

SC33-0034-2  
File No. S360/S370-29

**Program Product**

**OS  
PL/I Checkout Compiler:  
Messages**

**Program Numbers 5734-PL2  
5734-LM5**



Third Edition (May, 1975)

This is a reprint of SC33-0034-1, incorporating changes released in the following Technical Newsletters:

SN33-6106 (dated July, 1974)  
SN33-6128 (dated March, 1975)

This edition applies to Version 1, Release 3, Modification 0 of the OS PL/I Checkout Compiler, Program Product 5734-PL2 and to any subsequent version, release, and modification.

Information in this publication is subject to significant change. Any such changes will be published in new editions or technical newsletters. Before using the publication, consult the latest IBM System/370 Bibliography, GC20-0001, and the technical newsletters that amend the bibliography, to learn which edition and technical newsletters are applicable and current.

Requests for copies of IBM publications should be made to the IBM branch office that serves you.

Forms for readers' comments are provided at the back of the publication. If the forms have been removed, comments may be addressed to IBM Corporation, P.O. Box 50020, Programming Publishing, San Jose, California 95150. All comments and suggestions become the property of IBM.

© Copyright International Business Machines Corporation  
1971, 1972, 1973, 1974, 1975, 1976

This publication lists the preprocessing, translation, and interpretation messages from the OS PL/I Checkout Compiler. Most of these messages are accompanied by additional information intended to illustrate the detected condition and to point to the appropriate corrective action. Also included are the messages that may be produced by the PL/I prompter and also those produced by the compiler interface module when running under CMS.

Messages produced by the OS PL/I Checkout Compiler are listed in Part I. These result from conditions detected during preprocessing, translation, and interpretation of the PL/I program. The messages are listed in both their short and long forms (short form first). However, only one form will be printed on the compiler listing depending on whether the SMESAGE (short form) or LMESSAGE (long form) compiler option has been specified.

Messages produced by the PL/I prompter are listed in Part II. These messages can result from conditions detected during use of the compiler in conversational mode in a TSO environment.

Messages produced by the interface module when running under CMS are listed in Part III. These messages can result from conditions detected during use of the PLIC and PLICR commands under CMS.

## Associated Publications

### OS PL/I Checkout Compiler:

Specifications, Order No. GC33-0030

General Information, Order No. GC33-0003

Programmer's Guide, Order No. SC33-0007

Execution Logic, Order No. SC33-0032

Installation, Order No. SC33-0031

TSO User's Guide, Order No. SC33-0033

CMS User's Guide, Order No. SC33-0047

### OS PL/I Checkout and Optimizing Compilers:

Keywords, Order No. SX33-6002

Terminal Commands and Compiler Options, Order No. SX33-6005

Language Reference Manual, Order No. GC33-0009

### IBM Virtual Machine Facility/370:

Conversational Monitor System (CMS) Program Logic,  
Order No. SY20-0881

Command Language User's Guide, Order No. GC20-1804

## Availability of Publications

The availability of a publication is indicated by its use key, the first letter in the order number. The use keys are:

- G - General: available to users of IBM systems, products, and services without charge, in quantities to meet their normal requirements; can also be purchased by anyone through IBM branch offices.
- S - Sell: can be purchased by anyone through IBM branch offices.

# Contents

<b>PART I: PL/I CHECKOUT COMPILER(IEN)</b>		<b>PART II: PL/I PROMPTER(IKJ) MESSAGES</b>	<b>243</b>
<b>MESSAGES</b> . . . . .	<b>1</b>	<b>Format of PL/I Prompter Messages</b> . .	<b>243</b>
<b>Format of Preprocessing and</b>		<b>Symbols in Messages</b> . . . . .	<b>243</b>
<b>Translation Messages</b> . . . . .	<b>1</b>	<b>Before Calling IBM...</b> . . . . .	<b>244</b>
<b>Symbols in Messages</b> . . . . .	<b>2</b>		
<b>Format of Messages Produced During</b>			
<b>Interpretation</b> . . . . .	<b>3</b>		
<b>Before Calling IBM ...</b> . . . . .	<b>5</b>		
<b>Preprocessing or Translation</b>		<b>PART III: PL/I CMS (DMS) MESSAGES</b> . .	<b>255</b>
<b>Errors</b> . . . . .	<b>5</b>	<b>Format of PL/I CMS Messages</b> . . . . .	<b>255</b>
<b>Interpretation Errors</b> . . . . .	<b>6</b>	<b>Symbols in Messages</b> . . . . .	<b>255</b>
<b>UNNUMBERED MESSAGES</b> . . . . .	<b>239</b>	<b>Before Calling IBM...</b> . . . . .	<b>256</b>
		<b>Text of Messages</b> . . . . .	<b>256</b>

# Part I: PL/I Checkout Compiler(IEN) Messages

PL/I Checkout Compiler messages include preprocessor messages, translation messages, and interpretation messages.

- Preprocessor messages (numbers 2000 through 2999) are printed after any listed output from the preprocessor, and, if translation follows immediately, before any listed output from the translation.
- Translation messages (numbers 0000 through 0999, and 4000 through 4499) are printed as a group following the source program and any other listings produced by the compiler. A further group of messages (numbers 4500 through 4999) apply only to translation messages produced in response to subcommands.
- Interpretation messages (numbers 1000 through 1999, and 5000 through 5149) are printed as a group following the source program and any other listings produced by the compiler.
- A further group of messages (numbers 5150 through 5249) are produced only at the terminal in response to the HELP subcommand.

A short and a long form of each message is available, except for messages 5150 through 5183 which have no short form. Keywords are enclosed in single quotation marks.

The short form is intended for use in a conversational environment (because of the relatively slow printing speed of a terminal) and gives a brief indication of the reason for issuing the message.

The long form explains the reason in more detail and, for messages with severity E or S, the long form also describes the action taken by the compiler to deal with the error. The long form is intended, as far as possible, to be self-explanatory to programmers with a reasonable understanding of the relevant information in the language reference manual for the checkout compiler. In many cases, additional explanation is included after the message. A programmer response may also be specified, but if not, you should correct the error diagnosed. However, in a conversational environment, if the correct assumption has been made by the compiler you can continue the current run and defer making the actual correction to the source text until later.

To correct the error, you may need to refer to the language reference manual, the programmer's guide, or either the PSO manual or CMS manual for the checkout compiler.

## Format of Preprocessing and Translation Messages

Preprocessing and translation messages have the following format:

message-number [severity] [position] text

"message-number" is a number of the form IENnnnnI, where "IEN" indicates that the message is a checkout compiler message and "nnnn" is the number of the message. The final character "I" indicates that the message does not require responsive action.

"severity" is one of the characters I, W, E, S, and U indicating one of the five types of messages that can be produced. When printed on the compiler listing, the messages are grouped according to these severities. The severity is not given for messages relating to subcommands. The five types of message are:

- informatory(I) describes some aspect of the source program that might assist the programmer.
- warning(W) describes a possible program error. It does not imply a syntactical error in the source program. In addition to alerting the programmer, warning messages may assist him in making the program more efficient.
- error(E) describes an error that the compiler has corrected and for which the correction is likely to be successful.
- severe error(S) describes an error that the compiler has attempted to correct, but for which the correction may not be successful. Frequently, the correction consists of ignoring the incorrect section of the statement.
- unrecoverable error(U) describes an error that cannot be corrected by the compiler. Such errors, when discovered, normally force termination of the compilation. They are usually caused by a compiler, system, or setup error rather than by an error in the source program.

The FLAG compiler option can be used to suppress the listing of messages in the compiler listing.

"position" is one or more numbers indicating the position or positions of the error in the source program. The NUMBER and SEQUENCE compiler options determine whether this number refers to a PL/I statement or to a compiler generated line number. The position is not specified for messages relating to subcommands or to the list of compiler options.

"text" explains the reason for issuing the message, such as a description of an error that has been detected.

The compiler options mentioned above are fully described in the programmer's guide for this compiler.

## Symbols in Messages

Many of the messages reproduced in this part contain symbols indicating where the compiler inserts information when it prints the message.

The symbols used are:

- ccc A compiler-generated word or phrase, for example, 'DIMENSION ATTRIBUTE'.
- ddd An identifier used in the program, or a phrase such as 'INTERMEDIATE RESULT'.
- nnn A decimal integer constant or statement number. This type of symbol is not enclosed in quotation marks.
- ttt A section of text taken from the program.

The information represented by these symbols (except numeric values

and statement numbers) is enclosed in single quotation marks and can be up to 240 characters in length, although generally is much less. Sometimes a question mark is inserted to show where an item is missing or in error.

The texts contain only characters that are in the 48-character set. For example, character strings such as NE, AND, CAT, are used when the 60-character set equivalents (-=, &, and ||) have been used in the source program.

For many operations, the checkout compiler generates internal data items which it uses to store intermediate results. If one of these data items is involved in an error (for example, during conversion) this is shown by 'INTERMEDIATE RESULT' appearing in the message.

For conversational mode users, the second and subsequent lines of the text are not indented. The long form of a message, produced in response to the HELP subcommand, does not contain "severity" or "position". The location of a symbol is indicated by the word 'INSERT' and the symbol has the same meaning as the corresponding symbol in the short form of the message.

The HELP subcommand (or its abbreviated form H), which can be entered at any time, has no effect on the operation of any other subcommand. When the message states that any response other than 'YES' or 'Y' will terminate the subcommand, this does not apply to 'HELP' or 'H'.

## Format of Messages Produced During Interpretation

Interpretation messages have the following format:

```
message-number [count] text
[position]
```

Many of the messages listed here are produced only if the condition causing them is not handled by an on-unit in the PL/I program.

"message-number" is a number of the form IENnnnn[I|A], where "IEN" indicates that the message is a checkout compiler message and "nnnn" is the number of the message. The final character is either I (indicating that continuation of interpretation is not dependent on any response from you) or A (indicating that a response from you is required before interpretation can continue). Message numbers ending with A are produced only in a TSO environment.

"count" has the form nnnX where 'nnn' is the number of PL/I statements interpreted since execution of the program started. The count is not always specified for messages relating to subcommands or for the second message of two messages issued at the same point.

"text" explains the reason for issuing the message. Some of the symbols in this text may have the form 'variable VALUE=value', where "value" is the current value of the variable when the error is detected. In the list of messages this symbol is shown as "vvv". If the variable has no value, 'IS UNINITIALIZED' appears instead, and "UNKNOWN" appears if the operands that caused the error cannot be found in the program. For example, the SIZE condition can be raised in a conversion routine used by the compiler to convert a compiler-generated temporary variable used by another compiler routine.

"position" is provided for all messages except those relating to

subcommands or for the second message of the two messages issued at the same point. It indicates the position where the condition occurred that caused the message to be generated. It comprises one or more lines of information as follows:

The first line can have three forms:

1. A form that is used for conditions occurring during initialization of STATIC variables, as follows:

AT ENTRY POINT entry-name

2. A form that is used for those interrupts in COBOL, FORTRAN, or ASSEMBLER routines that are handled by the checkout compiler, as follows:

AT A NON-PL/I ROUTINE

3. A form that is used for all conditions other than those specified for forms 1 and 2 above, as follows:

```

AT statement [IN { procedure-name
                  PROCEDURE WITH ENTRY entry-name
                  'ABOVE'
                  'AT'
                  'ATTRIBUTE EVALUATION'
                  'BEGIN'
                  'IMMEDIATE'
                  'ON condition-name' } ]

```

"statement" is the number of the PL/I statement being executed when the condition occurred, or the PL/I statement about to be executed if the condition occurred between statements.

The test beginning "IN" is printed only if it does not repeat information given in a previous message. Its form depends on the context of the statement, as follows:

procedure-name	This form is printed if the statement is in a checkout-translated procedure entered by the primary entry point.
PROCEDURE WITH ENTRY entry-name	This form is printed if the statement is in a checkout-translated procedure entered by a secondary entry point, or in an optimizing-compiler procedure entered by any entry point.
'ABOVE'	This form is printed if the statement is in an at-unit established with an ABOVE subcommand.
'AT'	This form is printed if the statement is in an at-unit established with an AT subcommand.
'ATTRIBUTE EVALUATION'	This form is printed if the statement in error is a DECLARE statement. The error could not be detected during translation, but it has been discovered during attribute evaluation when executing another statement.
'BEGIN'	This form is printed if the statement is in a begin block.

'IMMEDIATE'	This form is printed if the statement is in a logical unit entered as immediate input.
'ON condition-name'	This form is printed if the statement is in an on-unit.

The second and subsequent lines of "position" describe further levels of context for the error. The lines have the form:

FROM context

where "context" indicates how control reached the position given in the previous line. "context" has the same possible forms as the text following AT in the first line described above, although in this case "statement" is the number of the PL/I statement from which control was passed.

The information specifying the levels of context is printed up to and including the main procedure or until the information repeats that given for a previous message.

"position" has several different forms and depends almost entirely on information taken from the program, therefore it is not included in the list of messages.

## Before Calling IBM...

Before calling IBM for programming support with regard to a preprocessing, translation, or interpretation error, take the following action.

### PREPROCESSING OR TRANSLATION ERRORS

Before calling IBM for programming support with regard to an error during preprocessing or translation:

1. Ensure that any errors diagnosed in other messages have been corrected and that the DUMP option is specified for the compiler.
2. Run the program again, ensuring that a data set is allocated for the ddname DDSNAP. This need not be done when using CMS. The CMS interface module does it automatically.

If the problem recurs, ensure that the following are available:

1. A listing of the compiler input.
2. The SYSPRINT and DDSNAP listings.
3. For batch users, the job stream (job control statements and compiler input) in machine readable form.

For TSO users, the listing produced at the terminal during the current session, the listing of the LOGON procedure, and the listing of any command procedure being used.

For CMS users, the listing produced at the terminal during the current session, a listing of any EXEC procedure which has been or is being executed since IPL time, and an indication of the

contents of the CMS disks being used.

4. Refer to Appendix C of the OS PL/I Checkout Compiler: Programmer's Guide, Order No. SC33-0007 for the requirements for problem determination and APAR submission.

If the %INCLUDE statement is used to include secondary text, and the error occurs during preprocessing (or syntax processing with in-line %INCLUDE) a tape dump of the source program library, or sufficient material to recreate the relevant members, is required. If the error occurs after preprocessing, the output produced by specifying the MDECK compiler option is a convenient way of providing the necessary complete machine-readable source.

#### INTERPRETATION ERRORS

Before calling IBM for programming support with regard to an error during interpretation:

1. Ensure that any errors diagnosed in other messages have been corrected and that the program includes an active ERROR on-unit that includes the statement:

```
CALL PLIDUMP ('TFHAB');
```

2. Run the program again, ensuring that a data set is allocated for the ddname PLIDUMP.

If the problem recurs, ensure that the following are available:

1. A listing of the compiler input.
2. The SYSPRINT and PLIDUMP listings.
3. Any data sets required by the program.
4. For batch users, the job stream (job control statements and data) in machine readable form.

For TSO users, the listing produced at the terminal during the current session, the listing of the LOGON procedure, and the listing of any command procedure being used.

For CMS users, the listing produced at the terminal during the current session, a listing of any EXEC procedure which has been or is being executed since IPL time, and an indication of the contents of the CMS disks being used.

The requirements for problem determination and APAR submission are given in the programmer's guide for this compiler.

IEN0000I U nnn COMPILER ERROR NO. nnn.

Or

IEN0000I nnnX COMPILER ERROR NO. nnn.

COMPILER ERROR NUMBER nnn.

Explanation: Processing has terminated because of an error in the checkout compiler. This can occur during translation or interpretation.

Programmer Response: Correct any errors diagnosed by other messages and rerun the program. If the compiler error persists, consult your system maintenance personnel or call IBM for programming support.

IEN0001I E nnn STRING ttt NOT A BIT STRING.

STRING CONSTANT ttt IS FOLLOWED BY THE LETTER 'B' BUT IS NOT A BIT STRING. IT IS ASSUMED TO BE A CHARACTER STRING.

Explanation: An apparent bit string constant contains characters other than 0 and 1. The B denoting the bit string is ignored.

IEN0002I E nnn CONSTANT ttt NOT A BINARY CONSTANT.

FIXED-POINT CONSTANT ttt IS FOLLOWED BY THE LETTER 'B' BUT IS NOT A BINARY CONSTANT. IT IS ASSUMED TO BE FIXED DECIMAL.

Explanation: An apparent fixed-point binary constant contains digits other than 0 and 1. The B denoting the binary constant is ignored.

IEN0003I E nnn EXPONENT MISSING IN ttt.

FLOATING-POINT CONSTANT ttt HAS NO EXPONENT. IT IS ASSUMED TO BE FIXED-POINT.

Explanation: No exponent follows the character E in a floating-point constant. The E is ignored.

IEN0004I E nnn ttt NOT A VALID REPETITION FACTOR.

REPETITION FACTOR ttt FOR STRING CONSTANT IS NOT A DECIMAL INTEGER IN THE RANGE 0 TO 32767. IT IS IGNORED.

Explanation: The repetition factor for a string constant must be an unsigned decimal integer constant in the range 1 through 32767.

IEN0005I S nnn INVALID CONSTANT IN ttt.

CONSTANT IN ttt IS NOT AN INTEGER. ONLY THE INTEGER PART IS USED.

Explanation: A constant with a fractional part cannot

be used in the position indicated by the message. The fractional part is ignored.

IEN0006I E nnn PRECISION OF nnn TOO LARGE.

COMPILER RESTRICTION. THE PRECISION OF THE FIXED-POINT CONSTANT nnn IS GREATER THAN 15 FOR DECIMAL CONSTANTS OR 31 FOR BINARY CONSTANTS. THE CONSTANT IS TRUNCATED.

Explanation: A fixed-point decimal constant must not exceed 15 digits. A fixed-point binary constant must not exceed 31 digits.

IEN0007I S nnn STRING CONSTANT ttt TOO LONG.

COMPILER RESTRICTION. STRING CONSTANT ttt HAS MORE THAN 32,767 CHARACTERS. IT IS TRUNCATED ON THE RIGHT.

Explanation: A string constant, with all repetition factors applied, must not exceed 32767 characters.

IEN0008I S nnn CONSTANT MISSING IN ttt.

CONSTANT MISSING IN ttt. THE CONSTANT 1 IS ASSUMED.

IEN0009I E nnn PRECISION OF EXPONENT OF nnn TOO LARGE.

COMPILER RESTRICTION. THE PRECISION OF THE EXPONENT OF THE FLOATING-POINT CONSTANT nnn IS GREATER THAN 2 FOR DECIMAL CONSTANTS OR 3 FOR BINARY CONSTANTS. THE EXPONENT IS TRUNCATED.

Explanation: The exponent of a floating-point decimal constant must not exceed 2 digits. The exponent of a floating-point binary constant must not exceed 3 digits.

IEN0010I E nnn FLOATING-POINT CONSTANT ttt NOT BINARY.

FLOATING-POINT CONSTANT ttt IS FOLLOWED BY THE LETTER 'B' BUT HAS A MANTISSA WHICH IS NOT A BINARY FIXED-POINT CONSTANT. IT IS ASSUMED TO BE DECIMAL FLOATING-POINT.

Explanation: The mantissa of an apparent floating-point binary constant contains digits other than 0 and 1. The B denoting the binary constant is ignored.

IEN0011I S nnn ttt INVALID IN ttt.

ttt IS INVALID IN THE CONTEXT OF ttt AND IS IGNORED.

IEN0012I W nnn NO 'MAIN' OPTION.

'OPTIONS(MAIN)' NOT SPECIFIED FOR THE EXTERNAL PROCEDURE.

Explanation: If the procedure is a subroutine or

function procedure, it must be link-edited with a main procedure before execution or link-edited alone, to be fetched subsequently by a main procedure.

IEN0006I E nnn PRECISION OF nnn TOO LARGE.

COMPILER RESTRICTION. THE PRECISION OF THE FIXED-POINT CONSTANT nnn IS GREATER THAN 15 FOR DECIMAL CONSTANTS OR 31 FOR BINARY CONSTANTS. THE CONSTANT IS TRUNCATED.

Explanation: A fixed-point decimal constant must not exceed 15 digits. A fixed-point binary constant must not exceed 31 digits.

IEN0007I S nnn STRING CONSTANT ttt TOO LONG.

COMPILER RESTRICTION. STRING CONSTANT ttt HAS MORE THAN 32,767 CHARACTERS. IT IS TRUNCATED ON THE RIGHT.

Explanation: A string constant, with all repetition factors applied, must not exceed 32767 characters.

IEN0008I S nnn CONSTIANT MISSING IN ttt.

CONSTANT MISSING IN ttt. THE CONSTANT 1 IS ASSUMED.

IEN0009I E nnn PRECISION OF EXPONENT OF nnn TOO LARGE.

COMPILER RESTRICTION. THE PRECISION OF THE EXPONENT OF THE FLOATING-POINT CONSTANT nnn IS GREATER THAN 2 FOR DECIMAL CONSTANTS OR 3 FOR BINARY CONSTANTS. THE EXPONENT IS TRUNCATED.

Explanation: The exponent of a floating-point decimal constant must not exceed 2 digits. The exponent of a floating-point binary constant must not exceed 3 digits.

IEN0010I E nnn FLOATING-POINT CONSTANT ttt NOT BINARY.

FLOATING-POINT CONSTANT ttt IS FOLLOWED BY THE LETTER 'B' BUT HAS A MANTISSA WHICH IS NOT A BINARY FIXED-POINT CONSTANT. IT IS ASSUMED TO BE DECIMAL FLOATING-POINT.

Explanation: The mantissa of an apparent floating-point binary constant contains digits other than 0 and 1. The B denoting the binary constant is ignored.

IEN0011I S nnn ttt INVALID IN ttt.

ttt IS INVALID IN THE CONTEXT OF ttt AND IS IGNORED.

IEN0012I W nnn NO 'MAIN' OPTION.

'OPTIONS(MAIN)' NOT SPECIFIED FOR THE EXTERNAL PROCEDURE.

Explanation: If the procedure is a subroutine or function procedure, it must be link-edited with a main procedure before execution or link-edited alone, to be fetched subsequently by a main procedure.

If the procedure is a main procedure and it is to be interpreted in the same invocation of the compiler, no action is required; if it is to be interpreted in a later invocation of the compiler, it must be retranslated with the MAIN option, or it will fail at execution time.

IEN0013I E nnn ttt NOT FORMAT ITEM.

ttt IS NOT A VALID FORMAT ITEM. IT IS REPLACED BY 'A(80)'.

Explanation: The valid format items for an edit-directed stream I/O statement are: A, B, C, E, F, P, R, X, COLUMN, COL, LINE, PAGE, and SKIP.

IEN0014I S nnn ttt INVALID IN ttt.

ttt IN ttt IS NOT A RECOGNIZABLE STATEMENT, AND IS IGNORED.

Explanation: A statement or subcommand must begin with a letter or a digit. This statement or subcommand begins with a special character.

IEN0015I E nnn ttt NOT AN ATTRIBUTE.

ttt IS NOT A VALID ATTRIBUTE, AND IS IGNORED.

Explanation: The name specified is used in a context where only a PL/I attribute keyword can be used.

IEN0016I E nnn ttt NOT AN OPTION.

ttt IS NOT A VALID OPTION, AND IS IGNORED.

Explanation: The name specified is used in a context where only a PL/I option keyword can be used.

IEN0017I S nnn ttt NOT A STATEMENT.

ttt IS NOT A PL/I STATEMENT KEYWORD. EXECUTION OF THIS STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

Explanation: The name specified is used in a context where only a PL/I statement keyword can be used.

IEN0018I E nnn COMMA MISSING IN ttt.

COMMA MISSING IN ttt. A COMMA IS ASSUMED.

Explanation: A comma should be used as a delimiter in the position marked by a question mark in the insert.

IEN0019I E nnn RIGHT PARENTHESIS MISSING IN ttt.

RIGHT PARENTHESIS MISSING IN ttt. A RIGHT PARENTHESIS IS ASSUMED.

Explanation: A right parenthesis is missing in this statement. One has been assumed in the position marked by a question mark in the insert.

IEN0020I E nnn LEFT PARENTHESIS MISSING IN ttt.

LEFT PARENTHESIS MISSING IN ttt. A LEFT PARENTHESIS IS ASSUMED.

Explanation: A left parenthesis is missing in this statement. One has been assumed in the position marked by a question mark in the insert.

IEN0021I E nnn SEMICOLON MISSING IN ttt.

SEMICOLON MISSING IN ttt. A SEMICOLON IS ASSUMED.

Explanation: A semicolon has been assumed in the position marked by the question mark in the text specified in the message.

IEN0022I W nnn 'FILE(SYSIN)' ASSUMED.

NO 'FILE' OR 'STRING' OPTION SPECIFIED FOR 'GET' STATEMENT. 'FILE(SYSIN)' ASSUMED.

Explanation: The standard file name SYSIN is assumed by default for stream input files. This message is not produced during the translation of statements in immediate PL/I or in AT or ABOVE units, but the default is still applied if necessary.

Programmer Response: Check that SYSIN is the correct file name.

IEN0023I W nnn 'FILE(SYSPRINT)' ASSUMED.

NO 'FILE' OR 'STRING' OPTION SPECIFIED FOR 'PUT' STATEMENT. 'FILE(SYSPRINT)' ASSUMED.

Explanation: The standard file name SYSPRINT is assumed by default for stream output files. This message is not produced during translation of statements in immediate PL/I or in AT or ABOVE units, but the default is still applied if necessary.

Programmer Response: Check that SYSPRINT is the correct file name.

IEN0024I W nnn LETTER, OR CONSTANT, IMMEDIATELY FOLLOWS ttt.

A LETTER, OR ANOTHER CONSTANT, IMMEDIATELY FOLLOWS THE CONSTANT ttt. AN INTERVENING BLANK IS ASSUMED.

IEN0025I E nnn UNMATCHED RIGHT PARENTHESIS IN ttt.

RIGHT PARENTHESIS IN ttt HAS NO MATCHING LEFT PARENTHESIS. IT IS IGNORED.

IEN0026I S nnn LABEL IGNORED.

COMPILER RESTRICTION: NEW LABELS MAY NOT BE INTRODUCED IN IMMEDIATE MODE. THE LABEL IS IGNORED.

IEN0027I S nnn PREFIX IGNORED.

COMPILER RESTRICTION. CONDITION PREFIXES MAY NOT BE USED IN IMMEDIATE MODE. THE PREFIX LIST IS IGNORED.

IEN0028I E nnn ASSUMED IN ttt.

STATEMENT NUMBER INVALID. nnn ASSUMED IN ttt.

IEN0031I W nnn STATEMENT MAY BE INACCESSIBLE.

AN UNLABELLED STATEMENT FOLLOWS A 'GO TO', 'RETURN', 'EXIT', 'STOP', OR 'LEAVE' STATEMENT AND MAY BE INACCESSIBLE.

Explanation: The referenced statement is positioned in such a way that it can be executed only by specifying its statement number in a GOTO statement.

IEN0032I W nnn NO EXECUTABLE STATEMENTS IN BLOCK AT ttt.

THE BLOCK BEGINNING IN STATEMENT ttt DOES NOT CONTAIN ANY EXECUTABLE STATEMENTS.

IEN0035I S nnn ddd ALREADY USED IN STATEMENT nnn.

ddd ALREADY USED WITHIN SAME SCOPE IN STATEMENT nnn. THE SECOND USE IS IGNORED.

Explanation: A label prefix is implicitly declared by its position. Therefore it may be used as a prefix only once within the same scope in the program.

IEN0036I W nnn NO EXECUTABLE STATEMENTS.

THERE ARE NO EXECUTABLE STATEMENTS IN THIS PROGRAM.

Explanation: The program contains only non-executable statements, such as BEGIN, CLOSE, DECLARE, DEFAULT, DO, END, ENTRY, FORMAT, ON, OPEN, and PROCEDURE.

IEN0037I S nnn ddd NOT A VALID 'GOTO' LABEL.

ddd IS NOT A VALID LABEL EXPRESSION FOR 'GOTO' STATEMENT. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0038I S nnn ttt NOT A VALID 'GOTO' LABEL.

LABEL EXPRESSION ttt CAN BE A CONSTANT ONLY IN IMMEDIATE MODE OR IN AT/ABOVE UNITS. EXECUTION OF THIS

STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

Explanation: A statement number must not be specified in a GOTO statement in a PL/I program that is processed in a batch environment.

IEN0039I E nnn ddd DUPLICATED IN ttt.

KEYWORD ddd APPEARS MORE THAN ONCE IN THE SAME 'DO' SPECIFICATION IN ttt. THE FIRST OCCURRENCE IS USED.

IEN0040I S nnn 'THEN' NOT IN 'IF' STATEMENT.

'THEN' CLAUSE IS NOT IN AN 'IF' STATEMENT. IT IS IGNORED.

IEN0041I E nnn SUBSCRIPTED LABEL ON ddd.

COMPILER RESTRICTION. SUBSCRIPTED LABEL IS INVALID ON ddd STATEMENT. THE LABEL IS IGNORED.

IEN0042I E nnn LABEL MISSING, ccc ASSUMED.

LABEL MISSING ON 'PROCEDURE', 'ENTRY' OR 'FORMAT' STATEMENT. IDENTIFIER ccc ASSUMED.

Explanation: A compiler-generated label has been assumed for the unlabeled statement so that processing can continue.

IEN0044I E nnn NO CONDITION PREFIXES IN ttt.

NO CONDITION PREFIXES SPECIFIED IN PREFIX LIST IN ttt. THE PREFIX LIST IS IGNORED.

IEN0045I E nnn NO NAMES IN 'CHECK' OR 'NOCHECK'.

A 'CHECK' OR 'NOCHECK' HAS A NULL NAME-LIST. IT IS ASSUMED TO APPLY TO ALL ENTRY CONSTANTS, LABEL CONSTANTS, AND UNSUBSCRIPTED NON-LOCATOR-QUALIFIED VARIABLES IN THE BLOCK.

IEN0046I S nnn ARGUMENT IN ttt IS INVALID.

AN ARGUMENT TO 'CHECK' OR 'NOCHECK' IN ttt IS NOT AN UNSUBSCRIPTED, NON-LOCATOR-QUALIFIED IDENTIFIER. IT HAS BEEN IGNORED.

Explanation: A name specified for the CHECK or NOCHECK condition must be an entry or label constant, or an unsubscripted, non-locator-qualified variable.

IEN0048I W nnn SEMICOLON OR '/'\* IN COMMENT.

SEMICOLON OR '/'\* APPEARS WITHIN A COMMENT. A COMMENT DELIMITER MAY BE MISSING.

Explanation: A semicolon, or the comment-starting sequence /\*, is valid within a comment but is sometimes an indication that a comment closing sequence \*/ has been omitted.

Programmer Response: Check for matching comment delimiters in the source program.

IEN0049I S nnn INTEGER IN ISUB VARIABLE ddd OUT OF RANGE.

COMPILER RESTRICTION. INTEGER IN ISUB VARIABLE ddd IS NOT IN THE RANGE 1 to 15. THE VALUE 1 IS ASSUMED.

IEN0050I S nnn ddd STATEMENT NOT ALLOWED.

ttt IS NOT PERMITTED IN SECONDARY TRANSLATION. EXECUTION OF THIS STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

Explanation: The statements that cannot be entered for a secondary translation are DECLARE, DEFAULT, ENTRY, FORMAT, ON, and PROCEDURE.

IEN0051I S nnn LOGICAL END OF PROGRAM IGNORED.

MULTIPLE CLOSURE OF BLOCKS BY 'END' STATEMENT CAUSES LOGICAL END OF PROGRAM TO OCCUR BEFORE END OF FILE. ONLY THE LAST OPEN BLOCK IS CLOSED.

Explanation: An END statement specifying the name of the external procedure represents the syntactic end of the procedure. However, as further input appears before the next PROCESS or DATA compiler control statement or the end-of-file, the label on the END statement is ignored.

IEN0052I E nnn COLON USED AS DIMENSION BOUND DELIMITER IN ttt.

COLON USED AS DELIMITER BETWEEN DIMENSION BOUNDS IN ttt. A COMMA IS ASSUMED INSTEAD.

Explanation: A comma has been assumed in place of the colon in the position marked by a question mark in the text specified.

IEN0053I E nnn ASTERISK INVALID IN ARRAY DIMENSION IN ttt.

AN ASTERISK IS SPECIFIED FOR THE UPPER BOUND OF AN ARRAY DIMENSION IN ttt. ASTERISK IGNORED.

Explanation: An asterisk in a dimension attribute indicates that both bounds of a dimension are specified elsewhere; it cannot be used for only one bound. In

this case, the asterisk appears as the upper bound in a dimension, and is ignored. Therefore, the lower bound of the dimension will be 1, and the upper bound will be the value of the bound immediately preceding the asterisk. If the asterisk had appeared as the lower bound in a dimension, message number IEN0052I would have been produced.

IEN0054I E nnn    ASTERISK IN ttt NOT SOLE ARGUMENT IN 'RANGE'  
SPECIFICATION.

ASTERISK IN ttt IS NOT THE ONLY ARGUMENT IN RANGE  
SPECIFICATION. IT IS IGNORED.

Explanation: An asterisk in a RANGE option indicates  
that the default specification applies to all  
identifiers in the scope of the DEFAULT statement. It  
is invalid to specify further arguments.

IEN0055I E nnn    COLON AS DELIMITER IN ttt IN RANGE SPECIFICATION.

COLON IN TEXT ttt USED AS DELIMITER BETWEEN RANGE  
SPECIFICATIONS. COMMA USED INSTEAD.

Explanation: A colon has been used invalidly in a  
RANGE option either because one of the items it  
separates is not a single alphabetic character, or  
because the item preceding the colon is already part of  
a previous pair of range identifiers.

IEN0056I E nnn    ddd IN ttt SHOULD NOT HAVE ARGUMENT.

ddd ATTRIBUTE IN ttt SHOULD NOT HAVE AN ARGUMENT. THE  
ARGUMENT IS IGNORED.

IEN0057I E nnn    ddd IN ttt NEEDS ARGUMENT.

ddd ATTRIBUTE IN ttt SHOULD HAVE AN ARGUMENT. THE  
ATTRIBUTE IS IGNORED.

IEN0058I E nnn    INVALID LEVEL NUMBER IN ttt.

LEVEL NUMBER IN ttt IS NOT A DECIMAL INTEGER CONSTANT.  
INTEGER PART IS ASSUMED.

IEN0059I S nnn    SCALE FACTOR IN ttt OUT OF RANGE.

SCALE FACTOR IN ttt IS NOT IN THE RANGE -128 TO +127.  
THE VALUE OF THE NEARER LIMIT IS ASSUMED.

IEN0060I E nnn    CONSECUTIVE LEVEL NUMBERS IN ttt.

STRUCTURE MEMBER IN ttt HAS CONSECUTIVE LEVEL NUMBERS.  
FIRST LEVEL NUMBER ASSUMED.

IEN0061I S        'END' STATEMENT ASSUMED AT ttt.

INSUFFICIENT 'END' STATEMENTS FOUND BEFORE END OF FILE, 'ELSE', 'WHEN', OR 'OTHERWISE'. ONE IS ASSUMED AT ttt.

Explanation: End of file is found on SYSCIN (or SYSIN), before all blocks or DO groups are closed by END statements. An ELSE statement is found before the corresponding THEN clause has been closed by an END statement.

IEN0062I E nnn ddd ASSUMED TO BE 'RETURNS' SPECIFICATION.

ddd IS ASSUMED TO BE PART OF A 'RETURNS' SPECIFICATION. THE KEYWORD 'RETURNS' IS ASSUMED.

Explanation: The attribute specified is not valid in a PROCEDURE or ENTRY statement. The attribute is assumed to be enclosed within a RETURNS attribute. This specifies the attributes of the value returned by the procedure.

IEN0063I E nnn CONDITION PREFIX ON ddd.

ddd STATEMENT HAS A CONDITION PREFIX. THE PREFIX IS ASSUMED TO APPLY TO A NULL STATEMENT IMMEDIATELY PRECEDING THIS ONE.

Explanation: A condition prefix cannot be used on a DECLARE, DEFAULT, or ENTRY statement. The compiler has applied the condition to a null statement that is assumed immediately preceding the statement specified.

IEN0064I S nnn 'ENTRY' OR 'PROCEDURE' AS 'THEN', 'ELSE', 'WHEN', OR 'OTHERWISE' UNIT.

'ENTRY' OR 'PROCEDURE' STATEMENT APPEARS AS THE FIRST STATEMENT IN A 'THEN', 'ELSE', 'WHEN', OR 'OTHERWISE' UNIT. IT IS ASSUMED TO BE A 'BEGIN' STATEMENT INSTEAD.

IEN0065I E nnn INVALID ITERATION FACTOR IN ttt.

ITERATION FACTOR IN FORMAT LIST ttt IS NOT A DECIMAL INTEGER. THE REPETITION FACTOR IS TREATED AS AN EXPRESSION.

Explanation: An iteration factor in a format list must be either an unsigned decimal integer constant or an expression enclosed in parentheses. In this case, the iteration factor is assumed to be an expression with the parentheses missing. It will be evaluated and converted to an integer.

IEN0066I E nnn NO PARAMETERS IN ttt.

NULL PARAMETER LIST IN 'PROCEDURE' OR 'ENTRY' STATEMENT IN ttt. THE PARAMETER LIST IS IGNORED.

IEN0067I E nnn ddd NOT A 'DEFAULT' OPTION.

ddd IS NOT A 'DEFAULT' OPTION. IT IS ASSUMED TO BE

PART OF A 'RANGE' SPECIFICATION.

Explanation: The RANGE option is missing in this DEFAULT statement. Also, the statement contains the invalid identifier specified in the message. A RANGE option is assumed using the identifier as an argument.

IEN0068I E nnn 'THEN' MISSING IN ttt.

KEYWORD 'THEN' MISSING FOR 'IF' STATEMENT IN ttt. THE KEYWORD IS ASSUMED.

IEN0069I S nnn 'DO' MISSING IN ttt.

KEYWORD 'DO' MISSING IN REPETITIVE SPECIFICATION ttt. THE KEYWORD IS ASSUMED.

IEN0070I E nnn ddd ASSUMED FOR CONDITION FILE NAME.

NO FILE NAME IS SPECIFIED FOR 'ON' CONDITION. ddd IS ASSUMED.

Explanation: The file name SYSIN is assumed for the ENDFILE, KEY, NAME, PENDING, RECORD, TRANSMIT, and UNDEFINEDFILE conditions. The file name SYSPRINT is assumed for the ENDPAGE condition.

IEN0071I W nnn LABEL ON ddd.

ddd STATEMENT HAS A LABEL. THE LABEL IS ASSUMED TO BE PREFIXED TO NULL STATEMENT PRECEDING THIS ONE.

Explanation: A label prefix cannot be used on DECLARE or DEFAULT statements. The compiler has applied the label to a null statement that is assumed immediately preceding the statement specified.

IEN0072I E nnn 'PROCEDURE' STATEMENT ASSUMED.

THE FIRST STATEMENT IS NOT 'PROCEDURE'. A 'PROCEDURE' STATEMENT IS ASSUMED TO PRECEDE THE SOURCE.

Explanation: The PL/I input to the compiler must commence with a PROCEDURE statement. The following statement has been assumed:

@00001: PROC;

If the first statement has a label, this is used as the label of the PROCEDURE statement, and the label @00001 is not generated.

IEN0073I S nnn ddd STATEMENT INVALID IN 'THEN' OR 'ELSE' CLAUSE.

ddd STATEMENT IS NOT ALLOWED AS THE UNIT IN 'THEN' OR 'ELSE' CLAUSE. A SEMICOLON IS ASSUMED TO PRECEDE THE STATEMENT.

Explanation: The statements that must not be used

alone in a THEN or ELSE clause are DECLARE, DEFAULT,  
END, ENTRY, FORMAT, and PROCEDURE.

LEN0074I E nnn OPERAND MISSING IN ttt.

AN OPERAND IS MISSING IN THE EXPRESSION IN ttt. THE LAST OPERATOR IS IGNORED.

Explanation: The last operand is missing in the specified expression. The last operator has been ignored in an attempt to make the expression syntactically correct.

IEN0075I S nnn NAME MISSING. ccc ASSUMED AT ttt.

THE COMPILER HAS DETECTED A PLACE IN THE SOURCE PROGRAM THAT SHOULD CONTAIN AN IDENTIFIER, BUT DOES NOT. THE COMPILER HAS GENERATED THE NAME ccc AND INSERTED IT AT ttt.

Example:

```
DCL A,,B;          assumes: DCL A,@1,B;
DCL 1 *, 2 C;     assumes: DCL 1 @1, 2 C;
A = * B;          assumes: A = @1 * B;
```

IEN0076I E nnn COLON MISSING IN ttt.

COLON MISSING AFTER CONDITION PREFIX OR LABEL IN ttt. A COLON IS ASSUMED.

IEN0077I E nnn 'WHEN' MISSING IN ttt.

KEYWORD 'WHEN' MISSING IN 'GENERIC' SPECIFICATION IN ttt. THE KEYWORD IS ASSUMED.

Explanation: Each generic member in the GENERIC attribute must have the form:

entry-expression WHEN (descriptor-list)

IEN0078I E nnn ASSIGNMENT SYMBOL MISSING IN ttt.

ASSIGNMENT SYMBOL MISSING IN ttt. AN ASSIGNMENT SYMBOL IS ASSUMED.

Explanation: An equals-sign has been inserted in the position indicated by a question mark in the text specified in the message.

IEN0079I E nnn ddd ASSUMED TO BE 'FILE' OPTION IN ttt.

'FILE' KEYWORD MISSING. ddd IS ASSUMED TO BE THE 'FILE' OPTION IN ttt.

IEN0080I E nnn DUPLICATE PREFIX ddd.

CONDITION PREFIX ddd APPEARS MORE THAN ONCE IN CONDITION PREFIX LIST. THE OCCURRENCES AFTER THE FIRST ARE IGNORED.

IEN0081I E nnn 'REFER' INVALID IN ttt.  
 'REFER' OPTION IN ttt IS INVALID FOR ALLOCATE ITEMS.  
 IT IS IGNORED.

IEN0082I E nnn LEVEL NUMBER IN ttt OUT OF RANGE.  
 COMPILER RESTRICTION. LEVEL NUMBER IN ttt IS NOT IN  
 THE RANGE 1 TO 255. THE VALUE OF THE NEARER LIMIT IS  
 ASSUMED.

IEN0083I S nnn MORE THAN 64 PARAMETERS.  
 COMPILER RESTRICTION. THERE ARE MORE THAN 64 ITEMS IN  
 THE PARAMETER LIST. ONLY THE FIRST 64 ITEMS ARE USED.

IEN0084I E nnn DUPLICATE ddd IN PARAMETER LIST.  
 ddd APPEARS MORE THAN ONCE IN THE PARAMETER LIST. ONLY  
 THE FIRST OCCURRENCE IS USED.

IEN0085I E nnn PERIOD OR POINTER DOES NOT QUALIFY NAME IN ttt.  
 PERIOD OR POINTER IN ttt DOES NOT QUALIFY A NAME. IT  
 IS IGNORED.  
Explanation: The period (.) or pointer symbol (-> or  
 PT) must be followed by a name to complete a valid  
 qualification.

IEN0086I E nnn ddd INVALID IN ttt.  
 ddd OPTION IS INVALID IN THE CONTEXT OF ttt AND IS  
 IGNORED.

IEN0087I S nnn ddd INVALID IN ttt.  
 ddd FORMAT ITEM IN FORMAT LIST ttt IS INVALID IN A 'C'  
 FORMAT ITEM. IT IS REPLACED BY AN 'F' FORMAT ITEM.  
Explanation: Only F, E, and numeric picture format  
 items are valid within a complex format item.

IEN0088I E nnn LABEL SUBSCRIPT IN ttt OUT OF RANGE.  
 LABEL SUBSCRIPT IN ttt IS OUTSIDE THE RANGE -32,767 TO  
 +32,767. THE VALUE OF THE NEARER LIMIT IS ASSUMED.

IEN0089I S nnn LABEL ttt HAS MORE THAN 15 SUBSCRIPTS.  
 LABEL PREFIX ttt HAS MORE THAN 15  
 SUBSCRIPTS. SUBSEQUENT SUBSCRIPTS ARE IGNORED.

IEN0090I E nnn LABEL ddd IGNORED.  
 ddd IS NOT A LABEL ON A BLOCK THAT CAN BE CLOSED BY

THIS 'END' STATEMENT. IT IS IGNORED.

Explanation: The END statement specifies a label that is not known, or a label on a block that is not open.

IEN0091I S nnn LOGICAL END OF PROGRAM IGNORED.

LOGICAL END OF PROGRAM OCCURS BEFORE END OF FILE. THIS STATEMENT IS IGNORED.

Explanation: An END statement without an entry expression has attempted to close an external procedure, but further input follows before the next PROCESS or DATA control statement, or the end of the source input file.

IEN0092I E nnn ddd INVALID FOR INTERNAL PROCEDURE OR ENTRY.

ddd OPTION IS NOT PERMITTED FOR AN INTERNAL PROCEDURE OR ENTRY. IT IS IGNORED.

Explanation: The specified option can be used only in a PROCEDURE statement with the MAIN option.

IEN0093I E nnn 'ELSE' WITHOUT 'THEN' IN ttt.

'ELSE' CLAUSE IN ttt HAS NO MATCHING 'THEN' CLAUSE. THE 'ELSE' KEYWORD IS IGNORED.

IEN0094I E nnn ddd NOT A PREFIX.

ddd IS NOT A VALID CONDITION PREFIX. IT IS IGNORED.

IEN0095I S nnn INVALID 'RANGE' SPECIFICATION IN ttt.

'RANGE' SPECIFICATION IN ttt IS INVALID. IT IS IGNORED.

Explanation: A RANGE specification must have one of the following three forms:

letter:letter  
identifier  
\*

IEN0096I S nnn INVALID PRECISION IN ttt.

PRECISION IN ttt IS NOT A FIXED DECIMAL INTEGER. ONLY THE INTEGER PART IS USED.

IEN0097I W nnn 'COPY(SYSPRINT)' ASSUMED.

NO FILENAME IS SPECIFIED FOR THE 'COPY' OPTION. 'COPY(SYSPRINT)' IS ASSUMED.

Explanation: The standard file name SYSPRINT is assumed by default for the COPY option in a PUT statement.

Programmer Response: Check that SYSPRINT is the correct file name.

IEN0098I E nnn ddd ENABLED AND DISABLED.

ddd CONDITION IS BOTH ENABLED AND DISABLED FOR THIS STATEMENT. THE STATUS OF THIS CONDITION FOR THE CONTAINING BLOCK IS ASSUMED INSTEAD.

IEN0099I S nnn 'RETURN' STATEMENT INVALID.

IN AN ON-UNIT A 'RETURN' STATEMENT CAN APPEAR ONLY IN A PROCEDURE NESTED WITHIN THE ON-UNIT. EXECUTION OF THIS STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN0100I E nnn ON-UNIT LABELLED.

AN ON-UNIT SHOULD NOT HAVE A LABEL. THE LABEL IS IGNORED.

IEN0101I S nnn 'ENTRY' INVALID IN THIS CONTEXT.

AN 'ENTRY' STATEMENT CANNOT BE USED IN AN ON-UNIT, BEGIN BLOCK, OR ITERATIVE 'DO' GROUP. IT IS REPLACED BY A 'PROCEDURE'.

IEN0102I S nnn ddd STATEMENT INVALID AS ON-UNIT.

ddd STATEMENT CANNOT BE USED ALONE AS AN ON-UNIT. A 'BEGIN' STATEMENT IS ASSUMED INSTEAD.

IEN0103I E nnn ddd NOT A PL/I CONDITION.

ddd IS NOT THE NAME OF A PL/I CONDITION. IT IS ASSUMED TO BE THE NAME OF A USER-DEFINED CONDITION.

Explanation: The compiler assumes that the name specified is used in a CONDITION condition, that is:

CONDITION(name-in-error)

IEN0104I E nnn ddd IN ttt NOT A LETTER.

ddd IN 'RANGE' SPECIFICATION ttt IS NOT A SINGLE LETTER. ONLY THE INITIAL LETTER IS USED.

Explanation: Items separated by a colon in a RANGE option must be single alphabetic characters. All except the first letter of the specified item are ignored.

IEN0105I S nnn ttt IN ttt NOT A PARAMETER.

ttt IS NOT A VALID FORMAL PARAMETER IN THE PARAMETER LIST IN ttt. IT IS IGNORED.

Explanation: Parameters must be valid PL/I names. That is, they must not exceed 31 characters; they must not contain characters other than the 26 alphabetic characters, the 10 numeric characters, the 3 national characters, and the underscore; and they must begin with an alphabetic or national character.

- IEN0106I W nnn    CONDITION PREFIX FOLLOWS LABEL.  
A CONDITION PREFIX OCCURS AFTER A LABEL. IT IS ASSUMED TO PRECEDE THE LABEL.
- IEN0108I E nnn    LABEL OR PREFIX PRECEDES 'THEN'.  
LABEL OR CONDITION PREFIX PRECEDING 'THEN' KEYWORD IS ASSUMED TO APPLY TO 'THEN' CLAUSE.
- IEN0109I W nnn    LABEL OR PREFIX PRECEDES 'ELSE'.  
LABEL OR CONDITION PREFIX PRECEDING 'ELSE' KEYWORD IS ASSUMED TO APPLY TO 'ELSE' CLAUSE.
- IEN0110I S nnn    NO STATEMENTS.  
NO STATEMENTS IN THE PROGRAM. TRANSLATION IS TERMINATED.
- IEN0111I E nnn    PRECISION OF FLOAT CONSTANT nnn TOO LARGE.  
COMPILER RESTRICTION. THE PRECISION OF THE MANTISSA OF THE FLOATING POINT CONSTANT nnn IS GREATER THAN 33 FOR DECIMAL CONSTANTS OR 109 FOR BINARY CONSTANTS. THE MANTISSA IS TRUNCATED.
- IEN0112I S nnn    INVALID CONSTANT IN ttt.  
CONSTANT IN ttt IS NOT FIXED DECIMAL. THE VALUE 1 IS ASSUMED INSTEAD.  
Explanation: The constant specified must be a fixed-point decimal integer.
- IEN0113I S nnn    NO CONDITION IN ttt.  
NO CONDITION SPECIFIED IN 'ON', 'SIGNAL' OR 'REVERT' STATEMENT IN ttt. 'ERROR' CONDITION ASSUMED.
- IEN0114I E nnn    NULL REPETITION FACTOR IN PICTURE ttt.  
NULL REPETITION FACTOR IN PICTURE ttt. THE VALUE 1 IS ASSUMED.  
Explanation: The null repetition factor used in the picture specification is ignored, so the associated character is included only once.

IEN0115I S nnn SCALE FACTOR IN ttt NOT A DECIMAL INTEGER.  
 SCALE FACTOR IN ttt IS NOT A DECIMAL INTEGER. THE  
 INTEGER PART OF THE SPECIFICATION IS USED.

IEN0116I E nnn INCOMPLETE PICTURE ATTRIBUTE IN ttt.  
 'PICTURE' KEYWORD IN ttt SHOULD BE FOLLOWED BY A  
 PICTURE SPECIFICATION. THE KEYWORD IS IGNORED.  
Explanation: The format of a PICTURE attribute is:  
 PICTURE'picture-specification'

IEN0117I W nnn INCOMPLETE COMMENT AT END OF FILE.  
 END OF FILE OCCURS WITHIN A COMMENT. A COMMENT  
 DELIMITER IS ASSUMED.  
Explanation: A comment is still unfinished when a  
 PROCESS or DATA control statement is read, or the end  
 of the source input file is reached. The comment  
 closing sequence \*/ is assumed. If the comment is  
 positioned after the syntactic end of the program, the  
 omission will have no effect on the logic of the  
 program.

IEN0118I S nnn INCOMPLETE STATEMENT AT END OF FILE.  
 STATEMENT INCOMPLETE AT END OF FILE. A SEMICOLON IS  
 ASSUMED.  
Explanation: A statement is still unfinished when a  
 PROCESS or DATA control statement is read, or the end  
 of the source input file is reached. A semicolon to end  
 the statement is assumed.

IEN0119I E nnn INVALID SYMBOL IN PICTURE ttt.  
 INVALID SYMBOL IN CHARACTER PICTURE SPECIFICATION ttt.  
 THE SYMBOL IS IGNORED.  
Explanation: The invalid character is followed by a  
 question mark in the text specified in the message.

IEN0120I E nnn INVALID REPETITION FACTOR IN PICTURE ttt.  
 INVALID REPETITION FACTOR IN PICTURE SPECIFICATION ttt.  
 THE REPETITION FACTOR IS IGNRED.  
Explanation: A repetition factor in a picture  
 specification must be an unsigned decimal integer  
 constant, enclosed in parentheses. It must not exceed  
 15 digits and must not immediately follow another  
 repetition factor.

IEN0121I E nnn MISSING RIGHT PARENTHESIS IN PICTURE ttt.  
 RIGHT PARENTHESIS MISSING IN REPETITION FACTOR IN

PICTURE SPECIFICATION ttt. A RIGHT PARENTHESIS IS ASSUMED.

Explanation: A repetition factor in a picture specification must be an unsigned decimal integer constant, enclosed in parentheses.

IEN0122I S nnn INVALID USE OF 'LIKE' IN ttt.

INVALID USE OF 'LIKE' ATTRIBUTE IN ttt. THE ATTRIBUTE IS IGNORED.

Explanation: The LIKE attribute must not be used in a RETURNS attribute.

IEN0123I E nnn ttt INVALID IN ttt.

DECIMAL DIGIT CHARACTER ttt IS USED IN AN INVALID POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0124I E nnn ttt INVALID IN ttt.

SIGN CHARACTER ttt IS USED IN AN INVALID OR CONFLICTING POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0125I E nnn ttt INVALID IN ttt.

DEBIT OR CREDIT EDITING CHARACTER ttt IS USED IN AN INVALID OR CONFLICTING POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0126I E nnn ttt INVALID IN ttt.

ZERO SUPPRESSION CHARACTER ttt IS USED IN AN INVALID OR CONFLICTING POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0127I E nnn ttt INVALID IN ttt.

CURRENCY SIGN CHARACTER ttt IS USED IN AN INVALID POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0128I E nnn ttt INVALID IN ttt.

OVERPUNCH SIGN CHARACTER ttt IS USED IN AN INVALID OR CONFLICTING POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0129I E nnn ttt INVALID IN ttt.

INSERTION CHARACTER ttt IS USED IN AN INVALID POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0130I E nnn ttt INVALID IN ttt.

DECIMAL POINT CHARACTER ttt IS USED IN AN INVALID

POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0131I S nnn PICTURE CHARACTER IN ttt NOT IMPLEMENTED.

PICTURE CHARACTER IN ttt IS NOT IMPLEMENTED BY THIS COMPILER. THE CHARACTER IS IGNORED.

Explanation: Picture specification characters for sterling and binary items are not implemented by the checkout compiler.

IEN0132I E nnn MISSING LEFT PARENTHESIS IN SCALE FACTOR IN ttt.

LEFT PARENTHESIS MISSING IN SCALE FACTOR IN NUMERIC PICTURE ttt. A LEFT PARENTHESIS IS ASSUMED.

IEN0133I S nnn NO SCALE FACTOR IN ttt.

'F' CHARACTER IN PICTURE SPECIFICATION ttt SHOULD BE FOLLOWED BY A SCALING FACTOR. THE CHARACTER IS IGNORED.

IEN0134I E nnn ttt INVALID IN ttt.

SCALE FACTOR ttt IS USED IN AN INVALID OR CONFLICTING POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0135I E nnn ttt INVALID IN ttt.

EXPONENT SPECIFICATION ttt IS USED IN AN INVALID OR CONFLICTING POSITION IN NUMERIC PICTURE ttt. IT IS IGNORED.

IEN0136I S nnn NO DIGIT POSITIONS IN ttt.

NO DIGIT POSITIONS IN NUMERIC PICTURE IN ttt. ONE DIGIT POSITION IS ASSUMED.

Explanation: A picture specification that contains a character other than A, X, or an insertion character (therefore indicating it is numeric), must also contain at least one decimal digit character 9.

IEN0137I S nnn NUMERIC PICTURE EXCEEDS 256 CHARACTERS AT ttt.

COMPILER RESTRICTION. NUMERIC PICTURE HAS MORE THAN 255 CHARACTERS. ALL CHARACTERS AFTER ttt ARE IGNORED.

IEN0138I E nnn NO CHARACTER AFTER REPETITION FACTOR IN ttt.

NO CHARACTER AFTER REPETITION FACTOR IN PICTURE ttt. THE REPETITION FACTOR IS IGNORED.

IEN0139I E nnn PICTURE CHARACTER IN ttt CANNOT BE REPEATED.

PICTURE CHARACTER FOLLOWING REPETITION FACTOR IN PICTURE ttt MAY NOT BE REPEATED. THE REPETITION FACTOR

IS IGNORED.

Explanation: A repetition factor must not immediately precede the picture specification characters T, I, R, V, CR, DB, E, K, or F.

- IEN0140I S nnn EXPONENT FIELD IN NUMERIC PICTURE ttt TOO LARGE.  
COMPILER RESTRICTION. EXPONENT FIELD IN NUMERIC PICTURE ttt HAS MORE THAN TWO DIGIT POSITIONS. EXCESS DIGIT POSITIONS ON RIGHT ARE IGNORED.
- IEN0141I E nnn NO DIGIT POSITIONS IN EXPONENT FIELD IN PICTURE ttt.  
NO DIGIT POSITIONS IN EXPONENT FIELD IN NUMERIC PICTURE ttt. A '9' IS ASSUMED.
- IEN0142I W nnn INVALID CHARACTER IN PICTURE ttt.  
CHARACTER IN PICTURE ttt IS INVALID AND IS IGNORED.  
Explanation: The invalid character is followed by a question mark in the text specified in the message.
- IEN0143I S nnn NO VALID CHARACTERS IN PICTURE ttt.  
NO VALID CHARACTERS IN PICTURE ttt. PICTURE '9' IS ASSUMED INSTEAD.
- IEN0144I S nnn SCALE FACTOR IN PICTURE ttt OUT OF RANGE.  
SCALE FACTOR VALUE IN NUMERIC PICTURE SPECIFICATION ttt IS NOT IN THE RANGE -128 TO +127. THE VALUE OF THE NEARER LIMIT IS ASSUMED.
- IEN0145I E nnn INVALID CHARACTER.  
A CHARACTER NOT IN THE 60-CHARACTER SET APPEARS OUTSIDE A COMMENT OR A STRING CONSTANT. THE CHARACTER IS REPLACED BY A BLANK.
- IEN0146I E nnn IDENTIFIER SHORTENED TO ttt.  
IDENTIFIER IS LONGER THAN 31 CHARACTERS. IT IS SHORTENED TO 'ttt' (BY CONCATENATING THE FIRST 16 CHARACTERS WITH THE LAST 15).
- IEN0147I S nnn ttt ASSUMED IN ttt.  
NO 'RANGE' OPTION. ttt IS ASSUMED IN ttt.
- IEN0148I S nnn UNMATCHED RIGHT PARENTHESIS IN ttt.  
UNMATCHED RIGHT PARENTHESIS IN ttt IS PART OF AN INTERLEAVED SUBSCRIPT. THE SUBSCRIPT CANNOT BE IDENTIFIED AND THE PARENTHESIS IS IGNORED.

Explanation: The character sequence ")." outside a comment or string constant indicates the use of interleaved subscripts for an array of structures.

IEN0149I E nnn CONSTANT IN ttt NOT INTEGER.

CONSTANT IN ttt IS NOT A DECIMAL INTEGER BUT IS FOLLOWED BY 'SUB'. 'SUB' IS IGNORED.

IEN0150I S nnn ISUB NOT IN 'DEFINED' SPECIFICATION. CONSTANT ttt ASSUMED.

AN ISUB VARIABLE IS NOT PART OF A 'DEFINED' ATTRIBUTE SPECIFICATION. THE CONSTANT ttt IS ASSUMED.

Explanation: An isub variable must be used only in a DEFINED attribute. The characters SUB are ignored.

IEN0151I E nnn MULTIPLE DECLARATION ddd,nnn.

MULTIPLE DECLARATION. IDENTIFIER ddd PREVIOUSLY DECLARED IN STATEMENT nnn. THIS DECLARATION IGNORED.

IEN0152I S nnn FILE ddd HAS CONFLICTING ATTRIBUTES ddd AND ddd.

FILE ddd HAS THE ATTRIBUTE ddd WHICH CONFLICTS WITH THE ddd ATTRIBUTE AND IS IGNORED.

IEN0153I E nnn AMBIGUOUS REFERENCE TO ddd RESOLVED TO ddd.

AMBIGUOUS REFERENCE TO STRUCTURE ELEMENT ddd WHICH HAS SAME NAME AS AN ELEMENT IN ANOTHER STRUCTURE. THE NAME MUST BE QUALIFIED TO MAKE THE REFERENCE UNAMBIGUOUS. IT HAS BEEN RESOLVED TO ddd.

IEN0154I S nnn NO ddd IN BLOCK.

QUALIFIED NAME ddd NOT EXPLICITLY DECLARED WITHIN ANY CONTAINING BLOCK. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The normal rules for implicit declaration of variables does not apply to qualified names.

IEN0155I U nnn NOT ENOUGH MAIN STORAGE FOR PREPROCESSING.

NOT ENOUGH MAIN STORAGE AVAILABLE FOR PREPROCESSING. RECOMPILE WITH INCREASED VALUE FOR REGION SIZE OR 'SIZE' OPTION.

IEN0156I E nnn 'COMPLEX' CONFLICTS WITH 'CR' OR 'DB' FOR ttt.

ATTRIBUTE 'COMPLEX' CONFLICTS WITH 'CR' OR 'DB' SIGN CHARACTER IN 'PICTURE' SPECIFICATION FOR ttt. 'COMPLEX' IGNORED.

Explanation: A complex number cannot contain the CR and DB sign characters.

IEN0157I S nnn ddd NOT BASED.  
 ddd IS QUALIFIED BY A LOCATOR BUT IS NOT A BASED VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0158I S nnn INVALID COMPARISON OF ttt AND ttt.  
 OPERANDS ttt AND ttt MUST NOT BE USED IN A COMPARISON OPERATION OTHER THAN = OR NE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0159I S nnn UNQUALIFIED BASED VARIABLE ddd.  
 BASED VARIABLE ddd IS NOT QUALIFIED BY A LOCATOR. STATEMENT REPLACED BY 'SIGNAL ERROR'.  
Explanation: A reference to a based variable must be qualified by a locator variable. If the qualification is not made explicitly in the reference, then the locator variable associated with the based variable when it was declared will be used. In this case, a locator variable was specified neither in the reference, nor when the based variable was declared.

IEN0160I E nnn ddd WRONG NUMBER OF DIMENSIONS.  
 NUMBER OF DIMENSIONS IN ARRAY ddd DOES NOT MATCH NUMBER DECLARED. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0161I E nnn SUBSCRIPT nnn OUT OF RANGE, ddd.  
 SUBSCRIPT POSITION nnn IN ARRAY ddd IS OUTSIDE RANGE DECLARED. 'SUBSCRIPTRANGE' CONDITION WILL BE RAISED AT EXECUTION.

IEN0162I E nnn ddd HAS INCOMPATIBLE ATTRIBUTE ddd.  
 IDENTIFIER ddd HAS THE ddd ATTRIBUTE WHICH IS INCOMPATIBLE WITH THE OTHER ATTRIBUTES FOR THIS IDENTIFIER AND IS IGNORED.

IEN0163I E nnn FILE ATTRIBUTES (EXCEPT 'FILE') FOR ddd IGNORED.  
 'VARIABLE' ATTRIBUTE SPECIFIED OR IMPLIED FOR FILE ddd CONFLICTS WITH ALL FILE DESCRIPTION ATTRIBUTES (EXCEPT 'FILE'). CONFLICTING FILE DESCRIPTION ATTRIBUTES IGNORED.

IEN0164I E nnn NO LOCATOR ASSOCIATED WITH ddd.  
 BASED VARIABLE ddd IN 'ALLOCATE' OR 'LOCATE' IS NOT ASSOCIATED WITH A LOCATOR VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.  
Explanation: This is a special case of the error described in message number IEN0159I.

IEN0165I E nnn ddd IN ITERATIVE DO.

'GOTO ddd' CAUSES BRANCH INTO ITERATIVE DO GROUP.  
STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: A GOTO statement must not cause a branch  
into an iterative do-group.

IEN0166I E nnn ddd DECLARED WITH CONFLICTING ATTRIBUTES ddd,ddd.

DECLARATION OF ddd HAS CONFLICTING ATTRIBUTES ddd AND  
ddd. THE LATTER IS ASSUMED.

Explanation: There are two conflicting attributes in  
the DECLARE statement. For example, FIXED and FLOAT.

IEN0167I S nnn ddd HAS INVALID BOUND IN DIMENSION nnn. nnn ASSUMED.

STATIC ARRAY ddd HAS A BOUND IN DIMENSION NUMBER nnn  
THAT IS NOT SPECIFIED AS A DECIMAL INTEGER CONSTANT.  
BOUND REPLACED BY nnn.

IEN0168I E nnn ddd HAS PRECISION WITH nnn AND nnn.

DECLARATION OF ddd SPECIFIES A PRECISION WITH THE nnn  
ATTRIBUTE. THIS PRECISION OVERRIDES THE PRECISION WITH  
THE nnn ATTRIBUTE GIVEN EARLIER IN THE STATEMENT.

Explanation: Two precision attributes have been  
specified. The first is ignored.

IEN0169I S nnn INVALID EXTENT OF SIMPLE PARAMETER ddd.

EXTENT OF SIMPLE PARAMETER ddd SPECIFIED AS AN  
EXPRESSION, WHICH IS INVALID. EXPRESSION REPLACED BY AN  
ASTERISK.

IEN0170I S nnn 'ENTRY' FOR ddd CONTAINS ddd WITH INVALID EXTENT.

PARAMETER DESCRIPTOR LIST FOR ddd CONTAINS THE ddd  
ATTRIBUTE WITH AN EXTENT THAT IS NOT A DECIMAL INTEGER  
CONSTANT OR '\*'. '\*' ASSUMED.

IEN0171I E nnn ddd HAS INCOMPATIBLE ATTRIBUTES ddd,ddd.

DECLARATION OF ddd HAS INCOMPATIBLE ATTRIBUTES ddd AND  
ddd. THE LATTER IS ASSUMED.

Explanation: There are two incompatible attributes in  
the DECLARE statement. For example, AUTOMATIC and  
EXTERNAL.

IEN0172I E nnn ddd HAS INCOMPATIBLE ATTRIBUTE ddd. DEFAULT  
STATEMENT(S) nnn.

IDENTIFIER ddd HAS THE ddd ATTRIBUTE, WHICH IS  
INCOMPATIBLE WITH THE OTHER ATTRIBUTES SPECIFIED AND IS  
IGNORED. SOME OF THE OTHER ATTRIBUTES MAY HAVE COME

FROM DEFAULT STATEMENT(S) nnn.

Explanation: The specified attribute is incompatible with other attributes taken from the DECLARE statement or the specified DEFAULT statements, or assumed implicitly.

- IEN0173I E nnn WRCNG NUMBER OF SUBSCRIPTS FOR LABEL ddd.  
NUMBER OF SUBSCRIPTS SPECIFIED FOR LABEL PREFIX ddd DOES NOT MATCH NUMBER OF DIMENSIONS IN 'DCL' STATEMENT. LABEL PREFIX IGNORED.
- IEN0174I E nnn SUBSCRIPT nnn FOR ddd IS OUTSIDE BOUNDS.  
SUBSCRIPT SPECIFIED IN POSITION nnn FOR LABEL PREFIX ddd IS OUTSIDE THE DECLARED BOUNDS. LABEL PREFIX IGNORED.
- IEN0175I S nnn EXTENT OF STATIC VARIABLE ddd NOT A CONSTANT. nnn ASSUMED.  
EXTENT OF STATIC STRING OR STATIC AREA ddd NOT SPECIFIED AS A DECIMAL INTEGER CONSTANT. EXTENT REPLACED BY SYSTEM DEFAULT VALUE nnn.
- IEN0176I E nnn 'RETURNS' IN ddd HAS INCOMPATIBLE ATTRIBUTE ddd.  
RETURNS SPECIFICATION FOR IDENTIFIER ddd HAS THE ddd ATTRIBUTE, WHICH IS INCOMPATIBLE WITH THE OTHER ATTRIBUTES FOR THIS SPECIFICATION, AND IS IGNORED.
- IEN0177I S nnn FILE ddd HAS ddd IN 'OPEN' AND ddd IN 'DECLARE'.  
'OPEN' STATEMENT FOR FILE ddd HAS THE ddd ATTRIBUTE WHICH CONFLICTS WITH THE ddd ATTRIBUTE IN THE DECLARATION OF THE FILE AND IS IGNORED.
- IEN0178I E nnn ddd IN ddd IS NOT ddd.  
ddd IN ddd IS NOT ddd, STATEMENT REPLACED BY 'SIGNAL ERROR'.  
Explanation: The specified variable in the specified option must have the specified attribute.
- IEN0179I E nnn STRUCTURE ddd CANNOT BE ddd.  
STRUCTURE ddd IS DECLARED WITH DATA ATTRIBUTE ddd. THIS USAGE IS INVALID. THE ATTRIBUTE IS IGNORED.
- IEN0180I E nnn DESCRIPTOR FOR ddd CONTAINS STRUCTURE WITH ddd.  
ddd HAS AN ENTRY PARAMETER DESCRIPTOR WHICH CONTAINS A STRUCTURE WITH THE DATA ATTRIBUTE ddd. THIS USAGE IS INVALID. THE ATTRIBUTE IS IGNORED.

IEN0181I E nnn ddd NOT LEVEL-ONE BUT IS ddd.

ddd IS NOT A LEVEL-ONE IDENTIFIER BUT HAS THE ddd ATTRIBUTE WHICH IS IGNORED.

Explanation: An element of a structure must not have the specified attribute.

IEN0182I E nnn DESCRIPTOR FOR ddd HAS ddd ON NON LEVEL-ONE.

STRUCTURE IN ENTRY DESCRIPTOR FOR ddd CONTAINS A NON LEVEL-ONE ITEM WITH THE ddd ATTRIBUTE. ATTRIBUTE IGNORED.

Explanation: An element of a structure must not have the specified attribute.

IEN0183I E nnn ddd HAS INVALID ddd EXTENT ttt. nnn ASSUMED.

ddd HAS ddd ATTRIBUTE WITH INVALID EXTENT VALUE ttt. nnn IS ASSUMED.

Explanation: The AREA, BIT, CHARACTER, and POSITION attributes must not have a negative extent. Also, the POSITION attribute must not have a zero extent.

IEN0184I E nnn DUPLICATE ddd IN FACTORING.

ddd IS REPEATED AT DIFFERENT FACTORING DEPTHS. THE VALUE AT THE GREATER DEPTH IS ASSUMED.

Explanation: A structure level number or a dimension attribute has been repeated.

IEN0185I E nnn ddd INVALID IN 'DEFAULT' STATEMENT.

ddd ATTRIBUTE IS INVALID IN A 'DEFAULT' STATEMENT AND IS IGNORED.

IEN0186I E nnn QUALIFIED ddd IN 'DEFAULT' STATEMENT.

QUALIFIED FORM OF ddd ATTRIBUTE IS INVALID IN A 'DEFAULT' STATEMENT. UNQUALIFIED FORM ASSUMED.

Explanation: The specified attribute must not have an argument when included in this position in a DEFAULT statement. It may be possible to use the VALUE option to specify the argument.

IEN0187I E nnn ddd INVALID FOR 'VALUE'.

ddd ATTRIBUTE IS INVALID IN A 'VALUE' SPECIFICATION AND IS IGNORED.

Explanation: The VALUE option in a DEFAULT statement must contain only the AREA, BIT, or CHARACTER attributes, or a precision attribute with base and scale attributes.

IEN0188I E nnn BASE, SCALE OR PRECISION MISSING IN 'VALUE' SPECIFICATION.

BASE, SCALE OR PRECISION MISSING FROM 'VALUE' SPECIFICATION. SPECIFICATION IGNORED.

Explanation: If either a precision, base or scale attribute is specified in a VALUE option in a DEFAULT statement, then all three must be specified.

IEN0189I E nnn PREFIX INITIALIZATION OF ddd INVALID.

PREFIX INITIALIZATION INVALID. ddd IS NOT DECLARED AS LABEL, OR IS DECLARED AS STATIC, PARAMETER, OR DEFINED. INITIALIZATION IGNORED.

Explanation: A label or entry constant is implicitly declared and initialized by its context. However, in this case, the same name has already been declared with different attributes. Other attributes that can be declared for such an identifier are: LABEL, VARIABLE, CONTROLLED, AUTOMATIC, and BASED.

IEN0190I E nnn INITIALIZATION OF ddd INVALID (VALUE).

INITIALIZATION OF LABEL ddd IS INVALID BECAUSE AN IDENTIFIER WITH THIS NAME AND WITH INITIAL VALUES IS ALREADY KNOWN IN THIS BLOCK. INITIALIZATION IGNORED.

Explanation: A label constant is implicitly declared and initialized by its context. However, in this case, the same name has already been initialized with a different value in a DECLARE statement.

IEN0191I E nnn ddd ALREADY INITIALIZED IN nnn.

DUPLICATE INITIALIZATION OF LABEL ddd, PREVIOUSLY INITIALIZED IN STATEMENT nnn. INITIALIZATION IGNORED.

Explanation: A label prefix must not be used more than once within the same scope.

IEN0192I E nnn INVALID INITIALIZATION OF ddd.

INITIALIZATION OF LABEL ddd INVALID, BECAUSE INITIALIZATION AND DECLARATION ARE NOT IN THE SAME BLOCK. INITIALIZATION IGNORED.

Explanation: A label constant is implicitly declared and initialized by its context. Any explicit declaration must be in the block in which the label is used as a prefix.

IEN0193I E nnn ddd NOT BUILTIN FUNCTION, ENTRY OR ARRAY.

ddd IS FOLLOWED BY ARGUMENT OR SUBSCRIPT LIST BUT IS NOT A BUILTIN FUNCTION, AN ENTRY NAME OR AN ARRAY. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0194I E nnn ARGUMENT nnn IN ENTRY ddd CANNOT MATCH PARAMETER.  
 ARGUMENT nnn IN ENTRY ddd CANNOT BE CONVERTED TO ATTRIBUTES OF PARAMETER. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0195I E nnn SUBSCRIPT nnn IN ARRAY ddd NOT AN INTEGER.  
 SUBSCRIPT nnn IN ARRAY ddd CANNOT BE CONVERTED TO INTEGER. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0196I E nnn ARGUMENT nnn OF ddd HAS INVALID ATTRIBUTES.  
 ARGUMENT nnn OF BUILT-IN FUNCTION OR PSEUDO-VARIABLE ddd DOES NOT HAVE, OR CANNOT BE CONVERTED TO HAVE, THE ATTRIBUTES REQUIRED FOR INPUT TO THIS FUNCTION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0197I E nnn STATEMENT NUMBER nnn IS 'DCL', 'DFT' OR UNKNOWN.  
 STATEMENT NUMBER nnn DOES NOT MATCH THAT OF ANY STATEMENT IN THE CURRENT EXTERNAL PROCEDURE EXCEPT POSSIBLY A 'DECLARE' OR 'DEFAULT'. IF THE TARGET STATEMENT IS AN IMMEDIATE-MODE PL/I STATEMENT IT MAY HAVE BEEN DELETED BY ITS EXECUTION AS AN IMMEDIATE UNIT, OR DELETED BY USE OF THE 'OFF' SUBCOMMAND. STATEMENT REPLACED BY 'SIGNAL ERROR'.  
Explanation: The statement number specified in a GOTO<sup>c</sup> immediate mode statement must correspond to a statement within the procedure to be interpreted.

IEN0198I W EXTENDED PRECISION USED.  
 EXTENDED PRECISION VARIABLES OR CONSTANTS HAVE BEEN USED IN THIS PROGRAM. INFORMATORY MESSAGES SPECIFY THE ITEMS CONCERNED.  
Explanation: If binary floating-point items with a precision greater than 53, or decimal floating-point items with a precision greater than 16 are used in the program, the installation must have the extended precision feature.

IEN0199I S nnn STRUCTURE HAS ELEMENTS AT LOGICAL LEVEL GREATER THAN 15.  
 COMPILER RESTRICTION. A STRUCTURE CONTAINS ELEMENTS AT LOGICAL DEPTH GREATER THAN 15. LOGICAL LEVEL 15 ASSUMED.  
Explanation: Irrespective of the actual level numbers used, a structure must not contain more than 15 levels of structuring.

IEN0200I S nnn STRUCTURED PARAMETER DESCRIPTOR HAS LOGICAL LEVEL GREATER THAN 15.  
 COMPILER RESTRICTION. A STRUCTURED PARAMETER DESCRIPTOR

HAS AT LEAST ONE MEMBER AT A LOGICAL LEVEL GREATER THAN 15. LOGICAL LEVEL 15 ASSUMED.

Explanation: Irrespective of the actual level numbers used, a structure must not contain more than 15 levels of structuring.

IEN0201I E nnn ARGUMENT nnn IN ENTRY ddd DOES NOT MATCH 'CONTROLLED' PARAMETER.  
  
ARGUMENT nnn IN ENTRY ddd DOES NOT MATCH THE ASSOCIATED PARAMETER OR PARAMETER DESCRIPTOR, WHICH IS A LEVEL-ONE 'CONTROLLED' ITEM. STATEMENT REPLACED BY 'SIGNAL ERROR'

IEN0202I E nnn 'RETURNS' OR DESCRIPTOR FOR ddd HAS ddd.  
  
'ENTRY' ddd HAS A 'RETURNS' SPECIFICATION OR PARAMETER DESCRIPTOR THAT CONTAINS ddd ATTRIBUTE. ATTRIBUTE IS IGNORED.

Explanation: The specified attribute must not be used in a RETURNS attribute or a parameter descriptor list.

IEN0203I E nnn ddd HAS INVALID BASE.  
  
BASE FOR DEFINED VARIABLE ddd IS ITSELF 'DEFINED' OR IS 'BASED'. ERRORS MAY OCCUR AT EXECUTION TIME.

IEN0204I E nnn ddd HAS 'RETURNS (ENTRY)'.  
  
COMPILER RESTRICTION. 'RETURNS' SPECIFICATION FOR ddd INCLUDES AN 'ENTRY' ATTRIBUTE. ATTRIBUTE IGNORED, DEFAULT DATA ATTRIBUTES ASSUMED.

Explanation: This is a special case of the error described in message number IEN0202I.

IEN0205I E nnn NC EXTENT FOR ddd ATTRIBUTE IN 'VALUE'.  
  
ATTRIBUTE ddd APPEARS IN A 'VALUE' SPECIFICATION WITHOUT AN ASSOCIATED LENGTH OR SIZE. ATTRIBUTE IGNORED.  
  
Explanation: The VALUE option of the DEFAULT statement is used to specify string length or area size. The AREA, BIT, and CHARACTER keywords are required only to identify the value. If no value is specified, the keywords are redundant.

IEN0206I E nnn INVALID PRECISION IN 'VALUE'. nnn ASSUMED.  
  
A PRECISION IN A 'VALUE' SPECIFICATION EITHER IS ZERO OR EXCEEDS THE LIMIT ALLOWED BY THE COMPILER. PRECISION VALUE nnn ASSUMED.

IEN0207I E nnn PRECISION REPEATED IN 'VALUE'.  
  
A PRECISION IS SPECIFIED MORE THAN ONCE IN A 'VALUE'

SPECIFICATION. SECOND OCCURRENCE IGNORED.

IEN0208I E nnn 'FLOAT' WITH SCALE FACTOR IN 'VALUE'.  
'FLOAT' ATTRIBUTE WITH A SCALE FACTOR APPEARS IN A  
'VALUE' SPECIFICATION. SCALE FACTOR IGNORED.

IEN0209I E nnn ddd HAS INVALID EXTENT VALUE ttt. nnn ASSUMED.  
COMPILER RESTRICTION. THE ddd ATTRIBUTE HAS EXTENT  
VALUE ttt. MAXIMUM VALUE ALLOWED IS nnn AND THIS IS  
ASSUMED.

IEN0210I E nnn ddd HAS INVALID EXTENT ttt. nnn ASSUMED.  
THE ddd ATTRIBUTE HAS INVALID EXTENT VALUE ttt. nnn IS  
ASSUMED.

Explanation: The AREA, BIT, CHARACTER, and POSITION  
attributes must not have a negative extent. Also, the  
POSITION attribute must not have a zero extent.

IEN0211I S nnn ddd SELF-DEPENDENT VIA ddd.  
VARIABLE ddd DEPENDS UPON ITSELF FOR ITS DECLARATION.  
RESULTS ARE UNDEFINED. THE DEPENDENCY IS VIA ddd.

Explanation: Definition of the specified variable  
depends on one or more other variables which, in turn,  
are dependent on the specified variable.

Example:

```
DCL B CHAR(C), C INIT(D),  
      1 D1, 2 D, 2 D2(E),  
      E AREA(B);
```

IEN0212I E nnn ddd CONFLICTS WITH PREVIOUS ATTRIBUTE IN 'VALUE'.  
ddd ATTRIBUTE IN A 'VALUE' SPECIFICATION CONFLICTS WITH  
A PREVIOUS ATTRIBUTE IN THE SAME SPECIFICATION AND IS  
IGNORED.

IEN0213I E nnn DUPLICATE TYPE IN 'VALUE'.  
MORE THAN ONE LENGTH, SIZE OR PRECISION FOR THE SAME  
ITEM IN A 'VALUE' SPECIFICATION, ONLY THE FIRST IS  
USED.

IEN0214I W nnn 'VALUE' SPECIFICATIONS MERGED.  
MORE THAN ONE 'VALUE' SPECIFICATION IN 'DEFAULT'  
STATEMENT. THE SPECIFICATIONS ARE MERGED.  
Explanation: Only one VALUE option should appear for  
each RANGE option in the DEFAULT statement. The values  
specified in the two or more VALUE options are merged  
into one list.

IEN0215I E nnn QUALIFIED AND UNQUALIFIED FORMS OF ddd IN 'DEFAULT' SPECIFICATION.

QUALIFIED AND UNQUALIFIED FORMS OF ddd ATTRIBUTE APPEAR IN A 'DEFAULT' SPECIFICATION. QUALIFIED FORM ASSUMED.

Explanation: The specified attribute is used both with and without an argument. For example, OFFSET and OFFSET(P).

IEN0216I E nnn DUPLICATE ddd IN 'DEFAULT' SPECIFICATION.

ATTRIBUTE ddd APPEARS MORE THAN ONCE IN A 'DEFAULT' SPECIFICATION. ONLY FIRST OCCURRENCE IS USED.

IEN0217I E nnn CONFLICTING ddd AND ddd IN 'DEFAULT' SPECIFICATION.

CONFLICTING ATTRIBUTES ddd AND ddd OCCUR IN THE SAME 'DEFAULT' STATEMENT. FORMER ATTRIBUTE USED.

IEN0218I W nnn ddd MAY NEED AN ORGANIZATION WITH ddd.

FILE ddd HAS THE ddd ATTRIBUTE, BUT NO ORGANIZATION HAS BEEN SPECIFIED FOR IT. 'UNDEFINEDFILE' CONDITION WILL BE RAISED IF AN ATTEMPT IS MADE TO OPEN THE FILE, AND IT IS NOT A VSAM FILE.

Explanation: Files with the DIRECT or KEYED attributes require an INDEXED or REGIONAL data set organization to be specified in the ENVIRONMENT attribute, if the file itself is not a VSAM file.

IEN0219I W nnn RANGES OVERLAP.

RANGES IN A MULTIPLE RANGE SPECIFICATION OVERLAP AND ARE MERGED.

Explanation: Specifying overlapping ranges (for example, RANGE(A:C,B:G) is not invalid, but may indicate an error.

IEN0220I E nnn 'RANGE' LETTERS NOT IN ALPHABETICAL SEQUENCE.

IDENTIFIER INITIAL LETTERS IN 'RANGE' SPECIFICATION ARE NOT IN ALPHABETICAL SEQUENCE. LETTERS INTERCHANGED.

Explanation: Letters separated by a colon in a RANGE option must be in alphabetic order (for example, RANGE(M:P)).

IEN0221I E nnn REFERENCE ddd IN 'LIKE' IS AMBIGUOUS.

REFERENCE ddd IN 'LIKE' SPECIFICATION IS AMBIGUOUS. IF ONE OF THE NAMES REFERRED TO IS THE NAME OF A STRUCTURE, THIS NAME IS USED. OTHERWISE, THE NAME FIRST DECLARED IS USED.

Explanation: The variable specified in the LIKE attribute needs a qualifier to make it unambiguous.

IEN0222I S nnn FILE ddd HAS ddd OPTION CONFLICTING WITH ATTRIBUTE(S) ddd.

'UNDEFINEDFILE' CONDITION MAY BE RAISED IF AN ATTEMPT IS MADE TO OPEN FILE ddd BECAUSE THE ddd OPTION IN THE 'ENVIRONMENT' ATTRIBUTE CONFLICTS WITH THE FILE ATTRIBUTE(S) ddd.

IEN0223I S nnn ARRAY IN 'ENTRY' FOR ddd HAS UPPER BOUND LESS THAN LOWER BOUND IN DIMENSION nnn.

DIMENSION ATTRIBUTE IN PARAMETER DESCRIPTOR LIST FOR ENTRY ddd HAS AN UPPER BOUND THAT IS LESS THAN LOWER BOUND IN DIMENSION NUMBER nnn. BOUNDS TRANSPOSED.

IEN0224I W nnn OPTIMIZING COMPILER MIGHT NOT BE ABLE TO RESOLVE DECLARATION DEPENDENCIES.

THE PL/I OPTIMIZING COMPILER MIGHT NOT BE ABLE TO RESOLVE ONE OR MORE IDENTIFIERS IN THIS PROGRAM THAT HAVE BEEN DECLARED WITH A VARIABLE EXTENT OR 'INITIAL' VALUE THAT INCLUDES AN IDENTIFIER WHICH ALSO HAS A VARIABLE EXTENT OR 'INITIAL' VALUE.

Explanation: This restriction does not apply to the checkout compiler. If the program is to be subsequently compiled by the optimizing compiler, the declarations should be rewritten to eliminate the dependencies.

IEN0225I S nnn ARRAY IN 'ENTRY' FOR ddd HAS INVALID BOUND IN DIMENSION nnn. nnn ASSUMED.

COMPILER RESTRICTION. DIMENSION ATTRIBUTE IN PARAMETER DESCRIPTOR LIST FOR ENTRY ddd HAS A BOUND IN DIMENSION NUMBER nnn WITH A VALUE OUTSIDE THE RANGE -32768 TO 32767. nnn ASSUMED.

IEN0226I W nnn FACTORING DEPTH INVALID FOR OPTIMIZER.

A FACTORING DEPTH GREATER THAN 15 IS NOT SUPPORTED BY THE PL/I OPTIMIZING COMPILER.

Explanation: This restriction does not apply to the checkout compiler. If the program is to be subsequently compiled by the optimizing compiler, it should be rewritten to reduce the factoring to 15 levels or less.

IEN0227I E nnn 'RETURNS' OR 'ENTRY' FOR ddd HAS ddd EXTENT ttt. nnn ASSUMED.

'RETURNS' ATTRIBUTE OR PARAMETER DESCRIPTOR LIST FOR ddd CONTAINS ddd ATTRIBUTE WITH NEGATIVE EXTENT VALUE ttt. nnn IS ASSUMED.

IEN0228I E nnn LEVEL NUMBER IN GENERIC DESCRIPTOR.

COMPILER RESTRICTION. LEVEL NUMBER HAS BEEN SPECIFIED IN A GENERIC DESCRIPTOR. THE GENERIC MEMBER IS IGNORED.

IEN0229I S nnn   INVALID 'POSITION' VALUE FOR ddd.  
 VALUE OF 'POSITION' ATTRIBUTE IN ddd IS GREATER THAN  
 LENGTH OF BASE STRING. VALUE OF 1 ASSUMED.

IEN0230I S nnn   ddd INVALID IN ARRAY ASSIGNMENT.  
 USE OF STRUCTURE OR ARRAY OF STRUCTURES ddd IS INVALID  
 BECAUSE THE MASTER VARIABLE IS AN ARRAY BUT NOT AN  
 ARRAY OF STRUCTURES. STATEMENT REPLACED BY 'SIGNAL  
 ERROR'.

IEN0231I E nnn   ddd HAS NON-CONNECTED BASE.  
 BASE FOR DEFINED VARIABLE ddd IS NOT 'CCONNECTED'.  
 ERRORS MAY OCCUR AT EXECUTION TIME.  
Explanation: The compiler assumes that elements in a  
 structure or array used as a base variable are in  
 adjacent areas of main storage; if they are not, an  
 error may occur at execution time.

IEN0232I E nnn   ATTRIBUTES OF ddd AND ITS BASE DO NOT MATCH.  
 DEFINED VARIABLE ddd AND ITS BASE ARE NEITHER BOTH  
 'CHARACTER' STRINGS NOR BOTH 'BIT' STRINGS. ERRORS MAY  
 OCCUR AT EXECUTION TIME.

IEN0233I E nnn   ddd OR ITS BASE CONTAINS 'ALIGNED' DATA.  
 STRING OVERLAY DEFINED VARIABLE ddd, OR ITS BASE,  
 CONTAIN 'ALIGNED' DATA. AN ERROR MAY OCCUR AT EXECUTION  
 TIME.

IEN0234I S nnn   INVALID ARGUMENT '\*' FOR ddd.  
 '\*' IS AN INVALID ARGUMENT FOR FUNCTION ddd.

IEN0235I S nnn   ddd IS LONGER THAN ITS BASE.  
 LENGTH OF DEFINED VARIABLE ddd EXCEEDS THAT OF ITS  
 BASE. ERRORS MAY OCCUR AT EXECUTION TIME.

IEN0236I E nnn   ddd OR ITS BASE HAS 'VARYING' STRINGS.  
 DEFINED VARIABLE ddd OR ITS BASE CONTAINS 'VARYING'  
 STRINGS. ERRORS MAY OCCUR AT EXECUTION TIME.

IEN0237I E nnn   DEFINED VARIABLE ddd DOES NOT MATCH BASE VARIABLE.  
 ATTRIBUTES OF DEFINED VARIABLE ddd DO NOT MATCH THOSE  
 OF BASE VARIABLE. AN ERROR MAY OCCUR AT EXECUTION TIME.

IEN0238I W nnn   ddd SHORTENED TO ddd.  
 ENTRY NAME ddd IS SHORTENED TO ddd IN EXTERNAL SYMBOL

DICTIONARY.

Explanation: The portion of the base variable that is used for the defined variable must not be calculated by reference to the defined variable. The defining base is the array expression specified in the DEFINED attribute.

IEN0241I W nnn 'PCPOSITION' ATTRIBUTE NOT SPECIFIED FOR ddd.

SIMPLE DEFINING IS ASSUMED FOR ddd, SINCE POSITION ATTRIBUTE NOT SPECIFIED. THE PL/I 'F' COMPILER WOULD ASSUME STRING OVERLAY DEFINING.

Explanation: This message identifies a situation in which the assumptions made by the PL/I F Compiler and the checkout compiler are different.

IEN0242I E nnn 'PCPOSITION' USED WITH ISUB-DEFINED ITEM ddd.

ddd IS DECLARED WITH 'POSITION' ATTRIBUTE BUT IS ISUB-DEFINED. 'POSITION' ATTRIBUTE IGNORED.

IEN0243I S nnn 'REFER' OBJECT ddd IN AREA ddd INVALID.

'REFER' OBJECT ddd IS NOT DECLARED PRIOR TO AREA ddd IN STRUCTURE. AREA SIZE 1000 ASSUMED.

IEN0244I S nnn 'REFER' OBJECT ddd IN STRING ddd INVALID.

'REFER' OBJECT ddd IS NOT DECLARED PRIOR TO STRING ddd IN STRUCTURE. STRING LENGTH 1 ASSUMED.

IEN0245I S nnn 'REFER' OBJECT ddd IN ddd INVALID. LOWER BOUND IN DIMENSION nnn ASSUMED AS 1.

'REFER' OBJECT ddd IS NOT DECLARED PRIOR TO ARRAY ddd IN STRUCTURE. VALUE 1 ASSUMED FOR LOWER BOUND OF DIMENSION nnn.

IEN0246I S nnn 'REFER' OBJECT ddd IN ARRAY ddd INVALID. UPPER BOUND OF DIMENSION nnn ASSUMED EQUAL TO LOWER BOUND.

'REFER' OBJECT ddd IS NOT DECLARED PRIOR TO ARRAY ddd IN STRUCTURE. VALUE OF LOWER BOUND ASSUMED FOR UPPER BOUND OF DIMENSION nnn.

IEN0247I S nnn USE OF 'REFER' IN AREA ddd IS INVALID.

STRUCTURE CANNOT BE MAPPED AS INTENDED BECAUSE USE OF 'REFER' OPTION FOR AREA ddd IS INVALID. AREA SIZE 1000 ASSUMED.

IEN0248I S nnn USE OF 'REFER' IN STRING ddd IS INVALID.

STRUCTURE CANNOT BE MAPPED AS INTENDED BECAUSE USE OF 'REFER' OPTION FOR STRING ddd IS INVALID. STRING LENGTH

1 ASSUMED.

- IEN0249I S nnn USE OF 'REFER' IN ARRAY ddd IS INVALID. VALUE 1 ASSUMED FOR LOWER BOUND OF DIMENSION nnn.
- STRUCTURE CANNOT BE MAPPED AS INTENDED BECAUSE USE OF 'REFER' OPTION FOR ARRAY ddd IS INVALID. VALUE 1 ASSUMED FOR LOWER BOUND OF DIMENSION nnn.
- IEN0250I S nnn USE OF 'REFER' IN ARRAY ddd IS INVALID. IN DIMENSION nnn, UPPER BOUND ASSUMED EQUAL TO LOWER BOUND.
- STRUCTURE CANNOT BE MAPPED AS INTENDED BECAUSE USE OF 'REFER' OPTION FOR ARRAY ddd IS INVALID. VALUE OF LOWER BOUND ASSUMED FOR UPPER BOUND IN DIMENSION nnn.
- IEN0251I S nnn NO LEVEL-ONE ITEM IN PARAMETER DESCRIPTOR FOR ddd.
- NO LEVEL-ONE ITEM IN STRUCTURED PARAMETER DESCRIPTOR FOR ENTRY ddd. ONE HAS BEEN INSERTED.
- Explanation: The parameter descriptor list defining a structure must include a level-one item, by specifying the level number 1, even if the item has no explicit attributes.
- IEN0252I E nnn ddd HAS MORE THAN 64 ARGUMENTS.
- COMPILER RESTRICTION. ENTRY ddd HAS MORE THAN 64 ARGUMENTS. STATEMENT REPLACED BY 'SIGNAL ERROR'.
- IEN0253I E nnn NO GENERIC SELECTION POSSIBLE FOR ddd.
- NO ENTRY POINT CAN BE SELECTED FOR GENERIC ENTRY ddd. STATEMENT REPLACED BY 'SIGNAL ERROR'.
- Explanation: Generic selection is performed by finding the first generic descriptor list in the GENERIC attribute that matches the attributes of the arguments in the function or subroutine reference. The program is in error if no matching descriptor list can be found.
- IEN0254I E nnn ddd MORE THAN 64 PARAMETER DESCRIPTORS.
- COMPILER RESTRICTION. NUMBER OF PARAMETER DESCRIPTORS FOR ddd EXCEEDS 64. ONLY FIRST 64 USED.
- IEN0255I E nnn INVALID DIMENSION ATTRIBUTE IN 'RETURNS' FOR ddd FROM 'DEFAULT' STATEMENT nnn.
- INVALID DIMENSION ATTRIBUTE IN 'RETURNS' FOR ddd FROM 'DEFAULT' STATEMENT nnn. A FUNCTION CANNOT RETURN AN ARRAY. DIMENSION ATTRIBUTE IGNORED.
- Explanation: Due to the specified DEFAULT statement, an entry name has a RETURNS attribute that contains a dimension attribute. This is invalid because function procedures cannot return an array.

IEN0256I E nnn ddd CONTAINS INVALIDLY NESTED ddd.

ddd CONTAINS INVALID NESTING OF ddd ATTRIBUTE.  
ATTRIBUTE IGNORED.

Explanation: It is invalid for a parameter descriptor list to be contained in another parameter descriptor list that itself is part of a parameter descriptor list.

Example:

DCL B ENTRY(REDCIBLE ENTRY(ENTRY(FLOAT FIXED)));

IEN0257I E nnn PARAMETER DESCRIPTOR FOR ddd HAS ddd AND 'UNALIGNED'.  
'DEFAULT' STATEMENT(S) nnn.

PARAMETER DESCRIPTOR FOR ddd HAS THE ddd ATTRIBUTE AND THE 'UNALIGNED' ATTRIBUTE. THE TWO ATTRIBUTES ARE INCOMPATIBLE. 'ALIGNED' ASSUMED. 'UNALIGNED' DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0258I E nnn 'RETURNS' SPECIFICATION FOR ddd HAS ddd AND 'UNALIGNED'.  
'DEFAULT' STATEMENT(S) nnn.

'RETURNS' SPECIFICATION FOR ddd HAS THE ddd ATTRIBUTE AND THE 'UNALIGNED' ATTRIBUTE. THE TWO ATTRIBUTES ARE INCOMPATIBLE. 'ALIGNED' ASSUMED. 'UNALIGNED' DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0259I E nnn PARAMETER DESCRIPTOR FOR ddd HAS ddd AND 'UNALIGNED'.

COMPILER RESTRICTION. PARAMETER DESCRIPTOR FOR ddd HAS THE ddd ATTRIBUTE AND THE 'UNALIGNED' ATTRIBUTE. THE TWO ATTRIBUTES ARE INCOMPATIBLE. 'ALIGNED' ASSUMED.

IEN0260I E nnn 'RETURNS' SPECIFICATION FOR ddd HAS ddd AND 'UNALIGNED'.

COMPILER RESTRICTION. 'RETURNS' SPECIFICATION FOR ddd IS DECLARED WITH THE ddd ATTRIBUTE AND THE 'UNALIGNED' ATTRIBUTE. THE TWO ATTRIBUTES ARE INCOMPATIBLE. 'ALIGNED' ASSUMED.

IEN0261I E nnn DESCRIPTOR ddd HAS INCOMPATIBLE ATTRIBUTE ddd.  
'DEFAULT' STATEMENT(S) nnn.

PARAMETER DESCRIPTOR FOR ddd HAS THE ddd ATTRIBUTE, WHICH IS INCOMPATIBLE WITH THE OTHER ATTRIBUTES SPECIFIED AND IS IGNORED. SOME OF THE OTHER ATTRIBUTES MAY HAVE COME FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0262I E nnn 'RETURNS' SPECIFICATION ddd HAS INCOMPATIBLE ATTRIBUTE ddd.  
'DEFAULT' STATEMENT(S) nnn.

'RETURNS' SPECIFICATION FOR ddd HAS ddd ATTRIBUTE, WHICH IS INCOMPATIBLE WITH THE OTHER ATTRIBUTES SPECIFIED AND IS IGNORED. SOME OF THE OTHER ATTRIBUTES MAY HAVE COME FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0263I E nnn     PARAMETER DESCRIPTOR FOR ddd HAS INCOMPATIBLE ATTRIBUTE  
ddd.

PARAMETER DESCRIPTOR FOR ddd HAS THE ddd ATTRIBUTE,  
WHICH IS INCOMPATIBLE WITH OTHER ATTRIBUTES FOR THIS  
IDENTIFIER AND IS IGNORED.

IEN0264I E nnn     'RETURNS' OR PARAMETER DESCRIPTOR FOR ddd HAS 'FLOAT'  
WITH A SCALE FACTOR.

'RETURNS' SPECIFICATION OR PARAMETER DESCRIPTOR FOR ddd  
HAS THE 'FLOAT' ATTRIBUTE WITH A SCALE FACTOR. SCALE  
FACTOR IS IGNORED.

IEN0265I E nnn     PARAMETER ddd HAS INVALID ddd ATTRIBUTE. 'DEFAULT'  
STATEMENT(S) nnn.

PARAMETER ddd HAS THE ddd ATTRIBUTE. THIS IS INVALID,  
THE ATTRIBUTE IS IGNORED. THE ATTRIBUTE IS DERIVED FROM  
'DEFAULT' STATEMENT(S) nnn.

Explanation: A parameter must not have the INITIAL  
attribute (unless it also has the CONTROLLED attribute)  
or the EXTERNAL attribute.

IEN0266I S nnn     EXPRESSION AS EXTENT IN PARAMETER DESCRIPTOR FOR ddd.  
'DEFAULT' STATEMENT(S) nnn.

EXTENT OF A PARAMETER DESCRIPTOR FOR ddd IS SPECIFIED  
AS AN EXPRESSION. THIS IS INVALID, THE EXPRESSION IS  
REPLACED BY AN ASTERISK. THE EXTENT IS DERIVED FROM  
'DEFAULT' STATEMENT(S) nnn.

Explanation: If a parameter has an extent, the extent  
must be specified as a decimal integer constant or an  
asterisk (which indicates that it will have the same  
extent as the corresponding argument).

IEN0267I S nnn     'SYSPRINT' NOT A FILE.

'SYSPRINT' IS NOT A FILE CONSTANT. PROGRAM WILL NOT BE  
PROCESSED BEYOND TRANSLATION STAGE.

Explanation: SYSPRINT is used as a file name by the  
checkout compiler during interpretation; therefore, if  
it is used in the PL/I program, it must have the FILE  
attribute explicitly or implicitly declared.

IEN0268I S nnn     'REFER' FOR ddd INVALID. ddd EXTENT ASSUMED TO BE nnn.

ddd HAS ddd ATTRIBUTE WITH EXTENT CONTAINING THE  
'REFER' OPTION BUT IS NOT IN A BASED STRUCTURE. EXTENT  
VALUE nnn ASSUMED.

IEN0269I S nnn     'REFER' FOR ddd INVALID. ddd EXTENT ASSUMED TO BE nnn.  
'DEFAULT' STATEMENT(S) nnn.

ddd HAS ddd ATTRIBUTE WITH EXTENT CONTAINING THE  
'REFER' OPTION, BUT IS NOT IN A BASED STRUCTURE.

EXTENT VALUE nnn ASSUMED. EXTENT DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0270I S nnn EXPRESSION AS EXTENT OF PARAMETER ddd. 'DEFAULT' STATEMENT(S) nnn.

EXTENT OF SIMPLE PARAMETER ddd IS SPECIFIED AS AN EXPRESSION. THIS IS INVALID, THE EXPRESSION IS REPLACED BY AN ASTERISK. THE EXTENT IS DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

Explanation: If a parameter has an extent, the extent must be specified as a decimal integer constant or an asterisk (which indicates that it will have the same extent as the corresponding argument).

IEN0271I S nnn INVALID EXTENT OF 'STATIC' STRING OR AREA ddd. nnn ASSUMED. 'DEFAULT' STATEMENT(S) nnn.

EXTENT OF 'STATIC' STRING OR 'AREA' VARIABLE ddd IS NOT SPECIFIED AS A DECIMAL INTEGER CONSTANT. THIS IS INVALID, THE EXTENT ASSUMES THE SYSTEM DEFAULT VALUE nnn. THE EXTENT IS DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0272I E nnn INVALID PRECISION IN 'RETURNS' OR DESCRIPTOR LIST FOR ddd. nnn ASSUMED.

PRECISION IN 'RETURNS' SPECIFICATION OR ENTRY DESCRIPTOR LIST FOR ddd IS ZERO, OR GREATER THAN IMPLEMENTATION-DEFINED MAXIMUM. SYSTEM DEFAULT PRECISION nnn ASSUMED.

IEN0273I E nnn NON-AGGREGATE LEVEL-ONE DESCRIPTOR FOR ddd IS 'CONNECTED'. 'DEFAULT' STATEMENT(S) nnn.

LEVEL-ONE PARAMETER DESCRIPTOR FOR ddd IS NOT A DATA AGGREGATE BUT HAS THE 'CONNECTED' ATTRIBUTE. THE ATTRIBUTE IS IGNORED. IT WAS DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

Explanation: A level-one item is any item that is not an element of a structure. The CONNECTED attribute must be used only with arrays or structures.

IEN0274I E nnn NON-AGGREGATE LEVEL-ONE DESCRIPTOR FOR ddd IS 'CONNECTED'.

LEVEL-ONE PARAMETER DESCRIPTOR FOR ddd IS NOT A DATA AGGREGATE BUT HAS THE 'CONNECTED' ATTRIBUTE. ATTRIBUTE IGNORED.

Explanation: A level-one item is any item that is not an element of a structure. The CONNECTED attribute must be used only with arrays or structures.

IEN0275I E nnn NON-AGGREGATE PARAMETER ddd HAS 'CONNECTED'. 'DEFAULT' STATEMENT(S) nnn.

PARAMETER ddd IS NOT A DATA AGGREGATE BUT HAS THE 'CONNECTED' ATTRIBUTE. ATTRIBUTE IGNORED. IT IS DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0276I E nnn NCN-AGGREGATE PARAMETER ddd HAS 'CONNECTED'.

PARAMETER ddd IS NOT A DATA AGGREGATE BUT HAS THE 'CONNECTED' ATTRIBUTE. ATTRIBUTE IGNORED.

IEN0277I E nnn ASTERISK EXTENT FOR ddd WHICH IS NOT A PARAMETER NOR 'CONTROLLED'. nnn ASSUMED. 'DEFAULT' STATEMENT(S) nnn.

STRING OR AREA ddd HAS EXTENT SPECIFIED BY AN ASTERISK BUT IS NEITHER A PARAMETER NOR 'CONTROLLED'. SYSTEM DEFAULT VALUE nnn ASSUMED. EXTENT DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0278I S nnn ddd HAS '\*' EXTENT. nnn ASSUMED.

STRING OR AREA ddd HAS '\*' EXTENT BUT IS NEITHER A PARAMETER NOR 'CONTROLLED'. '\*' REPLACED BY nnn.

IEN0279I S nnn ddd HAS 'INITIAL'. 'DEFAULT' STATEMENT(S) nnn.

STATIC 'LABEL' OR 'ENTRY' VARIABLE ddd HAS THE 'INITIAL' ATTRIBUTE, WHICH IS IGNORED. IT IS DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

Explanation: A label or entry variable must not have both the STATIC and INITIAL attributes.

IEN0280I W nnn TOO MANY CROSS-REFERENCES.

COMPILER RESTRICTION. CROSS-REFERENCE LISTING CONTAINS MORE THAN 32,767 REFERENCES TO IDENTIFIERS. EXCESS REFERENCES SUPPRESSED.

Explanation: The maximum number of references that can be included in the XREF table is 32767. This limit does not affect the validity of the program.

IEN0281I E nnn NOT ENOUGH STORAGE TO PROCESS REFERENCES TO ddd.

NOT ENOUGH MAIN STORAGE AVAILABLE TO PROCESS ANY REFERENCES TO IDENTIFIER ddd. ANY REFERENCES TO THIS IDENTIFIER ARE OMITTED FROM THE CROSS-REFERENCE LISTING.

Explanation: The dictionary of identifiers constructed by the checkout compiler is full. Either more main storage should be provided, or the program should be split into two or more external procedures, each of which may be translated separately and later link edited.

IEN0282I E nnn ddd DECLARED 'EXTERNAL'. CONFLICTS WITH DCL IN STATEMENT nnn.

ATTRIBUTES OF 'EXTERNAL' IDENTIFIER ddd CONFLICT WITH THOSE PREVIOUSLY DECLARED IN STATEMENT NUMEER nnn. 'INTERNAL' ASSUMED IN THIS DECLARATION.

Explanation: An external identifier has been declared twice and the second declaration conflicts with the first. The second declaration is assumed to apply to a different internal identifier with the same name.

IEN0283I E nnn ddd ASSUMED TO BE ARRAY. DIMENSIONS DERIVED FROM 'DEFAULT' STATEMENT nnn.

CONTEXT OF ddd IMPLIES 'BUILTIN' BUT IT IS NOT A PL/I BUILT-IN FUNCTION. DIMENSION ATTRIBUTE ASSUMED FROM 'DEFAULT' STATEMENT nnn INSTEAD.

Explanation: The specified identifier is assumed to be an array, with the dimension attribute taken from the specified DEFAULT statement. An undeclared identifier followed by a parenthesized list would be given the BUILTIN attribute implicitly if it was the name of a PL/I built-in function.

IEN0284I E nnn ddd ASSUMED TO BE ARRAY WITH nnn DIMENSION(S).

CONTEXT OF ddd IMPLIES 'BUILTIN' BUT IT IS NOT A PL/I BUILT-IN FUNCTION. IT IS ASSUMED TO BE AN ARRAY OF nnn DIMENSION(S) WITH VARIABLE BCUNDS.

Explanation: The specified identifier is assumed to be an array, with the specified number of dimensions. An undeclared identifier followed by a parenthesized list would be given the BUILTIN attribute if it was the name of a PL/I built-in function.

IEN0285I E nnn ATTRIBUTES OF ddd CONFLICT WITH DECLARATION IN STATEMENT nnn.

ATTRIBUTES OF EXTERNAL ENTRY ddd CONFLICT WITH THOSE PREVIOUSLY DECLARED IN STATEMENT nnn. RESULTS UNDEFINED.

Explanation: An external identifier has been declared twice and the second declaration conflicts with the first but also includes the ENTRY attribute. No internal entry with the same name has been used in the procedure so it is not reasonable to assume the INTERNAL attribute as in message IEN0282I.

IEN0286I E nnn ENTRY ddd ALREADY DECLARED IN STATEMENT nnn.

DECLARATION OF ENTRY ddd IGNCRED. IT IS ALREADY EXPLICITLY DECLARED AS AN ENTRY IN STATEMENT nnn.

Explanation: The use of a label prefix in an ENTRY or PROCEDURE statement is an explicit declaration of an entry constant.

IEN0287I E nnn 'SYSPRINT' NOT 'PRINT' FILE.

FILE 'SYSPRINT' DOES NOT HAVE 'PRINT' ATTRIBUTE.  
'STREAM OUTPUT PRINT' ASSUMED.

Explanation: The SYSPRINT file is used by the checkout compiler during interpretation. If you declare the SYSPRINT file, it must have the PRINT attribute. This excludes its use, for instance, for record-oriented output.

IEN0288I S nnn DUPLICATE 'VALUE' SPECIFICATIONS FOR ddd. 'DEFAULT' STATEMENTS nnn, nnn.

DEFAULTS APPLIED FOR ddd HAVE TWO DIFFERENT 'VALUE' SPECIFICATIONS FOR THE SAME DATA TYPE. LATTER SPECIFICATION IGNORED. DEFAULTS DERIVED FROM 'DEFAULT' STATEMENTS nnn AND nnn.

Explanation: Two DEFAULT statements apply to the same identifier and they have conflicting values specified in their VALUE options.

IEN0289I S nnn DEFAULTS FOR ddd HAVE DUPLICATE ddd ATTRIBUTE. 'DEFAULT' STATEMENTS nnn AND nnn.

DEFAULTS APPLIED TO ddd HAVE ddd ATTRIBUTE TWICE. LATTER SPECIFICATION IGNORED. DERIVED FROM 'DEFAULT' STATEMENTS nnn AND nnn.

IEN0290I S nnn DEFAULTS FOR ddd. ddd ('DEFAULT' STATEMENT nnn) CONFLICTS WITH ddd ('DEFAULT' STATEMENT nnn).

IN APPLICATION OF DEFAULTS FOR ddd, ATTRIBUTE ddd IN 'DEFAULT' STATEMENT nnn CONFLICTS WITH ATTRIBUTE ddd IN 'DEFAULT' STATEMENT nnn. FORMER ATTRIBUTE IGNORED.

IEN0291I S nnn 'RETURNS' OR 'ENTRY' FOR ddd HAS ddd WITH INVALID EXTENT VALUE ttt. nnn ASSUMED.

COMPILER RESTRICTION. 'RETURNS' ATTRIBUTE OR PARAMETER DESCRIPTOR LIST FOR ddd CONTAINS ddd ATTRIBUTE WITH EXTENT VALUE ttt. MAXIMUM VALUE ALLOWED IS nnn AND THIS IS ASSUMED.

IEN0292I E nnn 'RETURNS' OR DESCRIPTOR LIST FOR ddd CONTAINS PRECISION FOR ddd THAT OVERRIDES EARLIER PRECISION FOR ddd.

ddd HAS 'RETURNS' ATTRIBUTE OR PARAMETER DESCRIPTOR THAT SPECIFIES A PRECISION WITH THE ddd ATTRIBUTE. THIS PRECISION OVERRIDES THE PRECISION WITH THE ddd ATTRIBUTE GIVEN EARLIER IN THIS STATEMENT.

Explanation: Two precision attributes have been specified in the RETURNS attribute or parameter descriptor list.

IEN0293I S nnn 'REFER' FOR ddd INVALID. DIMENSION nnn ASSUMED TO HAVE BOUND OF nnn. 'DEFAULT' STATEMENT nnn.

ddd HAS A ECUND IN DIMENSION nnn CONTAINING THE 'REFER'

OPTION, BUT IS NOT IN A BASED STRUCTURE; BOUND VALUE nnn IS ASSUMED. DIMENSIONS DERIVED FROM 'DEFAULT' STATEMENT nnn.

IEN0294I S nnn 'REFER' FOR ddd INVALID. DIMENSION nnn ASSUMED TO HAVE BOUND OF nnn.

ddd HAS A BOUND IN DIMENSION nnn CONTAINING THE 'REFER' OPTION, BUT IS NOT IN A BASED STRUCTURE. BOUND VALUE nnn IS ASSUMED.

IEN0295I E nnn ddd SHORTENED TO ccc.

COMPILER RESTRICTION. EXTERNAL NAME ddd EXCEEDS SEVEN CHARACTERS. SHORTENED TO ccc IN EXTERNAL SYMBOL DICTIONARY.

Explanation: An external name must not exceed 7 characters. Names longer than this are shortened by concatenating the first 4 characters with the last 3.

IEN0296I S nnn 'TRANSIENT' FILE ddd HAS INVALID 'ENVIRONMENT' ATTRIBUTE.

ddd IS A 'TRANSIENT' FILE AND SHOULD CONTAIN ONLY THE 'TP', 'RECSIZE' AND 'BUFFERS' OPTIONS IN THE 'ENVIRONMENT' ATTRIBUTE. 'UNDEFINEDFILE' CONDITION WILL BE RAISED IF AN ATTEMPT IS MADE TO OPEN THE FILE.

IEN0297I S nnn ddd HAS '\*' IN DIMENSION nnn DUE TO 'DEFAULT' STATEMENT nnn.

ARRAY ddd HAS '\*' FOR DIMENSION NUMBER nnn BUT IS NEITHER A PARAMETER NOR 'CONTROLLED'. '\*' REPLACED BY 1. DIMENSION DERIVED FROM 'DEFAULT' STATEMENT nnn.

IEN0298I S nnn ddd HAS '\*' IN DIMENSION nnn.

ARRAY ddd HAS '\*' FOR DIMENSION NUMBER nnn BUT IS NEITHER A PARAMETER NOR 'CONTROLLED'. '\*' REPLACED BY 1.

IEN0299I S nnn INVALID BOUND IN DIMENSION nnn. nnn ASSUMED.

COMPILER RESTRICTION. DIMENSION ATTRIBUTE HAS A BOUND IN DIMENSION NUMBER nnn WITH A VALUE OUTSIDE THE RANGE -32768 TO 32767. nnn ASSUMED.

Explanation: This message applies to a dimension attribute specified in a DEFAULT statement.

IEN0300I S nnn ddd IN ddd NOT 'CONNECTED' OR CONTAINS UNALIGNED BIT STRING.

ddd IN ddd IS NOT 'CONNECTED', OR CONTAINS UNALIGNED BIT STRINGS CONTRAVENING THE COMPILER RESTRICTIONS. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation:

1. The argument must be on a byte-boundary. This restriction may be violated by an unaligned bit string or a structure that contains unaligned bit strings.

2. If the argument is an array or structure, its elements must be in adjacent areas of main storage. This restriction may be violated by a defined array or structure that includes padding.

IEN0301I S nnn ddd HAS INVALID BCUND IN DIMENSICN nnn. nnn ASSUMED.

COMPILER RESTRICTION. ARRAY dddd HAS A BCUND IN DIMENSION NUMBER nnn WITH A VALUE OUTSIDE THE RANGE - 32768 TO 32767. nnn ASSUMED.

IEN0302I S nnn ddd HAS MORE THAN 15 DIMENSICNS. 'DEFAULT' STATEMENT nnn.

COMPILER RESTRICTION. TOTAL NUMBER OF DECLARED AND INHERITED DIMENSIONS FOR ddd EXCEEDS 15. ANY DIMENSIONS AFTER FIFTEENTH IGNORED. DIMENSICNS DERIVED FROM 'DEFAULT' STATEMENT nnn.

Explanation: In addition to the dimensions that were explicitly declared and those derived from a DEFAULT statement, a structure element inherits any dimensions specified for all major and minor structures in which it is included.

IEN0303I S nnn ITEM IN DESCRIPTOR LIST FOR ddd HAS MORE THAN 15 DIMENSIONS. 'DEFAULT' STATEMENT nnn.

COMPILER RESTRICTION. TOTAL NUMBER OF DECLARED AND INHERITED DIMENSIONS FOR AN ITEM IN PARAMETER DESCRIPTOR LIST FOR ddd EXCEEDS 15. ANY DIMENSIONS AFTER FIFTEENTH IGNORED. DIMENSIONS DERIVED FROM 'DEFAULT' STATEMENT nnn.

Explanation: In addition to the dimensions that were explicitly declared and those derived from a DEFAULT statement, a structure element inherits any dimensions specified for all major and minor structures in which it is included.

IEN0304I S nnn ITEM IN DESCRIPTOR LIST FOR ddd HAS MORE THAN 15 DIMENSIONS.

COMPILER RESTRICTION. TOTAL NUMBER OF DECLARED AND INHERITED DIMENSIONS FOR AN ITEM IN PARAMETER DESCRIPTOR LIST FOR ddd EXCEEDS 15. ANY DIMENSIONS AFTER FIFTEENTH IGNORED.

Explanation: In addition to the dimensions that were explicitly declared and those derived from a DEFAULT statement, a structure element inherits any dimensions specified for all major and minor structures in which it is included.

IEN0305I S nnn ddd HAS MORE THAN 15 DIMENSIONS.

COMPILER RESTRICTION. TOTAL NUMBER OF DECLARED AND INHERITED DIMENSIONS FOR ddd EXCEEDS 15. ANY DIMENSIONS AFTER FIFTEENTH IGNORED.

Explanation: In addition to the dimensions that were explicitly declared and those derived from a DEFAULT statement, a structure element inherits any dimensions specified for all major and minor structures in which it is included.

IEN0306I S nnn ddd HAS INVALID BOUND IN DIMENSION nnn. nnn ASSUMED. 'DEFAULT' STATEMENT nnn.

STATIC ARRAY ddd HAS A BOUND IN DIMENSION NUMBER nnn THAT IS NOT SPECIFIED AS A DECIMAL INTEGER CONSTANT. BOUND REPLACED BY nnn. DIMENSION DERIVED FROM 'DEFAULT' STATEMENT nnn.

IEN0307I S nnn ARRAY IN 'ENTRY' FOR ddd HAS INVALID BOUND IN DIMENSION nnn DUE TO 'DEFAULT' STATEMENT nnn.

DIMENSION ATTRIBUTE IN PARAMETER DESCRIPTOR LIST FOR ENTRY ddd HAS A BOUND IN DIMENSION NUMBER nnn THAT IS NOT SPECIFIED AS A DECIMAL INTEGER CONSTANT OR '\*'. DIMENSION REPLACED BY '\*'. DIMENSION DERIVED FROM 'DEFAULT' STATEMENT nnn.

Explanation: The asterisk indicates that the parameter will take the value of this bound from the value of the equivalent bound for the corresponding argument.

IEN0308I S nnn ddd HAS INVALID BOUND IN DIMENSION nnn DUE TO 'DEFAULT' STATEMENT nnn.

NON-CONTROLLED PARAMETER ddd HAS A BOUND IN DIMENSION NUMBER nnn THAT IS NOT SPECIFIED AS A DECIMAL INTEGER CONSTANT OR '\*'. DIMENSION REPLACED BY '\*'. DIMENSION DERIVED FROM 'DEFAULT' STATEMENT nnn.

Explanation: The asterisk indicates that the parameter will take the value of this bound from the value of the equivalent bound for the corresponding argument.

IEN0309I S nnn ARRAY IN 'ENTRY' FOR ddd HAS INVALID BOUND IN DIMENSION nnn.

DIMENSION ATTRIBUTE IN PARAMETER DESCRIPTOR LIST FOR ENTRY ddd HAS A BOUND IN DIMENSION NUMBER nnn THAT IS NOT SPECIFIED AS A DECIMAL INTEGER CONSTANT OR '\*'. DIMENSION REPLACED BY '\*'. DIMENSION DERIVED FROM 'DEFAULT' STATEMENT nnn.

Explanation: The asterisk indicates that the parameter will take the value of this bound from the value of the equivalent bound for the corresponding argument.

IEN0310I S nnn ddd HAS INVALID BOUND IN DIMENSION nnn.

NON-CONTROLLED PARAMETER ddd HAS A BOUND IN DIMENSION

NUMBER nnn THAT IS NOT SPECIFIED AS A DECIMAL INTEGER CONSTANT OR '\*'. DIMENSION REPLACED BY '\*'.

Explanation: The asterisk indicates that the parameter will take the value of this bound from the value of the equivalent bound for the corresponding argument.

IEN0311I S nnn UPPER BOUND LESS THAN LOWER BOUND IN DIMENSION nnn.

DIMENSION ATTRIBUTE HAS AN UPPER BOUND THAT IS LESS THAN LOWER BOUND IN DIMENSION NUMBER nnn. BOUNDS TRANSPOSED.

Explanation: This message applies to a dimension attribute specified in a DEFAULT statement.

IEN0312I S nnn ddd HAS UPPER BOUND LESS THAN LOWER BOUND IN DIMENSION nnn.

ddd HAS UPPER BOUND LESS THAN LOWER BOUND IN DIMENSION nnn. BOUNDS TRANSPOSED.

IEN0313I W nnn 'GOTO' ddd MAY GO INTO ITERATIVE 'DO'.

'GOTO' ddd MAY CAUSE CONTROL TO BE PASSED INTO ITERATIVE DO GROUP.

IEN0314I E nnn INVALID TARGET STATEMENT nnn.

STATEMENT NUMBER nnn IS INVALID AND SO MAY NOT BE SPECIFIED AS THE TARGET OF A 'GOTO'. 'GOTO' STATEMENT REPLACED BY 'SIGNAL ERROR'

Explanation: The statement number or label specified in the subcommand identifies a type of statement that cannot be used with the subcommand.

IEN0315I S nnn ddd HAS ddd WITH INVALID EXTENT VALUE ttt. nnn ASSUMED.

COMPILER RESTRICTION. ddd HAS ddd ATTRIBUTE WITH EXTENT VALUE ttt. MAXIMUM VALUE ALLOWED IS nnn AND THIS IS ASSUMED.

IEN0316I E nnn ddd PARAMETER, ddd INVALID.

PARAMETER ddd HAS THE ddd ATTRIBUTE WHICH IS INVALID. ATTRIBUTE IGNORED.

IEN0317I S nnn 'INITIAL' IGNORED FOR STATIC LABEL OR ENTRY ddd.

STATIC LABEL OR STATIC ENTRY VARIABLE ddd HAS 'INITIAL' ATTRIBUTE, WHICH IS INVALID. VARIABLE NOT INITIALIZED.

Explanation: A label or entry variable must not have both the STATIC and INITIAL attributes.

IEN0318I E nnn ddd HAS ddd AND 'UNALIGNED'. 'DEFAULT' STATEMENT(S) nnn.

COMPILER RESTRICTION. IDENTIFIER ddd IS DECLARED WITH ddd ATTRIBUTE AND 'UNALIGNED' ATTRIBUTE. THE TWO ATTRIBUTES ARE INCOMPATIBLE SO 'ALIGNED' IS ASSUMED. 'UNALIGNED' DERIVED FROM DEFAULT STATEMENT(S) nnn.

IEN0319I E nnn ddd HAS ddd AND 'UNALIGNED'.

COMPILER RESTRICTION. ddd IS DECLARED WITH THE ddd ATTRIBUTE AND THE 'UNALIGNED' ATTRIBUTE. THE TWO ATTRIBUTES ARE INCOMPATIBLE. 'ALIGNED' ASSUMED.

IEN0320I E nnn ddd INVALID IN A FUNCTION REFERENCE.

BUILT-IN FUNCTION ddd CAN ONLY APPEAR IN A 'CALL' STATEMENT OR AN 'INITIAL CALL' SPECIFICATION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: Built-in subroutines such as PLIDUMP, PLISRTA, and PLRETC must not be used as function references; they do not return a value.

IEN0321I E nnn ddd HAS BOTH QUALIFIED AND UNQUALIFIED ATTRIBUTE ddd IN 'RETURNS' OR 'ENTRY'.

ddd HAS A 'RETURNS' ATTRIBUTE OR ENTRY DESCRIPTOR WITH THE ddd REPEATED ONCE QUALIFIED, ONCE UNQUALIFIED. THE QUALIFIED ATTRIBUTE HAS BEEN ASSUMED.

Explanation: The specified attribute is used both with and without an argument. For example, CFFSET and OFFSET(P).

IEN0322I E nnn ddd HAS ATTRIBUTE ddd REPEATED IN 'RETURNS' OR 'ENTRY'.

'RETURNS' ATTRIBUTE OR ENTRY DESCRIPTOR FOR ddd HAS REPETITION OF ATTRIBUTE ddd. ALL OCCURRENCES AFTER FIRST ARE IGNORED.

IEN0323I E nnn ddd HAS CONFLICTING ddd AND ddd IN 'RETURNS' OR 'ENTRY'.

ddd HAS A 'RETURNS' ATTRIBUTE OR ENTRY DESCRIPTOR THAT CONTAINS THE ATTRIBUTES ddd AND ddd. THE LATTER HAS BEEN ASSUMED.

IEN0324I E nnn ddd HAS BOTH QUALIFIED AND UNQUALIFIED ATTRIBUTE ddd.

ddd HAS BEEN DECLARED WITH THE ddd ATTRIBUTE REPEATED, ONCE QUALIFIED, ONCE UNQUALIFIED. THE QUALIFIED ATTRIBUTE IS ASSUMED.

Explanation: The specified attribute is used both with and without an argument. For example, OFFSET and OFFSET(P).

IEN0325I E nnn ddd HAS ATTRIBUTE ddd REPEATED.

ddd DECLARED WITH THE ddd ATTRIBUTE REPEATED. ANY OCCURRENCES AFTER FIRST ARE IGNCRD.

IEN0326I S nnn NO LEVEL-ONE ITEM. ddd ASSUMED.

NO LEVEL-ONE ITEM IN STRUCTURE DECLARATION. THE COMPILER HAS GENERATED THE IDENTIFIER ddd AND INSERTED IT AS THE LEVEL-ONE ITEM.

Example:

1. DCL 2A, 2B, ...
2. DCL A, 2B, ...

Explanation: The compiler has detected a place in the program that should contain a major structure name, but does not. In the above examples the compiler would generate the identifier a1 and insert it as the level-one item as follows:

1. DCL 1 a1, 2A, 2B, ...
2. DCL A, 1 a1, 2B, ...

IEN0327I E nnn ddd USED IN 'LOCATE' WITH OFFSET.

BASED VARIABLE ddd IN 'LOCATE' STATEMENT IS ASSOCIATED WITH AN OFFSET VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The LOCATE statement returns the address of an I/O buffer to the locator associated with the based variable. This locator must always be a pointer variable because an offset variable is used only with area variables.

IEN0328I E nnn 'IN' OR 'SET' INVALID WITH CONTROLLED.

'IN' OR 'SET' OPTIONS CANNOT BE USED FOR CONTROLLED VARIABLES IN 'ALLOCATE' OR 'FREE' STATEMENTS. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The IN or SET option can be used only in ALLOCATE or FREE statements for based variables.

IEN0329I E nnn 'EVENT' WITHOUT 'REPLY' IN 'DISPLAY'.

IN A 'DISPLAY' STATEMENT 'EVENT' CANNOT BE USED WITHOUT 'REPLY'. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0330I E nnn ddd HAS INCOMPATIBLE ATTRIBUTES ddd,ddd. 'DEFAULT' STATEMENT(S) nnn.

ddd HAS INCOMPATIBLE ATTRIBUTES ddd AND ddd. THE FORMER OF THESE IS IGNORED. ONE OR BOTH ARE DERIVED FROM DEFAULT STATEMENT(S) nnn.

IEN0331I E nnn ddd HAS SCALE FACTOR.

ddd IS DECLARED FLOATING-POINT WITH A SCALE FACTOR.  
SCALE FACTOR IGNORED.

IEN0332I E nnn INVALID PRECISION FOR ddd. nnn ASSUMED.

PRECISION OF ddd IS ZERO OR GREATER THAN IMPLEMENTATION  
DEFINED MAXIMUM. SYSTEM DEFAULT PRECISION nnn ASSUMED.

IEN0333I W nnn ATTRIBUTES OF ARGUMENT nnn OF ddd MAY BE WRONG.

ATTRIBUTES OF ARGUMENT nnn OF ENTRY ddd ARE NOT THE  
SAME AS IN A PREVIOUS REFERENCE. ARGUMENT PASSED  
UNCHANGED.

Explanation: One or more of the arguments passed to  
the specified entry point are different from those used  
in a previous call or reference, and have different  
attributes. This is not invalid but may indicate an  
error in the program.

IEN0334I W nnn NUMBER OF ARGUMENTS FOR ddd MAY BE WRONG.

NUMBER OF ARGUMENTS TO ENTRY ddd IS NOT THE SAME AS IN  
A PREVIOUS REFERENCE. CODE COMPILED ASSUMES NUMBER HERE  
IS CORRECT.

Explanation: The fact that different calls or  
references to the same entry point use a different  
number of arguments may indicate an error in the  
program. It is not invalid unless the number of  
arguments for the entry point were explicitly declared  
(see message IEN0335I).

IEN0335I E nnn WRONG NUMBER OF ARGUMENTS FOR ddd.

NUMBER OF ARGUMENTS TO ENTRY ddd DOES NOT MATCH NUMBER  
DECLARED. STATEMENT REPLACED BY 'SIGNAL ERROR'

IEN0336I W nnn 'ISUB' ARRAY ddd PASSED AS DUMMY.

'ISUB DEFINED' ARRAY ddd, WHEN PASSED AS AN ARGUMENT  
CAUSES CREATION OF A DUMMY. MODIFICATION OF THE  
PARAMETER WILL THEREFORE NOT RESULT IN MODIFICATION OF  
THE ARGUMENT.

Explanation: Arrays defined by ISUB variables cannot  
be passed as arguments by name and therefore a dummy  
argument is used.

IEN0337I S nnn ddd AND ddd CANNOT BE COMPARED.

DATA TYPES FOR OPERANDS ddd AND ddd CANNOT BE CONVERTED  
TO A COMMON TYPE FOR COMPARISON, OR ARE INVALID IN A  
COMPARISON. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0338I S nnn INVALID OPERAND TO ARITHMETIC OR STRING OPERATOR, ddd.

ddd IS OPERAND OF ARITHMETIC OR STRING OPERATOR BUT

CANNOT BE CONVERTED TO ARITHMETIC OR STRING DATA TYPE.  
STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0339I S nnn ddd SELF DEPENDENT.

DECLARATION OF ddd IS DEPENDENT ON ITSELF. THEREFORE  
ARRAY BOUNDS, INITIAL VALUE OR STRING LENGTH CANNOT BE  
RESOLVED.

Example:

```
DCL A INIT(B);  
DCL B CHAR(A);
```

IEN0340I W nnn DECLARATION OF ddd DEPENDENT ON ddd.

DECLARATION OF ddd IS DEPENDENT ON ddd, WHICH HAS NOT  
BEEN INITIALIZED IN THE CURRENT BLOCK.

Explanation: An attribute in a DECLARE statement must  
not include a variable which is neither initialized  
before the block containing the DECLARE statement is  
invoked, nor by another declaration in the same block.

Example:

```
DCL B CHAR(F(N));  
DCL N FIXED BIN;  
DCL F RETURNS(FIXED BIN);  
F: PROC(P) FIXED BIN;  
.  
.  
RETURN(P); END F;
```

IEN0341I S nnn WRONG STRUCTURE DESCRIPTION FOR ddd.

STRUCTURE DESCRIPTION FOR ddd DOES NOT MATCH  
DECLARATION. 'ALLOCATE' REPLACED BY 'SIGNAL ERROR'.

Explanation: If a full description of a structure is  
given in an ALLOCATE statement, the description must  
match that declared.

IEN0342I S nnn TOO MANY ATTRIBUTES FOR ddd. NO ALLOCATION.

TOO MANY ATTRIBUTES SPECIFIED FOR ddd. 'ALLOCATE'  
REPLACED BY 'SIGNAL ERROR'.

Explanation: Only the dimension attribute, the INITIAL  
attribute, and either the AREA, BIT, or CHARACTER  
attribute can be specified in an ALLOCATE statement.

IEN0343I S nnn ddd IN 'ALLOCATE' FOR ddd CONFLICTS WITH DECLARED ddd.

ATTRIBUTE ddd OF IDENTIFIER ddd IN 'ALLOCATE' STATEMENT  
CONFLICTS WITH ddd ATTRIBUTE IN DECLARATION FOR THIS  
IDENTIFIER. 'ALLOCATE' REPLACED BY 'SIGNAL ERROR'.

IEN0344I E nnn INVALID LOGICAL LEVEL FOR ddd IN 'ALLOCATE'.

ddd HAS LOGICAL LEVEL THAT IS DIFFERENT FROM THAT DECLARED. DECLARED LEVEL ASSUMED.

IEN0345I S nnn ddd NOT LEVEL-ONE.

ddd NOT A LEVEL-ONE IDENTIFIER. 'ALLOCATE' REPLACED BY 'SIGNAL ERROR'.

Explanation: An ALLOCATE statement must not specify an identifier that is an element of a structure.

IEN0346I S nnn NUMBER OF DIMENSIONS INVALID FOR ddd.

NUMBER OF DIMENSIONS FOR ddd NOT THE SAME AS THAT DECLARED. 'ALLOCATE' REPLACED BY 'SIGNAL ERROR'.

IEN0347I S nnn ddd NOT 'CONTROLLED'.

'CONTROLLED' WAS NOT SPECIFIED FOR ddd. 'ALLOCATE' OF THIS ITEM REPLACED BY 'SIGNAL ERROR'.

Explanation: The form of ALLOCATE statement intended for use only with controlled variables has been used with a based variable.

IEN0348I W nnn ddd NOT DECLARED AS 'BUILTIN'.

IDENTIFIER ddd HAS THE NAME OF A BUILTIN FUNCTION BUT WAS IMPLICITLY DECLARED OTHERWISE.

Explanation: It is not invalid to use any PL/I keyword as a program variable, but it may indicate an error in the program.

IEN0349I E nnn ddd ASSUMED AS 'EXTERNAL ENTRY'.

EXPLICIT OR CONTEXTUAL DECLARATION OF ddd AS 'BUILT-IN' IS INVALID. 'EXTERNAL ENTRY' IS ASSUMED.

Explanation: If a name does not lie within the scope of an explicit declaration of the same name, then it is contextually declared as BUILTIN INTERNAL if it appears in a CALL statement or a CALL option, or is followed by an argument list. These attributes cannot be applied to the identifier specified in the message so it is given the attributes EXTERNAL ENTRY.

IEN0351I E nnn ddd DUPLICATED IN ARGUMENT LIST.

ddd APPEARS MORE THAN ONCE IN THE ARGUMENT LIST FOR A 'NOMAP', 'NOMAPIN' OR 'NOMAPCUT' OPTION. ONLY THE FIRST OCCURRENCE IS USED.

IEN0352I S nnn ddd IS NOT A VALID REFERENCE IN ARGUMENT LIST.

ddd IS INVALID AS A REFERENCE IN THE 'NOMAP', 'NOMAPIN'

OR 'NOMAPOUT' ARGUMENT LIST OF THE 'OPTIONS' ATTRIBUTE ON A 'DECLARE' OR 'DEFAULT' STATEMENT, AND IS IGNORED.

Explanation: The argument list should contain names of parameters to this entry point to which the option applies.

IEN0353I E nnn ddd IS NOT A PARAMETER.

ddd IS NOT A PARAMETER OF THIS 'PROCEDURE' OR 'ENTRY' AND CANNOT APPEAR IN A 'NOMAP', 'NOMAPIN' OR 'NOMAPOUT' ARGUMENT LIST. IT IS IGNORED.

IEN0354I W nnn ddd IN 'NOMAPIN', BUT NOT 'NOMAPOUT' LIST.

ddd IS SPECIFIED IN A 'NOMAPIN' ARGUMENT LIST BUT NOT IN A 'NOMAPOUT' ARGUMENT LIST.

Explanation: If the specified aggregate is one that requires mapping, a dummy argument will be used to pass the aggregate to the procedure. This dummy argument will not be remapped when control returns from the procedure, so any changes made to the argument will not be available to the invoking procedure.

IEN0355I W nnn ddd IN 'NOMAPOUT', BUT NOT 'NOMAPIN' LIST.

ddd IS SPECIFIED IN A 'NOMAPOUT' ARGUMENT LIST BUT NOT IN A 'NOMAPIN' ARGUMENT LIST.

Explanation: If the specified aggregate is one that requires mapping, an uninitialized dummy argument will be used to pass the aggregate to the procedure. Therefore, any existing value will not be available to the procedure. The dummy argument will be remapped when control returns from the procedure.

IEN0356I E nnn NO INTERLANGUAGE OPTION IN ttt.

'FORTRAN', 'COBOL', OR 'ASSEMBLER' DOES NOT APPEAR IN 'OPTIONS' SPECIFICATION IN ttt. THE 'FORTRAN' OPTION IS ASSUMED.

IEN0357I E nnn 'FORTRAN' AND 'COBOL' IN ttt.

BOTH 'FORTRAN' AND 'COBOL' APPEAR IN 'OPTIONS' SPECIFICATION IN ttt. 'FORTRAN' IS ASSUMED.

IEN0358I S nnn ddd IS NOT A VALID ARGUMENT.

ARGUMENT REFERENCE ddd IN 'OPTIONS' SPECIFICATION IS OUTSIDE THE PERMITTED RANGE OF ARG1 TO ARG64. IT IS IGNORED.

IEN0359I S nnn NO PARAMETER LIST FOR ddd. OPTIONS IGNORED.

ddd HAS NO PARAMETER LIST. THE PARAMETERS IN THE 'OPTIONS' SPECIFICATION CANNOT BE APPLIED AND ARE

IGNORED.

Explanation: Parameters listed with the NOMAP, NOMAPIN, and NOMAPOUT options must correspond to parameters specified for the same PROCEDURE or ENTRY statement.

IEN0360I E nnn ddd SPECIFIED IN 'NOMAP' OR 'NOMAPIN', AND 'NOMAPOUT'.  
ddd SPECIFIED IN 'NOMAPIN' OR 'NOMAPOUT' OPTION AS WELL AS 'NOMAP' OPTION. THE 'NOMAP' OPTION IS ASSUMED.  
Explanation: NOMAP is equivalent to NOMAPIN and NOMAPOUT combined.

IEN0361I E nnn ddd NOT VALID IN 'ENVIRONMENT' ATTRIBUTE.  
ddd IS NOT A VALID OPTION FOR THE 'ENVIRONMENT' ATTRIBUTE. IT IS IGNORED.

IEN0362I W nnn OBSOLETE RECORD FORMAT SPECIFICATION IN ttt.  
OBSOLETE RECORD FORMAT SPECIFICATION IN 'ENVIRONMENT' ATTRIBUTE IN ttt. BLOCK SIZE AND RECORD LENGTH MUST BE SPECIFIED IN 'BLKSIZE' AND 'RECSIZE' OPTIONS RESPECTIVELY. THE OBSOLETE SPECIFICATION IS ACCEPTED.  
Explanation: The record format has been specified in the way used by the PL/I 'F' compiler. The checkout and optimizing compilers use the BLKSIZE option to specify block size, and the RECSIZE option to specify record length. For example, F(b,1) should now be written as FB BLKSIZE(b) RECSIZE(1).

IEN0363I W nnn OBSOLETE TELEPROCESSING RECORD FORMAT SPECIFICATION IN ttt.  
OBSOLETE TELEPROCESSING RECORD FORMAT SPECIFICATION IN 'ENVIRONMENT' ATTRIBUTE IN ttt. RECORD LENGTH MUST BE SPECIFIED IN 'RECSIZE' OPTION, RECORD FORMAT IN 'TP(M)' OR 'TP(R)' OPTIONS. THE OBSOLETE SPECIFICATION IS ACCEPTED.  
Explanation: The record format for a TRANSIENT file has been specified in the way used by the PL/I 'F' compiler. The format G(b) should now be written as TP(M) RECSIZE(c) where c=b+9, and the format R(b) should now be written as TP(R) RECSIZE(c) where c=b+9.

IEN0364I E nnn NO ARGUMENT FOR 'ENVIRONMENT' OPTION ddd.  
ARGUMENT MISSING FOR 'ENVIRONMENT' OPTION ddd. THE OPTION IS IGNORED.  
Explanation: You have specified the ADDBUF, BLKSIZE, BUFFERS, INDEXAREA, KEYLENGTH, KEYLOC, NCP, or RECSIZE option without an argument.

IEN0365I E nnn ARGUMENTS INVALID FOR ddd 'ENVIRONMENT' OPTION IN ttt.

ddd 'ENVIRONMENT' OPTION IN ttt SHOULD NOT HAVE AN ARGUMENT. THE ARGUMENT IS IGNORED.

Explanation: A parenthesized list follows an option which cannot have an argument.

IEN0366I E nnn ddd NOT A VALID OPTION.

ddd IS NOT A VALID OPTION IN AN 'ENVIRONMENT' SPECIFICATION FOR A 'CLOSE' STATEMENT AND IT IS IGNORED.

Explanation: The ENVIRONMENT option for a CLOSE statement must contain only the LEAVE or REREAD option.

IEN0367I E nnn ddd CONFLICTS WITH ddd IN ddd.

'ENVIRONMENT' OPTION ddd CONFLICTS WITH ddd IN ddd. THE LATTER OPTION IS IGNORED.

Explanation: The specified option may conflict with a previous one (for example, CONSECUTIVE conflicts with INDEXED), or it may be incompatible with a previous one (for example, INDEXAREA is incompatible with CTL360).

IEN0368I S nnn FIXED DECIMAL PICTURE ttt HAS MORE THAN 15 DIGIT POSITIONS.

COMPILER RESTRICTION. THE PRECISION OF THE FIXED-POINT DECIMAL PICTURE ttt IS GREATER THAN 15. THE EXCESS HIGH ORDER DIGIT POSITIONS ARE REPLACED BY BLANK ("B") CHARACTERS.

IEN0369I S nnn MANTISSA OF FLOAT DECIMAL PICTURE ttt HAS MORE THAN 16 DIGIT POSITIONS.

COMPILER RESTRICTION. THE MANTISSA OF THE FLOAT DECIMAL PICTURE ttt IS GREATER THAN 16. THE EXCESS HIGH ORDER DIGIT POSITIONS ARE REPLACED BY BLANK ("B") CHARACTERS.

IEN0370I E nnn ddd IN ttt NOT SUPPORTED.

ddd IN ttt IS NOT SUPPORTED BY THIS COMPILER. IT IS IGNORED.

Explanation: An option that is implemented by another PL/I compiler but not the checkout compiler has been specified.

IEN0371I E nnn ARGUMENTS SPECIFIED FOR ddd OPTION IN ttt.

ARGUMENTS SHOULD NOT BE SPECIFIED FOR THE ddd OPTION IN ttt. THE ARGUMENTS ARE IGNORED.

IEN0372I S nnn OPERATOR MISSING IN ttt.

AN OPERATOR IS MISSING IN ttt. A MULTIPLICATION ('\*') OPERATOR IS ASSUMED.

Explanation: A multiplication-sign has been inserted in the position marked by a question mark in the text printed in the message.

IEN0373I S nnn EXPRESSION MISSING IN ttt.

AN EXPRESSION IS MISSING IN ttt. THE DECIMAL CONSTANT '1' IS ASSUMED.

Explanation: The constant 1 has been assumed in the position marked by a question mark in the text printed in the message.

IEN0374I S nnn ddd INVALID FOR ddd. ddd ASSUMED INSTEAD.

THE ddd OPTION IS INVALID FOR THE ddd STATEMENT. IT IS ASSUMED TO BE A ddd STATEMENT.

Explanation: The compiler has assumed that there has been confusion regarding the use of stream and record I/O statements.

IEN0375I E nnn ttt REPLACED BY ttt IN ttt.

ttt IS NOT A VALID COMPOUND DELIMITER. ttt IS ASSUMED IN ttt INSTEAD.

IEN0376I W nnn STATEMENT INACCESSIBLE.

THIS STATEMENT MAY BE INACCESSIBLE. IT IS UNLABELLED AND THERE IS NO SEQUENTIAL PATH FROM PRECEDING 'IF' STATEMENT OR 'SELECT' GROUP.

IEN0377I E nnn '-' INVALID IN ttt.

'NOT' OPERATOR IN ttt CANNOT BE USED AS AN INFIX OPERATOR. 'NOT EQUAL' IS ASSUMED INSTEAD.

IEN0378I S nnn ttt IGNORED IN ttt.

ttt IN ttt MAY NOT BE USED AS A PREFIX OPERATOR. IT IS IGNORED.

Explanation: Only + and - can be used as prefix operators.

IEN0379I E nnn ddd ASSUMED IN ttt.

ddd ASSUMED IN PLACE OF AN UNRECOGNIZABLE KEYWORD IN ttt.

Explanation: The compiler has assumed that the keyword is incorrectly spelled.

IEN0380I I nnn ttt IMPLIES EXTENDED FLOAT.

ttt IMPLIES THE USE OF EXTENDED FLOATING POINT

PRECISION.

IEN0381I S nnn 'CONDITION' INVALID FOR ddd.

ddd IS A VARIABLE BUT HAS THE 'CONDITION' ATTRIBUTE.  
ATTRIBUTE IGNORED.

Explanation: The CONDITION attribute must not be  
specified if any other attribute indicates that the  
item is a variable.

IEN0382I S nnn 'CONDITION' INVALID FOR ddd. 'DEFAULT' STATEMENT(S).

ddd IS A VARIABLE BUT HAS THE 'CONDITION' ATTRIBUTE.  
THE ATTRIBUTE IS IGNORED. IT IS APPLIED FROM 'DEFAULT'  
STATEMENT(S).

Explanation: The CONDITION attribute must not be  
specified if any other attribute indicates that the  
item is a variable.

IEN0383I E nnn ddd IN ddd LABEL LIST IS NOT A LABEL CONSTANT.

ddd IN LABEL LIST SPECIFIED FOR ddd IS NOT A LABEL  
CONSTANT AND IS IGNORED.

Explanation: Any identifier specified in the argument  
of the LABEL attribute must have been used as a label  
prefix elsewhere in the program.

IEN0384I E nnn ttt INVALID INITIAL VALUE FOR ddd.

INITIAL VALUE ttt CANNOT BE CONVERTED TO THE ATTRIBUTE  
OF ddd. INITIALIZATION IS SUPPRESSED.

IEN0385I S nnn ddd HAS WRONG NUMBER OF DIMENSIONS.

NUMBER OF DIMENSIONS OF ddd IS NOT THE SAME AS THAT OF  
MASTER VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: All array references in an array  
assignment must specify the same number of dimensions.

IEN0386I S nnn ddd HAS WRONG BOUNDS.

BOUNDS OF ddd ARE NOT THE SAME AS THOSE OF MASTER  
VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: All array references in an array  
assignment must have the same bound values for each  
corresponding dimension.

IEN0387I S nnn ddd INVALID IN ARRAY ASSIGNMENT.

TARGET VARIABLE ddd IS AN ELEMENT OR STRUCTURE, WHEREAS  
THE MASTER VARIABLE IS AN ARRAY. THIS MIXTURE IS NOT  
ALLOWED IN A MULTIPLE ASSIGNMENT STATEMENT. STATEMENT  
REPLACED BY 'SIGNAL ERROR'.

Explanation: The first variable in an assignment statement establishes whether it is an array, structure, or element assignment.

IEN0388I S nnn ddd HAS WRONG NUMBER OF '\*' SUBSCRIPTS.

NUMBER OF '\*' SUBSCRIPTS SPECIFIED FOR ddd IS NOT THE SAME AS NUMBER OF DIMENSIONS OF THE MASTER VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: Cross-sections of arrays in an array assignment must have a \* subscript for each dimension of the master variable.

IEN0389I S nnn STRUCTURE ddd IS INVALID ARGUMENT FOR ddd.

THE VARIABLE ddd IS A STRUCTURE AND SO CANNOT BE AN ARGUMENT FOR BUILT-IN FUNCTION ddd. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: Only the ADDR, ALLOCATION, and STRING built-in functions can be passed a structure as an argument.

IEN0390I S nnn ddd INVALID IN STRUCTURE ASSIGNMENT.

USE OF ELEMENT OR ARRAY ddd AS TARGET IS INVALID BECAUSE THE MASTER VARIABLE IN THE ASSIGNMENT STATEMENT IS A STRUCTURE OR AN ARRAY OF STRUCTURES. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The first variable in an assignment statement establishes whether it is an array, structure, or element assignment.

IEN0391I S nnn ddd INVALID IN STRUCTURE ASSIGNMENT.

USE OF ARRAY ddd IS INVALID BECAUSE THE MASTER VARIABLE IN THE ASSIGNMENT STATEMENT IS A STRUCTURE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The first variable in an assignment statement establishes whether it is an array, structure, or element assignment.

IEN0392I S nnn 'BY NAME' ASSIGNMENT REDUNDANT.

EXPANSION OF 'BY NAME' ASSIGNMENT HAS PRODUCED NO ELEMENT ASSIGNMENTS. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: No elements have the same name in the structures specified in the assignment statement.

IEN0393I S nnn ddd INVALID IN ELEMENT ASSIGNMENT.

AGGREGATE ddd SPECIFIED IN AN ELEMENT ASSIGNMENT. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The first variable in an assignment statement establishes whether it is an array, structure, or element assignment.

IEN0394I S nnn ARGUMENT nnn OF ddd INVALID FOR PARAMETER WITH '\*' BOUNDS.  
  
ARGUMENT NUMBER nnn OF PROCEDURE ddd IS NOT AN ARRAY, BUT CORRESPONDING PARAMETER HAS ONE OR MORE DIMENSION BOUNDS SPECIFIED BY '\*'. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The parameter corresponding to the argument specified has a dimension attribute with one or more of the bounds specified as an asterisk. This indicates that the bound will have the value of the corresponding bound of the argument. However, the argument specified is not an array.

IEN0395I S nnn INVALID 'LIKE' SPECIFICATION ddd.  
  
VARIABLE ddd IN 'LIKE' SPECIFICATION IS NOT A STRUCTURE. SPECIFICATION IGNORED.

IEN0396I S nnn UNRESOLVED REFERENCE ddd IN 'LIKE'.  
  
REFERENCE ddd IN 'LIKE' SPECIFICATION CANNOT BE RESOLVED. SPECIFICATION IGNORED.

Explanation: The specified identifier is not known in the block containing the identifier with the LIKE attribute.

IEN0397I S nnn 'LIKE' REFERENCE ddd CONTAINS AT LEAST ONE 'LIKE' ATTRIBUTE.  
  
VARIABLE ddd IN 'LIKE' REFERENCE IS A STRUCTURE THAT CONTAINS AT LEAST ONE 'LIKE' ATTRIBUTE. THESE ATTRIBUTES ARE IGNORED IN THE EXPANSION OF THE 'LIKE' REFERENCE.

Explanation: Nested LIKE attributes are invalid.

IEN0398I S nnn LEVEL NUMBER GREATER THAN THAT OF PRECEDING 'LIKE' ITEM.  
  
LEVEL NUMBER IS GREATER THAN THAT OF PRECEDING ITEM, WHICH HAS THE 'LIKE' ATTRIBUTE. LEVEL NUMBER ASSUMED EQUAL TO PRECEDING ONE.

Explanation: The LIKE attribute specifies that the item is to have the same structure format as another item. Therefore, you must not explicitly specify a structure format for the item. Any item immediately following the item with the LIKE attribute must be of the same or a higher level in the structure.

IEN0399I E nnn IN 'LIKE' EXPANSION, LEVEL NUMBER EXCEEDS 255.

IN THE EXPANSION OF THE 'LIKE' ATTRIBUTE A LEVEL NUMBER GREATER THAN 255 IS GENERATED. VALUE OF 255 ASSUMED FOR THIS LEVEL NUMBER.

Explanation: In the expansion of the LIKE attribute, the compiler may adjust the level numbers of the structure specified in the attribute to enable it to logically fit into any structure containing the item with the LIKE attribute. In doing this, a level number has exceeded 255.

IEN0400I S nnn EXPRESSION CANNOT BE CONVERTED TO ddd.

VALUE OF EXPRESSION TO BE ASSIGNED TO VARIABLE OR PSEUDO-VARIABLE ddd CANNOT BE CONVERTED TO THE ATTRIBUTES OF THIS VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0401I E nnn ARGUMENT nnn OF ddd CANNOT MATCH ddd.

ARGUMENT nnn OF ENTRY NAME ddd CORRESPONDS TO A PARAMETER DESCRIPTOR WHICH HAS THE 'ENTRY' ATTRIBUTE WITHOUT A PARAMETER DESCRIPTOR LIST. GENERIC NAME OR BUILT-IN FUNCTION ddd CANNOT MATCH THIS DESCRIPTOR. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: When a generic name or built-in function is passed as an argument, the corresponding parameter descriptor should have the ENTRY attribute with a parameter descriptor list, since it is this list which determines which generic member is used as the entry name.

IEN0402I E nnn ddd DOES NOT MATCH ENTRY SPECIFICATION.

BUILT-IN FUNCTION ddd DOES NOT MATCH SPECIFICATION OF PARAMETER DESCRIPTOR WITH 'ENTRY' ATTRIBUTE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: If a built-in function without arguments is passed as an argument, and the corresponding parameter descriptor has the ENTRY attribute with a parameter descriptor list, then the built-in function must be a mathematical function, and the parameter descriptor list must specify attributes suitable for a mathematical function.

IEN0403I E nnn DUPLICATE 'LIKE' SPECIFICATION.

MORE THAN ONE 'LIKE' SPECIFICATION. ONLY THE FIRST IS USED.

Explanation: An identifier can have only one LIKE attribute. The attribute factoring may be in error.

IEN0404I E nnn NON-VARIABLE ARGUMENT FOR ddd.

CONSTANT OR EXPRESSION USED AS ARGUMENT FOR PSEUDO-VARIABLE ddd. STATEMENT REPLACED BY 'SIGNAL ERROR'.

- IEN0405I W nnn ARGUMENT nnn OF 'SUBSTR' RESULTS IN INVALID SUBSTRING.  
 VALUE OF ARGUMENT nnn IN 'SUBSTR' BUILT-IN FUNCTION RESULTS IN SUBSTRING NOT WHOLLY CONTAINED WITHIN THE GIVEN STRING. 'STRINGRANGE' CONDITION WILL OCCUR WHEN FUNCTION IS EXECUTED.
- IEN0406I S nnn PARAMETER ddd TO ENTRY ddd MUST NOT BE 'CONTROLLED' FROM 'ddd'.  
 PARAMETER ddd TO ENTRY ddd HAS 'CONTROLLED' STORAGE CLASS WHICH HAS NO EQUIVALENT IN ddd. RESULTS OF EXECUTION UNDEFINED.  
Explanation: FORTRAN and COBOL do not support the controlled storage class; therefore, this variable should not be passed as an argument from PL/I.
- IEN0407I W nnn ATTRIBUTE ddd OF ddd OF ENTRY ddd FROM ddd HAS NO EQUIVALENT IN ddd.  
 ddd IS AN ATTRIBUTE OF PARAMETER ddd OF ENTRY ddd BEING PASSED FROM ddd. THERE IS NO EQUIVALENT IN ddd AND THE PL/I INTERNAL REPRESENTATION IS ASSUMED.
- IEN0408I W nnn ATTRIBUTE ddd OF ARGnnn OF ENTRY ddd BEING PASSED TO ddd HAS NO EQUIVALENT IN ddd.  
 ddd IS AN ATTRIBUTE OF ARGnnn OF ENTRY ddd BEING PASSED TO ddd. THERE IS NO EQUIVALENT IN ddd AND 'PL/I' INTERNAL REPRESENTATION IS USED FOR THIS ARGUMENT.
- IEN0409I E nnn PARAMETER ddd OF ddd FROM ddd HAS '\*' EXTENT.  
 PARAMETER ddd OF ENTRY ddd FROM ddd HAS BEEN INVALIDLY DECLARED WITH '\*' EXTENT. RESULTS OF EXECUTION UNDEFINED.  
Explanation: The asterisk convention for passing the value of bounds to arrays is not recognized by COBOL or FORTRAN.
- IEN0410I W nnn STRING ddd PARAMETER IN ddd FROM ddd IS NOT CONSTANT OR LONGER THAN 256.  
 THE LENGTH OF CHARACTER STRING ddd A PARAMETER IN ENTRY ddd BEING PASSED FROM ddd IS NOT CONSTANT OR IS GREATER THAN 256. 'PL/I' INTERNAL REPRESENTATION IS USED.  
Explanation: Only constant-length strings, not exceeding 256 characters can be passed from COBOL or FORTRAN.
- IEN0411I W nnn ARGnnn OF ENTRY ddd NOT CONSTANT OR GREATER THAN 256. NO EQUIVALENT IN ddd.  
 THE LENGTH OF CHARACTER STRING ARGnnn BEING PASSED TO ENTRY ddd IS NOT CONSTANT OR IS GREATER THAN 256. THERE IS NO DIRECT EQUIVALENT IN ddd. 'PL/I' INTERNAL

REPRESENTATION IS USED.

IEN0412I E nnn BIT STRING ddd TO ENTRY ddd HAS NO EQUIVALENT IN 'FORTRAN'.  
ddd BEING PASSED FROM 'FORTRAN' ENTRY POINT ddd IS NOT BIT(8) OR BIT(32). 'PL/I' INTERNAL REPRESENTATION IS USED.

IEN0413I E nnn BIT STRING ARGnnn TO ENTRY ddd HAS NO EQUIVALENT IN 'FORTRAN'.  
THE LENGTH OF ARGnnn TO 'FORTRAN' ENTRY ddd IS NOT 'BIT(8)' OR 'BIT(32)'. 'PL/I' INTERNAL REPRESENTATION PASSED FOR ARGUMENT.

IEN0414I W nnn PARAMETER ddd OF ddd IS 'FIXED COMPLEX'.  
PARAMETER ddd OF ENTRY ddd HAS ATTRIBUTES 'FIXED COMPLEX'. THIS COMBINATION HAS NO DIRECT EQUIVALENT IN 'FORTRAN' BUT 'PL/I' INTERNAL REPRESENTATION PASSED FOR THE PARAMETER.

IEN0415I W nnn ARGnnn TO ddd IS 'FIXED COMPLEX'.  
ARGnnn TO ENTRY ddd HAS ATTRIBUTES 'FIXED COMPLEX'. THIS COMBINATION HAS NO DIRECT EQUIVALENT IN 'FORTRAN'. 'PL/I' INTERNAL REPRESENTATION PASSED FOR THE ARGUMENT.

IEN0416I W nnn PARAMETER ddd OF ddd HAS NON-ZERO SCALE FACTOR. DATA INVALID TO ddd.  
PARAMETER ddd OF ENTRY ddd HAS A SCALE FACTOR OTHER THAN ZERO. THERE IS NO DIRECT EQUIVALENT IN ddd BUT 'PL/I' INTERNAL REPRESENTATION IS USED FOR THE PARAMETER.

IEN0417I W nnn ARGnnn OF ddd HAS NON-ZERO SCALE FACTOR. DATA INVALID TO ddd.  
ARGnnn OF ENTRY ddd HAS A SCALE FACTOR OTHER THAN ZERO. THERE IS NO DIRECT EQUIVALENT IN ddd. 'PL/I' INTERNAL REPRESENTATION PASSED FOR THE ARGUMENT.

IEN0418I W nnn PARAMETER ddd OF ddd HAS EXTENDED FLOAT PRECISION. NOT SUPPORTED BY 'COBOL'.  
PARAMETER ddd OF ENTRY ddd FROM 'COBOL' HAS BEEN DECLARED WITH A PRECISION OF EXTENDED FLOAT. 'COBOL' DOES NOT SUPPORT THIS PRECISION. 'PL/I' INTERNAL REPRESENTATION IS USED.

IEN0419I W nnn ARGnnn TO ddd HAS PRECISION OF EXTENDED FLOAT. NOT SUPPORTED BY 'COBOL'.  
ARGnnn OF ENTRY ddd BEING PASSED TO 'COBOL' HAS PRECISION OF EXTENDED FLOAT. 'COBOL' DOES NOT SUPPORT

THIS PRECISION 'PL/I' INTERNAL REPRESENTATION PASSED.

IEN0420I I nnn EXTENDED PRECISION PARAMETER ddd OF ddd VALID ONLY FOR 'FORTRAN H' PROGRAMS.

PARAMETER ddd FOR ENTRY ddd HAS EXTENDED PRECISION WHICH IS VALID ONLY FOR 'FORTRAN' PROGRAMS COMPILED BY THE 'FORTRAN H' COMPILER.

IEN0421I I nnn EXTENDED PRECISION ARGnnn OF ddd VALID ONLY FOR 'FORTRAN H' PROGRAMS.

ARGnnn FOR ENTRY ddd HAS EXTENDED PRECISION WHICH IS VALID ONLY FOR 'FORTRAN' PROGRAMS COMPILED BY THE 'FORTRAN H' COMPILER.

IEN0422I E nnn PARAMETER ddd OF ddd IS AN ARRAY.

ddd A PARAMETER OF ENTRY ddd IS AN ARRAY WHICH IS INVALID FOR 'COBOL'. 'PL/I' INTERNAL REPRESENTATION IS USED FOR PARAMETER.

Explanation: Arrays with more than three dimensions are not supported by COBOL.

IEN0423I E nnn ARGnnn OF ddd IS AN ARRAY.

ARGnnn TO ENTRY ddd IS AN ARRAY WHICH IS INVALID FOR 'COBOL'. 'PL/I' INTERNAL REPRESENTATION PASSED FOR ARGUMENT.

Explanation: Arrays with more than three dimensions are not supported by COBOL.

IEN0424I I nnn ccc DATA TYPE OF RETURNED VALUE FROM ddd HAS NO EQUIVALENT IN 'FORTRAN'.

ccc DATA TYPE OF RETURNED VALUE FROM 'PL/I' ENTRY ddd HAS NO DIRECT EQUIVALENT IN 'FORTRAN' BUT THE ENTRY CAN BE INVOKED AS A FUNCTION.

Explanation: The item to be returned has a non-zero scale factor, or is a character string with a length that exceeds 256 characters or is not constant, or is a data type not supported by FORTRAN.

IEN0425I W nnn DATA TYPE ccc RETURNED BY ddd INVALID IN 'FORTRAN'.

DATA TYPE ccc OF RETURNED VALUE FROM 'FORTRAN' FUNCTION ddd HAS NO DIRECT EQUIVALENT IN 'FORTRAN'.

Explanation: The item to be returned has a non-zero scale factor, or is a character string with a length that exceeds 256 characters or is not constant, or is a data type not supported by FORTRAN.

IEN0426I S nnn NO ARGUMENT FOR ddd.

FORTRAN FUNCTION ddd CALLED WITHOUT ARGUMENTS.  
STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: All function procedures in FORTRAN must have at least one argument.

IEN0427I E nnn ARGUMENT OF ddd INVALID.

THE ARGUMENT OF THE ddd BUILT-IN FUNCTION IS NOT CONNECTED, OR INCLUDES UNALIGNED BIT STRINGS IN A MANNER CONTRAVENING THE COMPILER RESTRICTION ON 'INTO', 'FROM', 'ADDR', 'STG', AND 'CSTG'.

Example:

```
A: PROC OPTIONS (MAIN);
   DCL A (10,10), B(10) BIT (1) UNALIGNED,
       P PTR;
P = ADDR (A(*,I));           /*ERROR*/
P = ADDR (A(I,*));
P = ADDR (B);
P = ADDR (B(I));           /*ERROR*/
I = STG (A(*,I));          /*ERROR*/
I = STG (A(I,*));
I = CSTG (B);
I = CSTG (B(I));          /*ERROR*/
```

IEN0428I E nnn INTERNAL ENTRY CONSTANT ddd IN 'DCL'.

AN INTERNAL ENTRY CONSTANT MUST NOT APPEAR IN A 'DECLARE' STATEMENT. DECLARATION OF ddd IGNORED.

Explanation: An internal entry constant is explicitly declared by its use as a label prefix in a PROCEDURE or ENTRY statement.

IEN0429I E nnn ttt USED AS BOUND IN ttt.

ttt CANNOT BE USED AS A BOUND IN THE RANGE SPECIFICATION IN ttt. THIS AND THE ASSOCIATED BOUND ARE ASSUMED TO BE SINGLE ITEMS.

Explanation: The national characters @, \$, and # must not be used in a range pair. They can be specified individually.

IEN0430I W nnn INCORRECT CARRIAGE CONTROL CHARACTER.

THE CHARACTER IN THE CARRIAGE CONTROL COLUMN IS NOT A BLANK, '0', '-', '+', OR '1'.

Explanation: The position of the printer control character is specified in the MARGINS compiler option.

IEN0431I E nnn 'PERCENT' IGNORED.

'PERCENT' SYMBOL USED IN STATEMENT. THE 'MACRO' COMPILER OPTION MAY BE NEEDED. THE SYMBOL IS IGNORED.

Explanation: The % symbol (// in the 48-character set)

may indicate that the MACRO compiler option should have been specified in order to preprocess the program before translation.

EN0432I W nnn SEMICOLON, '/' OR '/' IN CONSTANT.

A SEMICOLON, '/' OR '/' IS USED IN A CONSTANT. A QUOTE MAY BE MISSING.

Explanation: A semicolon or a comment delimiter /\* or \*/ is valid within a character string but may indicate that a quotation mark, ending the character string, has been omitted.

EN0433I W CARRIAGE CONTROL CHARACTER BEYOND END OF RECORD.

RECORD TOO SHORT. CARRIAGE CONTROL CHARACTER POSITION IS BEYOND THE END OF RECORD. NEXT LINE ASSUMED FOR

Explanation: All function procedures in FORTRAN must have at least one argument.

IEN0427I E nnn ARGUMENT OF 'ADDR' INVALID.

THE ARGUMENT OF THE 'ADDR' BUILT-IN FUNCTION IS NOT CONNECTED, OR INCLUDES UNALIGNED BIT STRINGS IN A MANNER CONTRAVENING THE COMPILER RESTRICTION ON 'INTO', 'FROM' AND 'ADDR'.

IEN0428I E nnn INTERNAL ENTRY CONSTANT ddd IN 'DCL'.

AN INTERNAL ENTRY CONSTANT MUST NOT APPEAR IN A 'DECLARE' STATEMENT. DECLARATION OF ddd IGNORED.

Explanation: An internal entry constant is explicitly declared by its use as a label prefix in a PROCEDURE or ENTRY statement.

IEN0429I E nnn ttt USED AS BOUND IN ttt.

ttt CANNOT BE USED AS A BOUND IN THE RANGE SPECIFICATION IN ttt. THIS AND THE ASSOCIATED BOUND ARE ASSUMED TO BE SINGLE ITEMS.

Explanation: The national characters @, \$, and # must not be used in a range pair. They can be specified individually.

IEN0430I W nnn INCORRECT CARRIAGE CONTROL CHARACTER.

THE CHARACTER IN THE CARRIAGE CONTROL COLUMN IS NOT A BLANK, '0', '-', '+', OR '1'.

Explanation: The position of the printer control character is specified in the MARGINS compiler option.

IEN0431I E nnn 'PERCENT' IGNORED.

'PERCENT' SYMBOL USED IN STATEMENT. THE 'MACRO' COMPILER OPTION MAY BE NEEDED. THE SYMBOL IS IGNORED.

Explanation: The % symbol (// in the 48-character set) may indicate that the MACRO compiler option should have been specified in order to preprocess the program before translation.

IEN0432I W nnn SEMICOLON, '/' OR '\*' IN CONSTANT.

A SEMICOLON, '/' OR '\*' IS USED IN A CONSTANT. A QUOTE MAY BE MISSING.

Explanation: A semicolon or a comment delimiter /\* or \*/ is valid within a character string but may indicate that a quotation mark, ending the character string, has been omitted.

IEN0433I W CARRIAGE CONTROL CHARACTER BEYOND END OF RECORD.

RECORD TOO SHORT. CARRIAGE CONTROL CHARACTER POSITION IS BEYOND THE END OF RECORD. NEXT LINE ASSUMED FOR

SOURCE LISTING.

IEN0435I W nnn ',,.'. 'CS(48)' ASSUMED.

48-CHARACTER SET COMPOSITE SYMBOL ',,.'" USED WHERE A SEMICOLON IS EXPECTED AND WHEN CHARSET(60) OPTION APPLIES. CHARSET(48) IS ASSUMED FOR THE REMAINING SOURCE TEXT.

Explanation: Any 48-character set composite symbols used from this point in the program will be converted to the equivalent 60-character set characters. If the program is written in the 60-character set and uses reserved words such as GT, CAT, or AND, errors may result.

IEN0436I S nnn MORE THAN 64 PARAMETER REFERENCES IN OPTION LIST.

COMPILER RESTRICTION. 'NOMAP', 'NOMAPIN' OR 'NOMAPOUT' OPTION REFERENCES MORE THAN 64 PARAMETERS. THOSE AFTER THE 64TH ARE IGNORED.

IEN0437I W nnn IDENTIFIER STARTS WITH BREAK CHARACTER.

'BREAK-CHARACTER' SYMBOL ('\_') IS USED AS THE FIRST LETTER OF AN IDENTIFIER, BUT IS NOT AN ALPHABETIC CHARACTER. IT IS TREATED AS AN ALPHABETIC CHARACTER.

Explanation: The PL/I language states that identifiers must not start with the break character. However, the break character is accepted by the checkout compiler, but not by the optimizing compiler.

IEN0438I W nnn ttt USED WITH 'CS(48)' OPTION.

CHARSET(60) ttt SYMBOL ENCOUNTERED WITH CHARSET(48) OPTION IN EFFECT. SYMBOL ACCEPTED FOR INPUT.

Explanation: The invalid character is accepted with its 60-character set meaning.

IEN0439I S nnn SCALE OF PICTURE ttt IS OUT OF RANGE.

COMPILER RESTRICTION. IN PICTURE ttt, THE SCALING FACTOR AND THE NUMBER OF EXPLICITLY SPECIFIED DIGIT POSITIONS AFTER THE DECIMAL POINT IMPLY A SCALE OUTSIDE THE RANGE -128 TO +127. THE VALUE OF THE NEARER LIMIT IS ASSUMED.

IEN0440I W nnn ONLY ONE 'NOMAPIN' OR 'NOMAPOUT' SPECIFIED IN ttt.

OPTION LIST IN ttt CONTAINS 'NOMAPIN' BUT NOT 'NOMAPOUT', OR 'NOMAPOUT' BUT NOT 'NOMAPIN'.

IEN0441I S nnn NO ddd OPTION FOR ddd STATEMENT.

NO ddd OPTION IS SPECIFIED FOR THIS ddd STATEMENT. EXECUTION OF THE STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN0442I E nnn DIMENSION ATTRIBUTE NOT SPECIFIED FIRST IN ttt.

THE DIMENSION ATTRIBUTE IS NOT THE FIRST ATTRIBUTE SPECIFIED IN ttt. IT IS ASSUMED TO PRECEDE THE OTHER ATTRIBUTES.

Explanation: The PL/I language requires that the dimension attribute is the first attribute specified, otherwise it may be confused with a precision attribute or the argument of an attribute such as CHARACTER. In this case, the format is such that it can only be a dimension attribute, so this is assumed.

IEN0443I E nnn MULTIPLE OPTION LISTS IN ttt.

MORE THAN ONE OPTION LIST HAS BEEN SPECIFIED IN AN I/O STATEMENT IN ttt. AN I/O STATEMENT FOR EACH OPTION LIST IS ASSUMED.

Explanation: More than one complete list of options, separated by commas, has been specified for a PUT, GET, READ, WRITE, REWRITE, LOCATE, DELETE, or UNLOCK statement. The compiler assumes a separate statement for each list.

IEN0444I E nnn ddd INVALID IN OPEN STATEMENT.

The ddd ATTRIBUTE IS INVALID FOR AN 'OPEN' STATEMENT AND IS IGNORED.

IEN0445I S nnn ddd STATEMENT INVALID AS ON-UNIT.

ddd STATEMENT CANNOT BE USED AS AN ON-UNIT. A NULL ON-UNIT IS ASSUMED INSTEAD.

IEN0446I S nnn VARIABLE MISSING OR INVALID IN ttt.

'LOCATE' VARIABLE IN ttt IS MISSING OR IS NOT A SINGLE IDENTIFIER. EXECUTION OF THIS STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN0447I E nnn ddd INVALID IN 'ALLOCATE' STATEMENT.

ddd IS NOT A VALID ATTRIBUTE IN AN 'ALLOCATE' STATEMENT, AND IS IGNORED. (ONLY 'CHAR', 'BIT', 'AREA' AND 'INIT' ARE VALID).

IEN0448I S nnn NO VALID OPTIONS FOR ddd.

NO VALID OPTIONS SPECIFIED FOR ddd STATEMENT. EXECUTION OF THIS STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN0449I E nnn MORE THAN 64 DESCRIPTORS IN GENERIC DESCRIPTOR LIST.

COMPILER RESTRICTION. A GENERIC DESCRIPTOR LIST HAS MORE THAN 64 DESCRIPTORS. ALL DESCRIPTORS AFTER THE 64TH ARE IGNORED.

- IEN0450I E nnn PRECISION SPECIFIED TWICE IN GENERIC DESCRIPTOR.  
THE PRECISION ATTRIBUTE HAS BEEN SPECIFIED TWICE IN A GENERIC DESCRIPTOR. THE FIRST SPECIFICATION IS ASSUMED.
- IEN0451I E nnn ddd CONFLICTS WITH ddd IN GENERIC DESCRIPTOR.  
IN A GENERIC DESCRIPTOR THE ddd ATTRIBUTE CONFLICTS OR IS INCOMPATIBLE WITH THE ddd ATTRIBUTE AND IS IGNORED.
- IEN0452I E nnn SCALE FACTOR CONFLICTS WITH 'FLOAT' IN GENERIC DESCRIPTOR.  
'FLOAT' ATTRIBUTE AND SCALE FACTOR SPECIFIED IN A GENERIC DESCRIPTOR. SCALE FACTOR IS IGNORED.
- IEN0453I E nnn QUALIFIED ddd ATTRIBUTE INVALID IN GENERIC DESCRIPTOR.  
THE QUALIFIED FORM OF THE ddd ATTRIBUTE IS INVALID IN A GENERIC DESCRIPTOR. THE UNQUALIFIED FORM IS ASSUMED.  
Explanation: The AREA, BIT, CHARACTER, ENTRY, LABEL, and OFFSET attributes must not be specified with an argument in a generic descriptor list.
- IEN0454I E nnn ddd INVALID IN GENERIC DESCRIPTOR.  
THE ddd ATTRIBUTE IS INVALID IN A GENERIC DESCRIPTOR AND IS IGNORED.
- IEN0455I S nnn ddd USED AS FUNCTION PROCEDURE.  
'COBOL' OR 'ASSEMBLER' PROCEDURE ddd HAS BEEN SPECIFIED IN A FUNCTION REFERENCE. STATEMENT REPLACED BY 'SIGNAL ERROR'.  
Explanation: A function reference cannot be used to invoke a COBOL or ASSEMBLER procedure.
- IEN0456I E nnn ddd CONTAINS DATA INVALID FOR 'COBOL'.  
RECORD VARIABLE ddd FOR 'COBOL' FILE CONTAINS 'AREA' OR 'BIT' DATA WHICH HAS NO EQUIVALENT IN 'COBOL'. 'PL/I' INTERNAL REPRESENTATION ASSUMED FOR VARIABLE.
- IEN0457I E nnn ARRAY ddd INVALID FOR 'COBOL'.  
RECORD VARIABLE ddd FOR 'COBOL' FILE IS AN ARRAY WHICH HAS NO EQUIVALENT IN 'COBOL'. 'PL/I' INTERNAL REPRESENTATION ASSUMED FOR VARIABLE.  
Explanation: The maximum number of dimensions for COBOL arrays is 3. They are specified in the OCCURS

clause.

IEN0458I W nnn ddd HAS ttt. INVALID FOR 'COBOL'.

RECORD VARIABLE ddd FOR 'COBOL' FILE CONTAINS ttt WHICH HAS NO DIRECT EQUIVALENT IN 'COBOL'. 'PL/I' INTERNAL REPRESENTATION IS USED FOR VARIABLE.

IEN0459I S nnn ARGnnn OF ENTRY ddd IS NOT 'CONNECTED'.

ARGnnn TO ENTRY ddd IS NOT 'CONNECTED' AND THE 'NOMAP' OPTION IS SPECIFIED. RESULTS OF EXECUTION UNDEFINED.

IEN0460I S nnn PARAMETER ddd TO ENTRY ddd IS NOT CONNECTED.

PARAMETER ddd TO ENTRY ddd IS NOT 'CONNECTED' AND THE 'NOMAP' OPTION IS SPECIFIED. RESULTS OF EXECUTION UNDEFINED.

IEN0461I I nnn DATA TYPE RETURNED BY ddd INVALID IN 'FORTRAN'.

DATA TYPE OF RETURNED VALUE FROM 'PL/I' ENTRY ddd IS INVALID FOR 'FORTRAN'. THE ENTRY SHOULD NOT BE INVOKED AS A FUNCTION.

Explanation: If the procedure is invoked by FORTRAN as a subroutine, the invalid value will not be returned.

IEN0462I W nnn DATA TYPE OF RETURNED VALUE FROM ddd IS UNACCEPTABLE TO 'FORTRAN'.

DATA TYPE OF RETURNED VALUE FROM 'FORTRAN' FUNCTION ddd IS INVALID FOR 'FORTRAN'.

IEN0463I E nnn ARGnnn TO 'FORTRAN' ENTRY ddd MAY NOT BE CORRECTLY ALIGNED.

ARGnnn TO ENTRY ddd MAY NOT BE CORRECTLY ALIGNED FOR 'FORTRAN'. RESULTS OF EXECUTION UNDEFINED.

IEN0464I I nnn PARAMETER ddd TO ENTRY ddd MAY NOT BE CORRECTLY ALIGNED FOR 'FORTRAN'.

PARAMETER ddd TO ENTRY ddd MAY NOT BE CORRECTLY ALIGNED FOR 'FORTRAN'. RESULTS OF EXECUTION UNDEFINED.

IEN0465I I nnn ENTRY ddd CANNOT BE INVOKED AS A 'FORTRAN' FUNCTION.

ENTRY ddd HAS NO PARAMETERS. THE ENTRY CANNOT BE INVOKED AS A FUNCTION FROM 'FORTRAN'.

Explanation: A FORTRAN function procedure must have at least one parameter.

IEN0466I 'RETURNS' IGNORED FOR ddd.

THE 'RETURNS' ATTRIBUTE IS REDUNDANT FOR COBOL ENTRY  
ddd BECAUSE COBOL DOES NOT HAVE FUNCTION PROCEDURES.  
ATTRIBUTE IGNORED.

IEN0467I W nnn ddd IS EXTENDED FLOAT. INVALID FOR 'COBOL'.

RECORD VARIABLE ddd FOR 'COBOL' FILE HAS EXTENDED  
FLOATING POINT PRECISION. THIS HAS NO DIRECT EQUIVALENT  
IN 'COBOL'. PL/I INTERNAL REPRESENTATION IS USED FOR  
VARIABLE.

IEN0470I 'SMAN' AND 'NOBJECT' IN EFFECT. 'SMAN' REDUNDANT.

THE 'SMAN' AND 'NOBJECT' OPTIONS HAVE BEEN SPECIFIED  
OR DEFAULTED. THE 'SMAN' OPTION WILL CAUSE THE  
REDUNDANT CREATION OF INTERNAL SOURCE.

IEN0471I INVALID BLOCK SIZE FOR 'SYSUT2'.

BLOCK SIZE FOR 'SYSUT2' IS NOT A MULTIPLE OF THE RECORD  
LENGTH, WHICH IS 84. BLOCK SIZE OF 84 ASSUMED.  
RETURN CODE IS 8.

IEN0472I NO VALUE(S) FOR ddd.

OPTION KEYWORD ddd IS NOT FOLLOWED BY A VALUE LIST, BUT  
IS A KEYWORD REQUIRING SUCH A LIST. DEFAULT VALUE(S)  
ASSUMED.

IEN0473I 'SYSUT2' CANNOT BE OPENED.

'SYSUT2' CANNOT BE OPENED BECAUSE DD STATEMENT FOR THIS  
DATA SET IS INVALID OR MISSING. 'NOMACRO' OPTION  
ASSUMED. RETURN CODE IS 12.

Explanation: If the MACRO compiler option is used, a  
data set for SYSUT2 must be provided.

IEN0474I ddd ONLY VALID AS SUBPARAMETER.

ddd IS A KEYWORD WHICH MAY ONLY BE SPECIFIED AS A  
SUBPARAMETER TO THE 'CHARSET' COMPILER OPTION. KEYWORD  
IS IGNORED.

Explanation: Keywords EBCDIC, BCD, EB, B, 60, and 48  
may only be validly used as subparameters to the  
CHARSET option. Their use as independent options is  
erroneous with this compiler; however, some of the  
keywords could be used in this way with the 'F'  
compiler. The syntax for character set definition has  
changed.

IEN0475I 'SYSPRINT' LRECL TOO SMALL.

RECORD LENGTH FOR 'SYSPRINT' IS LESS THAN THE COMPILER  
MINIMUM OF 125 BYTES. RECORD LENGTH HAS BEEN FORCED TO  
125 BYTES. RETURN CODE IS 8.

IEN0476I 'SYSFORM' DD STATEMENT INVALID OR MISSING.  
 THE 'FORMAT' OPTION APPLIES, BUT DD STATEMENT FOR  
 'SYSFORM' IS INVALID OR MISSING. 'NOFORMAT' OPTION  
 ASSUMED. RETURN CODE IS 12.  
Explanation: If the FORMAT option applies there must  
 be a DD statement for SYSFORM specifying a direct-  
 access device or magnetic tape.

IEN0477I 'SYSUT1' CANNOT BE OPENED.  
 THE TEMPORARY WORKFILE 'SYSUT1' CANNOT BE OPENED  
 BECAUSE THE DD STATEMENT IS INVALID OR MISSING.  
 PROCESSING IS TERMINATED. RETURN CODE IS 16.

IEN0478I 'SYSITEXT' DD STATEMENT INVALID OR MISSING.  
 THE INTERMEDIATE TEXT REQUIRED FOR INTERPRETATION  
 CANNOT BE FOUND BECAUSE THE 'SYSITEXT' DD STATEMENT IS  
 INVALID OR MISSING. PROCESSING TERMINATED. RETURN CODE  
 IS 16.

IEN0479I U nnn UNABLE TO OPEN SYSPLIC.  
 THE LIBRARY DEFINED FOR SYSPLIC CANNOT BE OPENED.  
 COMPILATION IMPOSSIBLE.

IEN0480I INVALID BLOCKSIZE FOR 'SYSPUNCH'.  
 BLOCKSIZE FOR 'SYSPUNCH' IS NOT A MULTIPLE OF THE  
 RECORD LENGTH OF 80. THE 'MDECK' OPTION IS  
 IGNORED. RETURN CODE IS 12.

IEN0481I 'SYSPRINT' BLOCK SIZE INVALID.  
 'SYSPRINT' BLOCK SIZE IS NOT OF THE FORM 4+N\*LRECL.  
 VALUE CALCULATED IS 4+4\*LRECL. RETURN CODE IS 8.

IEN0482I INVALID BLOCKSIZE FOR 'SYSLIN'.  
 BLOCKSIZE FOR 'SYSLIN' IS NOT A MULTIPLE OF THE RECORD  
 LENGTH OF 80. THE 'OBJECT' OPTION IS IGNORED. RETURN  
 CODE IS 12.

IEN0484I ddd CANNOT HAVE ARGUMENT.  
 AN ARGUMENT CANNOT BE SPECIFIED FOR THE ddd OPTION.  
 DEFAULT FOR OPTION ASSUMED.  
Explanation: The message refers to a compiler option  
 specified for the compilation.

IEN0485I RECORD LENGTH FOR 'SYSCIN' (OR 'SYSIN') TOO LARGE.  
 RECORD LENGTH FOR 'SYSCIN' (OR 'SYSIN') EXCEEDS LIMIT  
 OF 100. RETURN CODE IS 16.

Explanation: The record length is specified in the ENVIRONMENT attribute or the DCB parameter of the DD statement, or is taken from the data set label.

IEN0486I

'SIZE' IGNORED ON 'PROCESS' OR 'OPTIONS'.

THE 'SIZE' OPTION HAS BEEN SPECIFIED ON A 'PROCESS' STATEMENT OR 'OPTIONS' SUBCOMMAND. THE OPTION IS IGNORED

Explanation: The SIZE option must not be specified after the compiler has been invoked by an EXEC statement or a PLIC command.

IEN0487I

INVALID DELIMITERS REMOVED FROM OPTIONS LIST.

OPTIONS LIST CONTAINS OBSOLETE SYNTAX. INVALID DELIMITERS HAVE BEEN REPLACED BY BLANKS.

Explanation: The options list has been specified in the way used for the PL/I 'F' compiler. The enclosing parentheses and quotation marks are no longer required.

IEN0488I U

UNABLE TO OPEN SYSPRINT.

UNABLE TO OPEN SYSPRINT.

Explanation: This message is written to the system operator. The DD statement for SYSPRINT is missing or invalid. Compilation is terminated.

IEN0489I

SOURCE INPUT DATA SET EMPTY.

THE SOURCE INPUT DATA SET FOR THE COMPILER CONTAINS NO RECORDS. COMPILATION TERMINATED. RETURN CODE IS 16.

IEN0490I

ARGUMENT FOR ddd SPECIFIED INCORRECTLY.

APOSTROPHES FOR ARGUMENT(S) OF OPTION ddd ARE MISSING OR IN WRONG POSITION. DEFAULT VALUE(S) OF ARGUMENT(S) ASSUMED.

Explanation: This message refers to a compiler option specified for this compilation. The arguments for CONTROL, MARGINI, and NAME must be enclosed in quotation marks.

IEN0491I

'CONTROL' PASSWORD INVALID. COMPILATION TERMINATED.

THE PASSWORD SPECIFIED IN THE 'CONTROL' OPTION DOES NOT MATCH THE EXISTING CHARACTER STRING. COMPILATION TERMINATED.

IEN0492I

'CONTROL' OPTION SHOULD BE FIRST IN LIST. COMPILATION TERMINATED.

THE 'CONTROL' OPTION HAS BEEN SPECIFIED BUT IT IS NOT THE FIRST IN THE OPTION LIST. COMPILATION TERMINATED.

Explanation: If used, the CONTROL compiler option must be the first specified in an option list.

IEN0493I

INVALID BLOCKSIZE FOR 'SYSIN' OR 'SYSCIN'.

BLOCKSIZE SPECIFICATION USED WHEN OPENING FILE 'SYSCIN' OR 'SYSIN' IS NOT AN INTEGRAL MULTIPLE OF RECORD LENGTH. RETURN CODE IS 16.

Explanation: The compiler assumes the blocksize to be the same as the record length.

IEN0494I

'SYSPUNCH' CANNOT BE OPENED. INVALID DC STATEMENT.

'SYSPUNCH' DATA SET CANNOT BE OPENED, BECAUSE THE DD STATEMENT ASSOCIATED WITH THIS DATA SET IS INVALID OR MISSING. 'NOMDECK' OPTION ASSUMED. RETURN CODE IS 12.

Explanation: If the MDECK compiler option is used, a data set for the SYSPUNCH file must be provided.

IEN0495I

INVALID USE OF 'HALT' OPTION.

'HALT' OPTION SPECIFIED WHEN USING COMPILER IN BATCH ENVIRONMENT. 'NOHALT' OPTION ASSUMED.

Explanation: The HALT compiler option can be used only if the compiler is to be run in a TSO environment.

IEN0496I

'SYSITEXT' CANNOT BE OPENED. INVALID DC STATEMENT.

'SYSITEXT' DATA SET CANNOT BE OPENED, BECAUSE DD STATEMENT FOR THIS DATA SET IS INVALID OR MISSING. 'NOOBJECT' OPTION ASSUMED. RETURN CODE IS 8.

Explanation: If the OBJECT compiler option is used, a data set for SYSITEXT must be provided.

IEN0497I

CARRIAGE CONTROL CHARACTER POSITION IGNORED.

CARRIAGE CONTROL CHARACTER POSITION LIES WITHIN THE SPECIFIED OR ASSUMED SOURCE MARGINS OR SEQUENCE FIELD. POSITION IGNORED.

Explanation: The third argument of the MARGINS compiler option, which specifies the position of a printer control character, must not specify a position within that part of the input records used for the PL/I source program.

IEN0498I

NAME IN 'NAME' OPTION TOO LONG.

NAME IN 'NAME' OPTION EXCEEDS EIGHT CHARACTERS. FIRST EIGHT CHARACTERS USED FOR MODULE NAME.

Explanation: This message refers to the NAME compiler option.

IEN0499I           'SYSLIN' CANNOT BE OPENED.

                  'SYSLIN' CANNOT BE OPENED, BECAUSE DD STATEMENT FOR  
THIS DATA SET IS INVALID OR MISSING. 'NOOBJECT' OPTION  
ASSUMED. RETURN CODE IS 8.

Explanation: If the OBJECT compiler option is used, a  
data set for SYSLIN must be provided.

IEN0501I           ERROR IN 'PROCESS' STATEMENT.

                  END-OF-FILE OR FURTHER 'PROCESS' STATEMENT ENCOUNTERED  
WHILE SCANNING FOR SEMI-COLON ON A 'PROCESS' STATEMENT.  
STATEMENT IS IGNORED.

IEN0502I           INVALID ARGUMENT IN COMPILER OPTIONS. nnn USED FOR ddd.

                  COMPILER OPTION SPECIFICATION CONTAINS AN INVALID  
ARGUMENT. DEFAULT VALUE OF nnn USED FOR ddd.

IEN0503I           INVALID SUBPARAMETER FOR ddd.

                  COMPILER OPTIONS SPECIFICATION HAS INVALID  
SUBPARAMETER. DEFAULT ASSUMED FOR KEYWORD ddd.

IEN0504I           UNABLE TO OPEN 'SYSIN'.

                  UNABLE TO OPEN 'SYSIN' FILE, BECAUSE DD STATEMENT FOR  
THIS DATA SET IS INVALID OR MISSING. COMPILATION  
TERMINATED. RETURN CODE IS 16.

IEN0505I           UNRECOGNIZABLE KEYWORD ddd.

                  COMPILER OPTIONS SPECIFICATION INCLUDES UNRECOGNIZABLE  
KEYWORD, WHICH IS IGNORED. KEYWORD IS ddd.

IEN0506I           UNSUPPORTED KEYWORD ddd.

                  COMPILER OPTIONS SPECIFICATION INCLUDES KEYWORD THAT IS  
NOT SUPPORTED BY THIS COMPILER, AND IS IGNORED. INVALID  
KEYWORD IS ddd.

Explanation: The compiler option list contains an  
option that is implemented by another PL/I compiler,  
but not by the checkout compiler.

IEN0507I           OPTIONS DELETED AT SYSTEM GENERATION. ddd.

                  COMPILER OPTIONS SPECIFICATION INCLUDES KEYWORD THAT  
HAS BEEN DELETED AT SYSTEM GENERATION. DEFAULT ASSUMED  
FOR KEYWORD ddd.

Explanation: When the system was generated, the  
compiler option specified was fixed. It can be changed  
only by use of the CONTROL compiler option.

IEN0508I           'TERMINAL' OPTION IGNORED.

                  THE 'TERMINAL' OPTION IS IGNORED IN A BATCH MODE

OPERATION.

Explanation: The TERMINAL compiler option can be used only if the compiler is to be run in a TSO environment.

IEN0509I           INVALID ARGUMENT IN 'MARGINS' OPTION.

AN INVALID ARGUMENT HAS BEEN SPECIFIED FOR THE 'MARGINS' COMPILER OPTION. DEFAULT VALUES HAVE BEEN ASSUMED.

IEN0510I S nnn    PARAMETER ON '\*DATA' STATEMENT TOO LONG.

THE PARAMETER STRING SPECIFIED ON THE '\*DATA' CONTROL STATEMENT EXCEEDS 100 CHARACTERS. IT IS TRUNCATED ON THE RIGHT.

IEN0511I S nnn    INVALID '\*DATA'.

'\*DATA' NOT IMMEDIATELY FOLLOWED BY SEMICOLON OR VALID CHARACTER STRING. INPUT DATA MAY BE LOST.

IEN0512I           ddd NOT FOLLOWED BY ARGUMENT.

ddd SHOULD BE FOLLOWED BY AN ARGUMENT, BUT ONE HAS NOT BEEN SPECIFIED. DEFAULT VALUE OF OPTION IS ASSUMED.

IEN0513I           TOO LATE FOR ddd.

ddd OPTION IGNORED IN 'OPTIONS' OR 'RETRANSLATE' SUBCOMMAND. PROCESSING HAS PASSED THE LAST POINT FOR CHANGING THIS OPTION.

IEN0514I           'SEQUENCE' INVALID.

SPECIFIED OR ASSUMED SEQUENCE FIELD OVERLAPS THE SOURCE MARGINS. 'NOSEQUENCE' OPTION ASSUMED.

IEN0515I S        TRANSLATION COMPLETELY SUPPRESSED BY OPTIONS.

THE 'NOMACRO', 'NOFORMAT', 'NOSOURCE', AND 'NOSYNTAX' OPTIONS COMPLETELY SUPPRESS ALL TRANSLATION ACTIVITY BY THE COMPILER. PROCESSING TERMINATED.

Explanation: It is possible that a prior message has severity such that no compiler processing may be started; for example, NOSYNTAX(E) and a message of error severity from file processing.

IEN0516I           SETTING OF ddd IGNORED.

THE SPECIFICATION OF, OR THE ORIGINAL DEFAULT FOR, OPTION ddd CANNOT BE ACCEPTED WHEN THE 'DATASET'/'FILE' OPTION IS OMITTED FROM THE 'RETRANSLATE' SUBCOMMAND. THE SETTING OF THE OPTION THAT WAS USED WHEN THE PROCEDURE WAS LAST TRANSLATED WITH THE 'SMAN' OPTION IS RETAINED.

IEN0517I           ddd IGNORED, ddd ASSUMED.

THE ddd OPTION CANNOT APPLY WHEN THE 'DATASET'/'FILE' OPTION IS OMITTED FROM THE 'RETRANSLATE' SUBCOMMAND. ddd ASSUMED.

IEN0518I           'NUMBER' INVALID.

THE 'NUMBER' AND 'NOSEQUENCE' OPTIONS HAVE BEEN SPECIFIED OR ASSUMED. THESE OPTIONS CONFLICT. 'NONNUMBER' IS ASSUMED.

IEN0519I           'CONTROL' PASSWORD INVALID. OPTION IGNORED.

THE PASSWORD SPECIFIED IN THE 'CONTROL' OPTION DOES NOT MATCH THE EXISTING CHARACTER STRING. OPTION IGNCRD.

IEN0520I           'CONTROL' OPTION SHOULD BE FIRST IN LIST. OPTION IGNORED.

THE 'CONTROL' OPTION HAS BEEN SPECIFIED, BUT IT IS NOT THE FIRST OPTION IN THE LIST. OPTION IGNORED.

IEN0521I S nnn     PL/I BLOCK REQUIRES ADDRESSING OFFSETS OF THE VALUE nnn.

COMPILER RESTRICTION. STORAGE FOR PL/I BLOCK REQUIRES ADDRESSING OFFSETS OF THE VALUE nnn WHICH IS IN EXCESS OF THE IMPLEMENTATION LIMIT OF 32,767.

Explanation: For further information, see the explanation for message IEN0524I.

IEN0522I S         PL/I STATIC REQUIRES ADDRESSING OFFSETS OF THE VALUE nnn.

COMPILER RESTRICTION. STORAGE FOR PL/I STATIC REQUIRES ADDRESSING OFFSETS OF THE VALUE nnn WHICH IS IN EXCESS OF THE IMPLEMENTATION LIMIT OF 32,767.

Explanation: For further information, see the explanation for message IEN0524I.

IEN0523I S         ADDRESSING OFFSET LIMIT EXCEEDED FOR BLOCK AT nnn.

COMPILER RESTRICTION. ATTACHMENT OF THIS LOGICAL UNIT WOULD CAUSE THE PL/I BLOCK AT nnn TO REQUIRE STORAGE ADDRESSING OFFSETS LARGER THAN 32,767. IF THIS LOGICAL UNIT IS ATTACHED, NO FURTHER EXECUTIONS WILL BE PERMITTED.

Explanation: For further information, see the explanation for message IEN0524I.

IEN0524I U         BLOCK STORAGE ADDRESSING OFFSETS EXCEED IMPLEMENTATION LIMIT.

COMPILER RESTRICTION. THE SIZE OR COMPLEXITY OF THE

PROGRAM IS SUCH THAT A PROCEDURE, BEGIN BLOCK OR STATIC CSECT REQUIRES STORAGE ADDRESSING OFFSETS LARGER THAN 32,767. SEVERE MESSAGES GIVE MORE DETAILS. COMPILATION TERMINATED.

Explanation: There is an implementation restriction on the compiler of 32,767 bytes for the storage requirements of a procedure or begin block or static csect for locator/descriptors, compiler-generated pointers and the data areas for simply addressed variables (that is, variables which are not character, bit, area, dimensioned or structured). The insertion of new begin blocks into suitable places in the program should reduce the storage requirements of existing blocks.

IEN0551I E nnn NO STRUCTURES ON RIGHT-HAND SIDE OF BY NAME ASSIGNMENT.

THE RIGHT-HAND SIDE OF A BY NAME ASSIGNMENT IS NOT A STRUCTURE EXPRESSION. IF MULTIPLE ASSIGNMENT, VALUE IS ASSIGNED ONLY TO THOSE ELEMENTS OF THE TARGET STRUCTURES THAT HAVE COMMON NAMES. OTHERWISE VALUE IS ASSIGNED TO ALL ELEMENTS.

IEN0552I S nnn ddd HAS WRONG NUMBER OF DIMENSIONS.

NUMBER OF DIMENSIONS OF ARRAY ddd IS NOT THE SAME AS NUMBER FOR FIRST ARRAY IN EXPRESSION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: All array references in an expression, in a data list or an argument, must have the same number of dimensions.

IEN0553I S nnn ddd HAS WRONG NUMBER OF '\*' SUBSCRIPTS.

NUMBER OF '\*' SUBSCRIPTS OF ARRAY ddd IS NOT THE SAME AS NUMBER OF DIMENSIONS OF FIRST ARRAY REFERENCE IN EXPRESSION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: Cross-sections of arrays in an expression, in a data list or an argument, must have a \* subscript for each dimension specified in the first array reference in the expression.

IEN0554I S nnn ddd HAS WRONG BOUNDS.

BOUNDS OF ARRAY ddd ARE NOT THE SAME AS THOSE OF FIRST ARRAY IN EXPRESSION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: All array references in an expression, in a data list or an argument, must have the bound values for each corresponding dimension.

IEN0555I S nnn ddd HAS WRONG STRUCTURE ORGANIZATION.

STRUCTURE ORGANIZATION OF ddd IS NOT THE SAME AS MASTER VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: All structures used in an assignment statement must have the same structure format.

IEN0556I S nnn ddd HAS WRONG STRUCTURE ORGANIZATION.

STRUCTURE ORGANIZATION OF ddd IS NOT THE SAME AS FIRST STRUCTURE IN EXPRESSION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: All structures used in an expression, in a data list or an argument, must have the same structure format.

IEN0557I E nnn 'BY NAME' USED IN NON-STRUCTURE ASSIGNMENT.

MASTER VARIABLE IN A 'BY NAME' ASSIGNMENT IS NOT A STRUCTURE. 'BY NAME' OPTION IGNORED.

Explanation: The BY NAME option is valid only in a structure assignment.

IEN0558I E nnn 'RETURNS' FOR ddd CONTAINS ddd WITH INVALID EXTENT.

COMPILER RESTRICTION. 'RETURNS' ATTRIBUTE FOR ddd CONTAINS THE ddd ATTRIBUTE WITH AN EXTENT THAT IS NOT A DECIMAL INTEGER CONSTANT. THE DEFAULT VALUE IS ASSUMED.

IEN0559I S nnn FILE ddd IS ddd ddd BUT HAS NO ddd ATTRIBUTE.

FILE ddd IS DECLARED AS ddd ddd, BUT DOES NOT HAVE THE ddd ATTRIBUTE. 'UNDEFINEDFILE' CONDITION WILL BE RAISED IF AN ATTEMPT IS MADE TO OPEN THE FILE.

IEN0560I S nnn EXTENT FOR ddd IS AN EXPRESSION WITHOUT 'REFER'. nnn ASSUMED.

COMPILER RESTRICTION. STRING OR AREA EXTENT FOR BASED VARIABLE ddd HAS BEEN SPECIFIED AS AN EXPRESSION BUT DOES NOT HAVE THE 'REFER' OPTION. EXTENT VALUE nnn ASSUMED.

Explanation: The REFER option is used to store the value of a variable extent for each allocation of a based variable. This enables the correct extent to be used for any subsequent reference to a particular allocation. If no REFER option is used, a constant is assumed for the extent.

IEN0561I S nnn STRING OR AREA ddd HAS INVALID EXTENT. nnn ASSUMED. DEFAULT STATEMENT(S) nnn.

EXTENT OF BASED STRING OR AREA ddd IS NOT A DECIMAL INTEGER CONSTANT OR, IF PART OF A STRUCTURE, DOES NOT INCLUDE THE 'REFER' OPTION. EXTENT VALUE nnn ASSUMED. ORIGINAL EXTENT DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

Explanation: The REFER option is used to store the value of a variable extent for each allocation of a

based variable. This enables the correct extent to be used for any subsequent reference to a particular allocation. If no REFER option is used, a constant is assumed for the extent.

IEN0562I S nnn ddd HAS INVALID BOUND FOR DIMENSION nnn. nnn ASSUMED.  
BASED ARRAY ddd HAS A BOUND IN DIMENSION nnn WHICH IS NOT A DECIMAL INTEGER CONSTANT OR, IF PART OF A

STRUCTURE, DOES NOT INCLUDE THE 'REFER' OPTION. BOUND VALUE nnn ASSUMED.

Explanation: The REFER option is used to store the value of a variable extent for each allocation of a based variable. This enables the correct extent to be used for any subsequent reference to a particular allocation. If no REFER option is used, a constant is assumed for the extent.

IEN0563I S nnn ddd HAS INVALID BOUND FOR DIMENSION nnn. nnn ASSUMED. 'DEFAULT' STATEMENT nnn.

BASED ARRAY ddd HAS A BOUND IN DIMENSION nnn WHICH IS NOT A DECIMAL INTEGER CONSTANT OR, IF PART OF A STRUCTURE, DOES NOT INCLUDE THE 'REFER' OPTION. BOUND VALUE nnn ASSUMED. DIMENSIONS DERIVED FROM 'DEFAULT' STATEMENT nnn.

Explanation: The REFER option is used to store the value of a variable extent for each allocation of a based variable. This enables the correct extent to be used for any subsequent reference to a particular allocation. If no REFER option is used, a constant is assumed for the extent.

IEN0564I S nnn 'RETURNS' FOR nnn CONTAINS INVALID EXTENT. nnn ASSUMED. DEFAULT STATEMENT(S) nnn.

COMPILER RESTRICTION. 'RETURNS' ATTRIBUTE FOR ENTRY nnn CONTAINS STRING OR AREA WITH AN EXTENT THAT IS NOT A DECIMAL INTEGER CONSTANT. EXTENT VALUE nnn ASSUMED. ORIGINAL EXTENT DERIVED FROM 'DEFAULT' STATEMENT(S) nnn.

IEN0565I S nnn AGGREGATE EXPRESSION USED IN ttt.

IN ttt, AN AGGREGATE EXPRESSION HAS BEEN USED INSTEAD OF AN ELEMENT EXPRESSION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0566I S nnn ddd DEPENDS ON ddd.

DECLARATION OF ddd DEPENDS UPON ddd WHICH IS INITIALIZED AFTER IT. RESULTS ARE UNDEFINED.

Explanation: Elements of a structure are initialized in the order in which they appear. Therefore, the INITIAL attribute of one item must not refer to an item later in the same structure.

IEN0567I E nnn VALUE IN ddd IS LESS THAN nnn.

VALUE SPECIFIED IN ddd IS LESS THAN THE MINIMUM PERMITTED VALUE nnn. VALUE NOT CHANGED BUT ERROR MAY OCCUR AT EXECUTION TIME.

IEN0568I S nnn INVALID USE OF ddd.

THE PSEUDO-VARIABLE ddd HAS BEEN USED AS OTHER THAN THE

TARGET OF AN ASSIGNMENT STATEMENT. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0569I E nnn ISUB-DEFINED ARRAY ddd USED AS ARGUMENT TO ddd.

ARRAY ddd IS ISUB-DEFINED SO MAY NOT BE USED AS AN ARGUMENT TO THE BUILTIN FUNCTION ddd. THE DEFINED ARRAY WILL BE ASSIGNED TO A DUMMY ARGUMENT.

IEN0570I E nnn MULTIPLE INITIAL VALUES FOR ddd.

'INITIAL' ATTRIBUTE FOR ELEMENT VARIABLE ddd CONTAINS AN ITERATION FACTOR OR MORE THAN ONE INITIAL VALUE. ITERATION FACTOR OR INITIAL VALUES AFTER THE FIRST ARE IGNORED.

IEN0571I S nnn 'RETURN' VALUE CANNOT BE CONVERTED TO REQUIRED ATTRIBUTES.

VALUE TO BE RETURNED CANNOT BE CONVERTED TO THE ATTRIBUTES SPECIFIED IN THE 'RETURNS' OPTION FOR ANY ENTRY POINT, OR TO THE ATTRIBUTES ASSUMED BY DEFAULT FROM THE INITIAL LETTER OF THE ENTRY NAME. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0572I I nnn NOT ENOUGH SPACE TO SORT AGGREGATE-LENGTH TABLE.

THE COMPILER HAS INSUFFICIENT MAIN STORAGE SPACE TO SORT THE ITEMS IN THE AGGREGATE-LENGTH TABLE. THE TABLE WILL BE PRODUCED UNSORTED.

IEN0573I I nnn 'ALLOCATION' WILL RETURN 'FIXED BINARY(15,0)' VALUE.

VALUE RETURNED BY 'ALLOCATION' BUILT-IN FUNCTION WILL HAVE 'FIXED BINARY(15,0)' ATTRIBUTES. 'F' COMPILER ALWAYS RETURNED A 'BIT(1)' VALUE.

IEN0574I I nnn ddd WILL RETURN 'FIXED' VALUE.

VALUE RETURNED BY ddd BUILT-IN FUNCTION WILL HAVE 'FIXED' ATTRIBUTE. 'F' COMPILER ALWAYS RETURNED A 'FLOAT' VALUE.

IEN0575I E nnn 'DISPLAY' ELEMENT TOO LONG.

COMPILER RESTRICTION. ELEMENT SPECIFIED IN 'DISPLAY' STATEMENT EXCEEDS 126 CHARACTERS. AN ERROR MAY RESULT AT EXECUTION TIME.

IEN0576I E nnn TOO MANY SIGNIFICANT DIGITS SPECIFIED IN ttt FORMAT ITEM.

COMPILER RESTRICTION. ttt FORMAT ITEM SPECIFIES TOO MANY SIGNIFICANT DIGITS. LIMIT IS 17 (OR 34 IF EXTENDED PRECISION VARIABLES USED IN PROGRAM). AN ERROR MAY RESULT AT EXECUTION TIME.

IEN0578I S nnn EXIT ddd FOR ddd DOES NOT ACCEPT OR RETURN A CHARACTER STRING.

THE EXIT PROCEDURE ddd SPECIFIED IN THE CALL TO ddd HAS EITHER A PARAMETER OR A 'RETURN' DATA TYPE WHICH IS NOT A CHARACTER STRING.

Explanation: The Sort/Merge program passes arguments, and receives return values, only in the form of character strings. If you want to use other data types, you can use the DEFINED attribute to define the item on a character string.

IEN0579I S nnn ddd NOT EXTERNAL ENTRY CONSTANT.

ddd IN 'FETCH' OR 'RELEASE' STATEMENT IS NOT AN EXTERNAL ENTRY CONSTANT. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0580I W nnn DUMMY FOR ddd OF ddd FROM ccc.

AN INTERLANGUAGE DUMMY ARGUMENT WILL BE USED FOR PARAMETER ddd OF ENTRY POINT ddd. IT WILL CONTAIN THE PL/I INTERNAL REPRESENTATION OF THE ccc MAPPING.

IEN0581I W nnn DUMMY FOR ARGnnn OF ddd FOR ccc.

AN INTERLANGUAGE DUMMY ARGUMENT WILL BE USED FOR ARGnnn OF ENTRY POINT ddd. IT WILL CONTAIN THE ccc MAPPING OF THE PL/I INTERNAL REPRESENTATION.

IEN0582I E nnn PARAMETER ddd OF ddd IS A STRUCTURE. NO MAPPING PERFORMED.

PARAMETER ddd OF ENTRY ddd IS A STRUCTURE. STRUCTURES ARE NOT SUPPORTED BY 'FORTRAN'. NO MAPPING IS PERFORMED. PL/I INTERNAL REPRESENTATION IS ASSUMED.

IEN0583I E nnn ARGnnn OF ddd IS A STRUCTURE. NO MAPPING PERFORMED.

ARGnnn OF ENTRY ddd IS A STRUCTURE. STRUCTURES ARE NOT SUPPORTED BY 'FORTRAN'. NO MAPPING IS PERFORMED. PL/I INTERNAL REPRESENTATION IS PASSED.

IEN0584I E nnn ddd ASSUMED TO BE 'EXTERNAL ENTRY'.

ddd HAS NOT BEEN EXPLICITLY DECLARED. 'EXTERNAL ENTRY RETURNS (FLOAT(6))' ASSUMED.

IEN0585I S nnn 'BUILTIN' FOR ddd INVALID.

ddd HAS BEEN DECLARED 'BUILTIN' BUT IS NOT THE NAME OF A BUILTIN FUNCTION OR SUBROUTINE. DECLARATION IGNORED.

IEN0586I W nnn 'PLITABS' NOT VALID FOR TAB TABLE.

'PLITABS' NOT DECLARED AS A STRUCTURE. IT WILL NOT BE

USED FOR TAB TABLE.

IEN0587I W nnn TOO FEW ELEMENTS IN 'PLITABS' FOR TAB TABLE.

STRUCTURE 'PLITABS' CONTAINS LESS THAN 4 ELEMENTS.  
'PLITABS' NOT USED FOR TAB TABLE.

IEN0588I W nnn ddd NOT VALID FOR TAB TABLE.

IN DECLARATION OF 'PLITABS', ddd IS NOT INITIALIZED  
WITH A DECIMAL INTEGER CONSTANT. 'PLITABS' NOT USED  
FOR TAB TABLE.

IEN0589I W nnn ddd NOT VALID FOR TAB TABLE.

IN DECLARATION OF 'PLITABS', ddd IS NOT A SCALAR ITEM  
WITH ATTRIBUTES 'FIXED BINARY (15,0)'. 'PLITABS' NOT  
USED FOR TAB TABLE.

IEN0590I W nnn VALUE OF ddd NOT VALID FOR TAB TABLE.

IN DECLARATION OF 'PLITABS', OFFSET SPECIFIED IN ddd IS  
NOT 8, 10, 12, OR 14. 'PLITABS' NOT USED FOR TAB  
TABLE.

IEN0591I W nnn VALUE OF ddd NOT VALID FOR TAB TABLE.

IN DECLARATION OF 'PLITABS', NUMBER OF TABS SPECIFIED  
IN ddd EXCEEDS THE NUMBER OF ELEMENTS FOLLOWING IN THE  
STRUCTURE. 'PLITABS' NOT USED FOR TAB TABLE.

IEN0592I W nnn 'CHECK' FOR ddd CAN APPLY ONLY TO CURRENT EXTERNAL  
PROCEDURE.

EXTERNAL ENTRY ddd GIVEN 8-CHARACTER REPRESENTATION.  
'CHECK' CONDITION CAN BE RAISED FOR THIS ITEM ONLY IN  
THE CURRENT EXTERNAL PROCEDURE.

IEN0593I W nnn ASSIGNMENT TO STATIC ITEM ddd IN REENTRANT PROCEDURE.

THE STATIC VARIABLE ddd IS THE TARGET OF AN ASSIGNMENT  
STATEMENT IN A REENTRANT PROCEDURE. STATEMENT  
TRANSLATED WITHOUT CHANGE.

IEN0594I E nnn 'POSITION' VALUE FOR ddd INVALID.

COMPILER RESTRICTION. VALUE OF 'POSITION' ATTRIBUTE  
FOR STRING OVERLAY DEFINED 'BIT' ITEM ddd IS NOT A  
DECIMAL INTEGER CONSTANT. ERRORS MAY OCCUR AT  
EXECUTION TIME.

IEN0595I E nnn BASE OF ddd IS AN ARRAY ELEMENT.

COMPILER RESTRICTION. BASE OF STRING OVERLAY DEFINED  
'BIT' ITEM ddd IS AN ELEMENT OF AN ARRAY. ERRORS MAY  
OCCUR AT EXECUTION TIME.

IEN0596I S nnn 'FETCH'/'RELEASE' ddd INVALID.  
 ENTRY POINT ddd SPECIFIED IN 'FETCH' OR 'RELEASE'  
 STATEMENT IS KNOWN WITHIN THE SCOPE OF THE CURRENT  
 BLOCK. 'ERROR' CONDITION WILL BE RAISED AT EXECUTION  
 TIME.

IEN0597I W nnn ddd NOT SUPPORTED.  
 THE ddd BUILT-IN FUNCTION IS ONLY SUPPORTED BY THE  
 OPTIMIZING COMPILER. STATEMENT WILL BE IGNORED WITH A  
 DIAGNOSTIC MESSAGE AT EXECUTION.

IEN0598I S nnn ddd INVALID SUBSCRIPT.  
 AGGREGATE ddd IS USED IN AN ARRAY SUBSCRIPT. STATEMENT  
 REPLACED BY 'SIGNAL ERROR'.

IEN0599I S nnn INVALID USE OF MULTITASKING OPTION.  
 MULTITASKING OPTIONS ARE NOT PERMITTED FOR CALLS TO  
 BUILT-IN SUBROUTINES. STATEMENT REPLACED BY 'SIGNAL  
 ERROR'.

IEN0600I E nnn 'REFER' ddd RESOLVED AS ddd.  
 AMBIGUOUS REFERENCE REFER ITEM ddd, RESOLVED AS ddd.

IEN0601I ttt NOT SUBCOMMAND.  
 ttt IS NOT A CHECKER SUBCOMMAND OR TSO COMMAND ALLOWED  
 IN TSO SUBMODE. THE REMAINDER OF THE LINE IS IGNORED.  
Explanation: This message applies to conversational  
 input. Enter 'HELP' for a list of subcommands valid at  
 this point.

IEN0602I NO AT-UNIT TO TURN OFF.  
 THERE IS NO AT-UNIT AT THE POSITION REFERENCED BY THE  
 'OFF' SUBCOMMAND. SUBCOMMAND IGNORED.  
Explanation: This message is issued when the OFF  
 subcommand specifies a statement that has no at-unit  
 attached to it; the message is also issued if you enter  
 an OFF subcommand without an operand, and there are no  
 at-units attached to the current external procedure.

IEN0603I TEXT AFTER 'GO' IGNORED.  
 ANY TEXT FOLLOWING 'GO' ON THE SAME LOGICAL LINE CANNOT  
 BE REACHED AND IS IGNORED.

IEN0605I OPERAND FOR ttt NOT ALLOWED.

THE ttt SUBCOMMAND MAY NOT HAVE AN OPERAND. THE  
REMAINDER OF THE LINE IS IGNORED. FOR MORE INFORMATION  
ENTER 'HELP' FOLLOWED BY THE SUBCOMMAND NAME.

IEN0608A

CONFIRM 'END'.

ENTER 'YES', 'Y', OR 'END' TO CONFIRM THAT YOU WISH TO  
RETURN TO THE COMMAND LEVEL.

Explanation: To avoid unintentional termination of the  
compiler, you must confirm an END subcommand by  
entering YES, Y, or END. If you enter anything else,  
the END subcommand, and all input following it on the  
same line, is ignored and the new input is processed.

IEN0609I

ddd IS TERMINAL.

FILE ddd IS ALLOCATED TO YOUR TERMINAL. 'MONITOR' OR  
'NOMONITOR' SUBCOMMAND WILL HAVE NO EFFECT.

IEN0610I

nnn STATEMENTS LEFT.

STEP COUNT FOR CURRENT TASK WILL BE EXHAUSTED AFTER A  
FURTHER nnn STATEMENTS.

Explanation: This message is produced in response to  
STEP ?;

IEN0611I

TARGET NOT ACCESSIBLE.

THE OPERAND OF THE 'QUALIFY' SUBCOMMAND IDENTIFIES  
EITHER A NON-ACTIVE INTERNAL BLOCK OR AN EXTERNAL  
PROCEDURE THAT HAS NOT BEEN ACTIVATED DURING THIS  
EXECUTION.

Explanation: The operand of the QUALIFY subcommand  
must be either the name of a label prefix on an ENTRY  
or PROCEDURE statement known within the current scope  
and existing in an active block translated by the  
checkout compiler, or the name of an ENTRY or PROCEDURE  
statement in an external procedure that has been  
activated during the current execution.

IEN0612I

TARGET NOT IN PROGRAM OR NOT IN CHECKOUT-TRANSLATED  
PROCEDURE.

THE OPERAND OF THE 'QUALIFY' SUBCOMMAND IDENTIFIES AN  
ITEM THAT IS NOT IN THE PROGRAM OR NOT IN A PROCEDURE  
TRANSLATED BY THE CHECKOUT COMPILER. SUBCOMMAND  
IGNORED.

Explanation: The operand of the QUALIFY subcommand  
must be either the name of a label prefix on an ENTRY  
or PROCEDURE statement known within the current scope  
and existing in an active block translated by the  
checkout compiler, or the name of an ENTRY or PROCEDURE  
statement in an external procedure that has been  
activated during the current execution.

IEN0613I

TARGET NOT A BLOCK OR ENTRY.

THE OPERAND OF THE 'QUALIFY' SUBCOMMAND IDENTIFIES AN ITEM THAT IS NOT A BLOCK OR ENTRY. NO ALTERNATIVE EXISTS IN AN INVOKING BLOCK. SUBCOMMAND IGNORED.

Explanation: The operand of the QUALIFY subcommand must be either the name of a label prefix on an ENTRY or PROCEDURE statement known within the current scope and existing in an active block translated by the checkout compiler, or the name of an ENTRY or PROCEDURE statement in an external procedure that has been activated during the current execution.

IEN0614I

TARGET NOT A BLOCK OR ENTRY. ONE IN AN INVOKING BLOCK USED.

THE OPERAND OF THE 'QUALIFY' SUBCOMMAND IDENTIFIES AN ITEM THAT IS NOT A BLOCK OR ENTRY. HOWEVER A BLOCK OR ENTRY WITH THE SAME NAME DOES EXIST IN AN INVOKING BLOCK AND HAS BEEN USED.

Explanation: The operand of the QUALIFY subcommand must be either the name of a label prefix on an ENTRY or PROCEDURE statement known within the current scope and existing in an active block translated by the checkout compiler, or the name of an ENTRY or PROCEDURE statement in an external procedure that has been activated during the current execution. You have specified a name that is not valid in the current scope, but is valid in an invoking block, so the latter has been used.

EN0615I

TARGET NOT KNOWN. BLOCK OR ENTRY IN AN INVOKING BLOCK USED.

THE OPERAND OF THE 'QUALIFY' SUBCOMMAND DOES NOT IDENTIFY AN ITEM KNOWN AT THIS POINT. HOWEVER A BLOCK OR ENTRY WITH THE SAME NAME DOES EXIST IN AN INVOKING BLOCK AND HAS BEEN USED.

Explanation: The operand of the QUALIFY subcommand must be either the name of a label prefix on an ENTRY or PROCEDURE statement known within the current scope and existing in an active block translated by the checkout compiler, or the name of an ENTRY or PROCEDURE statement in an external procedure that has been activated during the current execution. You have specified a name that is not known in the current scope, but is valid in an invoking block, so this has been used.

IEN0616I

ttt NOT KNOWN.

ttt HAS BEEN SPECIFIED AS THE OPERAND OF THE 'MONITOR' OR 'NOMONITOR' SUBCOMMAND, BUT IT IS NOT KNOWN IN THE CURRENT SCOPE. SUBCOMMAND IGNORED.

IEN0617I

ddd NOT STREAM OUTPUT FILE.

ddd HAS BEEN SPECIFIED AS THE OPERAND OF THE 'MONITOR'

OR 'NOMONITOR' SUBCOMMAND, BUT IT IS NOT A STREAM  
OUTPUT FILE. SUBCOMMAND IGNORED.

IEN0618I

PREVIOUS INPUT IGNORED.

INPUT ENTERED ON A PREVIOUS LINE IS BEING IGNORED  
BECAUSE NEW INTERACTION IS STARTING.

IEN0620I

OPERAND FOR 'MON' OR 'NMON' NOT ALLOWED.

THE 'MONITOR' OR 'NOMONITOR' SUBCOMMAND MAY NOT HAVE AN  
OPERAND DURING PRIMARY TRANSLATION. THE SUBCOMMAND AND  
THE REMAINDER OF THE LINE ARE IGNORED.

IEN0621I

ttt NOT CURRENTLY VALID.

THE ttt SUBCOMMAND IS NOT CURRENTLY VALID. THE  
REMAINDER OF THE LINE IS IGNORED. TO OBTAIN A LIST OF  
VALID SUBCOMMANDS ENTER 'HELP'.

IEN0622I

PROLOGUE ACTIVITY INCOMPLETE.

PROLOGUE ACTIVITY FOR ONE OR MORE PL/I BLOCKS IN THE  
CURRENT SCOPE IS INCOMPLETE. THE USE OF AUTOMATIC OR  
DEFINED VARIABLES OR PARAMETERS DECLARED IN ANY SUCH  
BLOCKS MAY RESULT IN ERRORS.

IEN0631I

INVALID OPERAND FOR 'HELP'.

'HELP' SUBCOMMAND IS NOT FOLLOWED BY A MESSAGE NUMBER  
OR SUBCOMMAND NAME. FOR AN EXPLANATION OF THIS  
SUBCOMMAND, ENTER 'HELP HELP'.

IEN0637I

'GO' INVALID. 'END' ASSUMED.

'GO' SUBCOMMAND IS INVALID IN THIS CASE SINCE  
PROCESSING CANNOT CONTINUE. 'END' SUBCOMMAND ASSUMED.

IEN0639I

nnn NON-EXISTENT.

nnn IS NOT THE NUMBER OF A MESSAGE USED BY THE  
COMPILER.

IEN0641I

NO CHECKER PROCEDURE ACTIVE. ENTER 'GO' TO CONTINUE.

NO PROCEDURE COMPILED BY THE CHECKOUT COMPILER IS

ACTIVE IN THIS TASK. THE 'GO' SUBCOMMAND WILL CAUSE EXECUTION TO CONTINUE.

IEN0643I E nnn MORE FRACTIONAL THAN SIGNIFICANT DIGITS IN E-FORMAT ITEM.

THE NUMBER OF SIGNIFICANT DIGITS IS NOT LARGE ENOUGH TO CONTAIN THE NUMBER OF FRACTIONAL DIGITS SPECIFIED IN E-FORMAT ITEM.

IEN0644I S nnn REMOTE FORMAT ITEM ddd NOT IN SAME BLOCK.

REMOTE FORMAT ITEM ddd IS NOT IN SAME BLOCK AS 'EDIT' STATEMENT. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The label constant in the remote format item must be declared in the same block as the EDIT statement that refers to it.

IEN0645I W nnn ddd IN ddd 'RECORD' STATEMENT MAY OVERWRITE USEFUL DATA.

ddd IN ddd 'RECORD' STATEMENT HAS AN UNALIGNED BIT STRING AT START OR END WHICH MAY OVERWRITE USEFUL DATA.

IEN0646I E nnn 'EDIT' ASSUMED IN ttt.

MORE THAN ONE 'DATA' or 'FORMAT' LIST FOUND IN 'PUT' OR 'GET' STATEMENT. 'EDIT' IS ASSUMED IN ttt.

Explanation: In a GET or PUT statement, where LIST or DATA is stated (or LIST is implied by omission), more than one data (or format) list has been found; they are not separated by commas. The statement is changed to one having the EDIT option.

IEN0647I W nnn 'DISPLAY' STRING MAY BE TRUNCATED.

ELEMENT SPECIFIED IN 'DISPLAY' STATEMENT EXCEEDS 72 CHARACTERS. IT MAY BE TRUNCATED IF MULTIPLE CONSOLE SUPPORT IS BEING USED.

Explanation: The multiple console support feature allows only 72 characters to be displayed.

IEN0648I E nnn EXIT ddd FOR ddd DOES NOT ACCEPT OR RETURN A FIXED CHARACTER STRING.

THE EXIT PROCEDURE ddd SPECIFIED IN THE CALL TO ddd HAS EITHER A PARAMETER OR 'RETURN' DATA TYPE WHICH IS NOT A FIXED CHARACTER STRING. AN ERROR MAY RESULT AT EXECUTION TIME.

Explanation: SORT uses only fixed character strings in its interface with E35 type exit routines. Therefore, the PL/I procedures specified as exit routines must be written to handle records in that form.

IEN0649I W nnn    EXTERNAL ENTRY ddd STARTS WITH 'IHE'.  
 EXTERNAL ENTRY ddd STARTS WITH 'IHE'. THIS PREFIX WAS  
 USED BY THE PL/I F LIBRARY FOR VARIOUS IMPLEMENTATION  
 DEPENDENT OUTPUT.  
Explanation: F compiler subroutines commence with the  
 characters 'IHE', and therefore it is likely that the  
 program has not been correctly converted for use with  
 the checkout compiler.

IEN0650I I nnn    ddd IS NOT A STATEMENT IN CURRENT PROCEDURE.  
 STATEMENT IDENTIFIED BY ddd IS NOT IN THE CURRENT  
 EXTERNAL PROCEDURE. SUBCOMMAND IGNORED.  
Explanation: If you want to refer to the specified  
 statement, you must first enter a QUALIFY subcommand to  
 change the current scope to that of the required  
 procedure.

IEN0651I W nnn    USE OF ddd INVALID FOR OPTIMIZING COMPILER.  
 USE OF PSEUDO-VARIABLE ddd AS A CONTROL VARIABLE IN A  
 'DO' STATEMENT IS NOT PERMITTED BY THE PL/I OPTIMIZING  
 COMPILER.

IEN0652I S nnn    MULTITASKING OPTIONS IN CALL TO ddd.  
 'TASK', 'EVENT' OR 'PRIORITY' OPTIONS HAVE BEEN  
 SPECIFIED IN A CALL STATEMENT TO COBOL OR FORTRAN  
 PROCEDURE ddd. STATEMENT REPLACED BY SIGNAL ERROR.  
Explanation: FORTRAN and COBOL do not implement  
 multitasking.

IEN0653I W nnn    NOT ENOUGH STORAGE TO SORT MESSAGES.  
 NOT ENOUGH STORAGE TO SORT MESSAGES. MESSAGES WILL BE  
 PRINTED UNSORTED.

IEN0654I E nnn    'INITIAL' VALUE FOR ddd INVALID.  
 VALUE OF 'INITIAL' ATTRIBUTE FOR 'STATIC' VARIABLE ddd  
 IS NOT A CONSTANT. ITEM IGNORED.

IEN0655I S nnn    ARGnnn OF ddd OUT OF RANGE.  
 ARGnnn OF BUILT-IN FUNCTION OR PSEUDO-VARIABLE ddd IS  
 LESS THAN ONE OR EXCEEDS THE NUMBER OF DIMENSIONS OF  
 THE FIRST ARGUMENT. STATEMENT REPLACED BY 'SIGNAL  
 ERROR'.

IEN0656I W nnn    EXPRESSION AS ARGUMENT TO STRING BIF INVALID FOR  
 OPTIMIZING COMPILER.  
 USE OF AN EXPRESSION AS THE ARGUMENT TO THE STRING  
 BUILT-IN FUNCTION IS NOT PERMITTED BY THE PL/I

OPTIMIZING COMPILER.

IEN0660I E nnn EMBEDDED ITEM(S) IN ttt OPERATOR.

A BLANK, A COMMENT, A LISTING CONTROL STATEMENT, A  
'%INCLUDE' STATEMENT, OR ANY COMBINATION OF THESE, IS  
EMBEDDED IN THE ttt OPERATOR. THE EMBEDDED ITEM(S) ARE

REMOVED AND PLACED BEFORE THE OPERATOR.

Explanation: The individual characters in a composite or compound symbol must not be separated by blanks or comments.

IEN0661I S nnn UNMATCHED QUOTES IN PROGRAM.

A STRING IS INCOMPLETE AT THE END OF THE PROGRAM DUE TO UNMATCHED QUOTATION MARKS. THE LAST STATEMENT IS IGNORED.

Explanation: The compiler tries to make a reasonable assumption for the position of the missing quotation mark. In this case, it has not been able to do so; if it had succeeded, message IEN0668I would have been issued instead.

IEN0662I E nnn ttt FORMAT ITEM INVALID.

ttt FORMAT ITEM IS INVALID FOR A 'GET' STATEMENT. IT IS REPLACED BY 'A(80)'.

IEN0663I E nnn NO FORMAT LIST IN ttt.

NO FORMAT LIST HAS BEEN SPECIFIED IN ttt. '(A(80))' IS ASSUMED.

Explanation: A format list must be specified for a FORMAT statement, or an edit-directed GET or PUT statement that includes a data list.

IEN0665I E nnn CONSTANT ttt INVALID.

CONSTANT ttt CONTAINS MORE THAN ONE RADIX POINT. TEXT FROM THE SECOND POINT IS IGNORED.

Explanation: A radix point is a decimal or binary point.

IEN0666I E nnn ttt CONFLICTS WITH ttt.

ttt OPTION CONFLICTS WITH THE ttt OPTION AND IS IGNORED.

IEN0667I E nnn ttt NOT VALID FOR ddd.

ttt IS NOT A VALID OPTION FOR THE ddd STATEMENT AND IS IGNORED.

IEN0668I E nnn MISSING QUOTE IN ttt.

UNMATCHED QUOTATION MARKS. A QUOTE IS ASSUMED AT ttt.

Explanation: A quotation mark is assumed in the position marked by a question mark in the text printed

in the message. Any double-quotes in the statement in error will be ignored. The rest of the program will be translated normally except that subsequent statements will not be numbered individually; they will all have the same number as the statement in which the quotation mark has been assumed.

IEN0669I W nnn MORE THAN 31 STATEMENTS ON LINE.

COMPILER RESTRICTION. LINE CCNTAINS MORE THAN 31 STATEMENTS WHEN THE 'NUMBER' OPTION APPLIES. ALL STATEMENTS AFTER THE THIRTY-FIRST HAVE SAME STATEMENT NUMBER.

Explanation: When the NUMBER compiler option applies, the qualifier in a statement number used to identify the position of a statement on a line is limited to a maximum value of 31.

IEN0670I S nnn STATEMENT TOO LARGE.

STATEMENT IS TOO LARGE TO BE COMPILED IN MAIN STORAGE AREA AVAILABLE TO THE CCPIILER. THE STATEMENT IS DELETED.

IEN0671I E nnn ddd ASSUMED TO BE ddd.

ddd IS DECLARED EXPLICITLY OR CONTEXTUALLY AS 'BUILTIN' BUT IS NOT A BUILTIN FUNCTION NAME. ddd IS ASSUMED INSTEAD.

IEN0672I E nnn UNMATCHED 'END'.

'END' STATEMENT IN LOGICAL UNIT HAS NO MATCHING 'DO' OR 'BEGIN' STATEMENT. IT IS IGNORED.

IEN0673I E nnn NO BLANK AFTER ddd IN ddd.

BLANK MISSING AFTER ddd IN ddd. A BLANK IS ASSUMED.

IEN0674I W nnn CHARACTER-STRING PICTURE LONGER THAN 1023 BYTES.

A CHARACTER-STRING PICTURED ITEM HAS MORE THAN 1023 CHARACTERS. THE PL/I OPTIMIZING COMPILER DOES NOT SUPPORT THIS WHEN USED IN ITS MINIMUM MAIN STORAGE SIZE.

IEN0675I E nnn '/\*' MISSING IN ddd.

COMMENT-STARTING DELIMITER '/\*' MISSING IN ddd. THE DELIMITER IS ASSUMED.

IEN0676I ddd IS INVALID.

ddd STATEMENT IS WRITTEN INCORRECTLY OR USED IN WRONG POSITION. IT IS IGNORED.

IEN0678I I SEQUENCE NUMBER INCREASED TO nnn.  
 THE SEQUENCE NUMBER OF THE CURRENT RECORD IS LESS THAN OR EQUAL TO THAT OF THE PRECEDING RECORD. SEQUENCE NUMBER INCREASED TO nnn.

IEN0680I E nnn WRONG NUMBER OF ARGUMENTS FOR ddd.  
 WRONG NUMBER OF ARGUMENTS SPECIFIED FOR ddd BUILT-IN FUNCTION OR PSEUDO VARIABLE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0681I E nnn VALUE IN ddd INVALID.  
 COMPILER RESTRICTION. VALUE IN ddd IS OUTSIDE PERMITTED RANGE. OPTION IGNORED.

IEN0682I E nnn ddd INVALID. ddd is NOT ddd.  
 ddd IS INVALID BECAUSE FILE ddd DOES NOT HAVE THE ddd ATTRIBUTE. OPTION IGNORED.

IEN0683I E nnn STATEMENT INVALID. FILE HAS ddd ATTRIBUTE.  
 I/O STATEMENT IS INVALID BECAUSE THE SPECIFIED FILE HAS THE ddd ATTRIBUTE. STATEMENT REPLACED BY 'SIGNAL ERROR'.  
Explanation: This statement cannot be used with a file that has the specified attribute. For example, a READ statement cannot be used for an OUTPUT file.

IEN0684I E nnn ttt FORMAT ITEM SPECIFIES INVALID VALUE.  
 COMPILER RESTRICTION. ttt FORMAT ITEM SPECIFICATION CONTAINS AN INVALID VALUE. SPECIFICATION IS NOT CHANGED.

IEN0685I W nnn ttt FORMAT ITEM ALLOWS NO ROOM FOR SIGN.  
 ttt FORMAT ITEM SPECIFICATION ALLOWS NO ROOM FOR SIGN OF CORRESPONDING DATA ITEM. SPECIFICATION IS NOT CHANGED.  
Explanation: The format item specification does not allow a position for the sign. Thus only positive values can be handled.

IEN0686I E nnn WIDTH OF ttt FORMAT ITEM TOO SMALL.  
 WIDTH SPECIFIED IN ttt FORMAT ITEM IS INSUFFICIENT FOR THE NUMBER OF DIGITS SPECIFIED. SPECIFICATION IS NOT CHANGED.

IEN0687I E nnn NO DATA FORMAT ITEMS IN FORMAT LIST.  
 NO DATA FORMAT ITEMS (A, B, C, E, F, P OR R) IN FORMAT LIST. LIST WILL BE EXECUTED ONLY ONCE.

Explanation: The format list contains only control format items. Thus no data will be transmitted.

IEN0688I E nnn ADJUSTABLE STRING EXPRESSION IN nnn PASSED TO ddd.

COMPILER RESTRICTION. THE LENGTH OF A STRING EXPRESSION IN ARGUMENT nnn OF FUNCTION ddd IS NOT KNOWN AT TRANSLATION TIME. STATEMENT REPLACED BY SIGNAL ERROR.

Explanation: If an array or structure expression is used as the argument to a function procedure, then the length of any string expressions contained in it must be available to the compiler at translation time. Therefore, only constant-length strings can be used, or the corresponding parameter descriptor must specify the string length.

IEN0689I W nnn ARGUMENT nnn PASSED TO ddd VIA A DUMMY ARGUMENT.

THE ATTRIBUTES OF ARGUMENT nnn PASSED TO ddd DO NOT MATCH THE ATTRIBUTE SPECIFICATION FOR THE CORRESPONDING PARAMETER. A DUMMY ARGUMENT, WITH MATCHING ATTRIBUTES, IS CREATED.

IEN0690I E nnn ddd IN ddd IS ISUB DEFINED.

COMPILER RESTRICTION. ITEM ddd IN ddd IS ISUB DEFINED. ITEM IGNORED.

Explanation: ISUB-defined items must not be used in a data-directed data list or in the list specified for the CHECK condition prefix or CHECK statement.

IEN0691I E nnn INVALID REFERENCE TO CROSS-SECTION OF ddd.

COMPILER RESTRICTION. INVALID REFERENCE TO CROSS-SECTION OF ARRAY OF STRUCTURES ddd. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The asterisk cannot be used as a subscript when referencing an array of structures.

IEN0692I E nnn ddd NOT SCALAR ENTRY.

GENERIC MEMBER ddd IS NOT A SCALAR ENTRY. IT IS IGNORED.

Explanation: A member of a generic family of entry names must be an entry. It must not have dimension attributes, or the GENERIC or BUILTIN attributes.

IEN0693I S nnn ddd IS 'BASED' OR 'DEFINED'.

COMPILER RESTRICTION. ENTRY VARIABLE ddd HAS 'BASED' OR 'DEFINED' ATTRIBUTE BUT IS USED IN A 'GENERIC' SPECIFICATION. ENTRY VARIABLE AND ITS ASSOCIATED GENERIC DESCRIPTOR LIST ARE IGNORED.

IEN0694I E nnn ddd IS EXPLICITLY LOCATOR QUALIFIED.

BASED VARIABLE ddd IN 'DATA' DATA LIST IS EXPLICITLY LOCATOR QUALIFIED. ITEM IGNORED.

Explanation: A based variable in a data-directed data list must not be explicitly locator-qualified. Only the allocation located by the locator specified in the BASED attribute can be used.

IEN0695I E nnn ddd HAS NO DIMENSION FOR nnnISUB.

THE NUMBER OF DIMENSIONS OF ddd IS LESS THAN nnn SO THE USE OF THAT ISUB NUMBER IS INVALID. THE INVALID ISUB HAS BEEN REPLACED BY ONE REFERRING TO THE LAST DIMENSION.

Explanation: The constant specified in the isub variable must not exceed the number of dimensions of the defined item.

IEN0696I E nnn AGGREGATE ddd IN 'INITIAL' FOR ddd.

AGGREGATE ddd HAS BEEN SPECIFIED IN THE 'INITIAL' ATTRIBUTE OF ddd. ONLY ELEMENT EXPRESSIONS MAY BE USED. ITEM REPLACED BY '\*'.

IEN0697I E nnn ELEMENTS OF ddd NOT ALL OF SAME STRING CLASS.

ELEMENTS OF STRUCTURE ddd, USED AS ARGUMENT FOR BUILT-IN FUNCTION 'STRING', ARE NOT ALL 'CHARACTER'/'PICTURE' OR NOT ALL 'BIT'. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0698I E nnn ARGUMENT nnn OF ddd HAS INVALID VALUE.

COMPILER RESTRICTION. VALUE OF ARGUMENT NUMBER nnn OF BUILT-IN FUNCTION ddd IS OUTSIDE THE PERMITTED RANGE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0699I E nnn INVALID ITERATION FACTOR IN 'INITIAL' FOR STATIC ITEM ddd.

ITERATION FACTOR IN 'INITIAL' ATTRIBUTE FOR STATIC VARIABLE ddd IS NOT AN UNSIGNED DECIMAL INTEGER CONSTANT. ITERATION FACTOR IGNORED.

IEN0700I S nnn INVALID USE OF 'COBOL' FILE ddd.

FILE ddd HAS 'COBOL' OPTION. IT CAN BE USED ONLY IN A 'FILE' OPTION OR AN I/C ON-CONDITION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: Files with the COBOL option in the ENVIRONMENT attribute must not, for example, be passed as arguments, assigned to file variables, or compared with file variables or other file constants.

IEN0710I           ALREADY IN EDIT SUBMODE.

                  THE COMPILER IS ALREADY IN EDIT SUBMODE. 'EDIT'  
SUBCOMMAND IGNORED.

IEN0719I           ttt NOT FOUND.

                  ttt SPECIFIED IN 'CHANGE'/'DELETE' SUBCOMMAND CANNOT BE  
FOUND IN CURRENT LOGICAL UNIT. SUBCOMMAND IGNORED.

IEN0720I           TEXT BEGINNING ttt NOT FOUND.

                  TEXT BEGINNING ttt SPECIFIED IN 'CHANGE'/'DELETE'  
SUBCOMMAND CANNOT BE FOUND IN CURRENT LOGICAL UNIT.  
SUBCOMMAND IGNORED.

Explanation: Only the first 10 characters of the text  
to be changed or deleted will be specified in the  
message.

IEN0735I           'SYSFORM' HAS FIXED-LENGTH RECORDS.

                  RECORD FORMAT NOT SPECIFIED FOR FILE 'SYSFORM'. FIXED-  
LENGTH RECORDS ASSUMED AFTER MACRO PREPROCESSING.

IEN0736I E nnn     'SYSFORM' CANNOT BE OPENED.

                  UNABLE TO OPEN THE DATA SET ASSOCIATED WITH THE FILE  
'SYSFORM' USED BY THE 'FORMAT' OPTION. 'NOFORMAT'  
ASSUMED.

IEN0737I U nnn     'SYSFORM' CANNOT BE RE-OPENED.

                  UNABLE TO REOPEN FOR INPUT THE DATA SET ASSOCIATED WITH  
THE FILE 'SYSFORM'. THIS DATA SET IS REQUIRED BY THE  
SYNTAX CHECKER. PROCESSING TERMINATED.

IEN0738I W nnn     'SYSFORM' UNSEQUENCED.

                  NO ROOM FOR SEQUENCE NUMBERS IN RECORDS FOR FILE  
'SYSFORM'. SEQUENCE NUMBERS WILL NOT BE ADDED.

IEN0739I           'SYSFORM' IS EMPTY.

                  THE DATA SET ASSOCIATED WITH FILE 'SYSFORM' CONTAINS NO  
RECORDS. THERE IS NO TEXT IN THE SOURCE INPUT DATA  
SET. PROCESSING TERMINATED.

IEN0740I     nnn     'SYSFORM' LRECL TOO SMALL.

                  RIGHT SOURCE MARGIN IS BEYOND THE END OF RECORD FOR  
FILE 'SYSFORM'. UNFORMATTED LINES MAY BE TRUNCATED.

IEN0741I S nnn     'SYSIN' NOT STREAM INPUT.

                  'DATA' CONTROL STATEMENT USED BUT FILE 'SYSIN' HAS THE  
ATTRIBUTES 'RECORD', 'OUTPUT', 'BACKWARDS', 'DIRECT' OR

'UPDATE'. 'SYSIN' ASSUMED TO BE 'STREAM INPUT'.

IEN0742I E nnn 'ENVIRONMENT' IGNORED FOR 'SYSIN'.

THE 'ENVIRONMENT' ATTRIBUTE IS IGNORED FOR THE FILE 'SYSIN' BECAUSE THE 'DATA' CONTROL STATEMENT IS USED.

IEN0743I S nnn OUTPUT FILE ddd HAS 'BUFOFF' BUT NOT D-FORMAT.

THE 'BUFOFF' OPTION HAS BEEN SPECIFIED FOR OUTPUT FILE ddd WITH A RECORD FORMAT OTHER THAN 'D' OR 'DB'. 'BUFOFF' OPTION WILL BE IGNORED WHEN THE FILE IS OPENED.

IEN0744I W nnn COMPILER GENERATED EXTERNAL NAMES MAY BE AMBIGUOUS.

COMPILER GENERATED EXTERNAL NAMES MAY BE AMBIGUOUS IF THE PROGRAM IS LINK-EDITED WITH A PROCEDURE OF SIMILAR NAME.

IEN0745I S nnn ddd IS NOT ENTRY OR LABEL CONSTANT.

ddd IN 'AT' OR 'ABOVE' SUBCOMMAND IS NEITHER AN ENTRY NOR A LABEL CONSTANT. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0746I S nnn ddd NOT FETCHABLE.

ddd IN 'FETCH' OR 'RELEASE' STATEMENT WAS NOT DESIGNATED FETCHABLE IN THE PRIMARY SOURCE PROGRAM. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0747I INPUT FROM TERMINAL TOO LONG, IGNORED AFTER ttt.

THE IMPLEMENTATION LIMIT OF A TERMINAL INPUT RECORD HAS BEEN EXCEEDED. ONLY THE FIRST 240 CHARACTERS OF THE RECORD HAVE BEEN ACCEPTED UP TO ttt.

Explanation: There is an implementation limit of 240 on the length of a record read from a terminal. If a longer record is received all bytes after the first 240 are ignored and this message will be transmitted to the terminal.

IEN0748I W nnn ddd DEFINED ddd WHICH IS NOT EXPLICITLY DECLARED.

ddd IS DEFINED ON ddd WHICH IS NOT EXPLICITLY DECLARED.

IEN0749I E nnn REFERENCE TO ddd UNRESOLVED.

ENTRY CONSTANT ddd IS UNRESOLVED, BUT THE LEVEL OF 'RUN' OPTION DOES NOT UNCONDITIONALLY SUPPRESS INTERPRETATION. 'ERROR' CONDITION WILL BE RAISED WHEN INVOKING THIS ENTRY NAME.

Explanation: This problem is likely to occur in programs originally written for the PL/I(F) compiler.

Entry names such as IHECKPT, IHEDUMP, and IHESRTA were often declared explicitly for PLICKPT, PLIDUMP, and PLISRTA; these are not permitted, and should be removed from the program. This message will not be produced when using the NORUN option in conversational mode.

IEN0751I S nnn INVALID USE OF FETCHED ENTRY ttt.

INVALID USE OF THE FETCHED ENTRY CONSTANT ttt. FETCHED PROCEDURES MAY BE SPECIFIED ONLY IN 'FETCH' OR 'RELEASE' STATEMENTS OR AS ENTRIES IN FUNCTION OR SUBROUTINE REFERENCES. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: Entry constants that represent the name of a fetchable load module may not be assigned to or compared with entry variables, or passed as entry arguments.

IEN0752I E nnn ddd HAS CONFLICTING DESCRIPTORS OR RETURNS COPIED FROM STATEMENT nnn.

OTHER DECLARATIONS OF ENTRY ddd HAVE CONFLICTING DESCRIPTOR OR RETURNS INFORMATION. THIS INFORMATION HAS BEEN PROPAGATED FROM DECLARATION IN STATEMENT nnn.

Example:

```
A: PROC(X);
   DCL X FIXED, A ENTRY (FLOAT);
   END A;
```

IEN0755I W nnn BOUNDS FOR ddd EXPANDED.

BOUNDS FOR ARRAY ddd HAVE BEEN INCREASED TO INCLUDE THE SUBSCRIPT VALUE IN THIS STATEMENT.

IEN0756I S nnn ddd HAS ccc IN 'OPEN', AND 'TOTAL' IN 'DECLARE'.

'OPEN' STATEMENT FOR FILE ddd HAS THE ccc ATTRIBUTE, WHICH IS IGNORED BECAUSE THE 'TOTAL' 'ENVIRONMENT' OPTION HAS BEEN SPECIFIED IN THE DECLARATION OF THE FILE.

Explanation: The attribute in the OPEN statement was neither specified, nor implied, nor defaulted in the DECLARE statement. The TOTAL option does not allow additional attributes to be specified in the OPEN statement.

IEN0757I E nnn STRING OVERLAY DEFINING ASSUMED FOR ddd.

SIMPLE DEFINING IS INVALID FOR DEFINED VARIABLE ddd, SINCE ITS EXTENTS DO NOT MATCH THOSE OF ITS BASE. STRING OVERLAY DEFINING ASSUMED. THE PL/I OPTIMIZING COMPILER MAY ASSUME SIMPLE DEFINING IN THIS CASE.

Explanation: For simple defining to be valid, the bounds and the string length of the defined variable must be within those of its base; for areas and varying

strings, they must be equal to those of its base. Violation of this rule causes string overlay defining to be assumed by the PL/I Checkout Compiler.

IEN0758I S nnn 'FETCH' OR 'RELEASE' OF ddd INVALID.

COMPILER RESTRICTION. 'FETCH' OR 'RELEASE' OF 'FORTRAN' OR 'COBOL' ROUTINE ddd IS INVALID. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN0759I E nnn FILE ddd HAS 'TITLE' CONTAINING BREAK CHARACTER.

'OPEN' FOR FILE ddd HAS A 'TITLE' OPTION CONTAINING A BREAK CHARACTER. 'UNDEFINEDFILE' CONDITION WILL BE RAISED AT EXECUTION TIME.

Explanation: The break character ('\_') is a valid character in PL/I, but not in JCL; therefore no ddname can be supplied containing it.

IEN0761I E nnn F-FORMAT SUBSTITUTED IN ttt.

E-FORMAT ITEM HAS ONLY ONE ARGUMENT. F-FORMAT ITEM ASSUMED IN ttt.

IEN0762I TRANSLATION NOT COMPLETED BECAUSE OF OPTIONS.

OPTIONS, AND PERHAPS SEVERITY OF ERROR MESSAGES, INDICATE THAT TRANSLATION SHOULD NOT CONTINUE. COMPILATION TERMINATED.

IEN0763I E nnn 'CS(48)' KEYWORD IN ttt. 'CS(48)' ASSUMED.

48-CHARACTER SET RESERVED WORD USED IN ttt WHERE 60-CHARACTER SET OPTION APPLIES. 'CHARSET(48)' ASSUMED FOR REMAINING SOURCE TEXT.

Explanation: In an expression, an error has been found which can be corrected by assuming CS(48) instead of CS(60). If the program is actually written in the 60-character set, errors may occur if it uses reserved words such as GT or AND. (See Message IEN0435I).

IEN0764I W nnn TEXT ON SAME LINE AS LISTING CONTROL STATEMENT.

NON-BLANK TEXT ON THE SAME LINE AS A LISTING CONTROL STATEMENT. INCOMPATIBLE RESULTS MAY OCCUR WHEN COMPILED BY THE PL/I OPTIMIZING COMPILER.

IEN0973I U nnn I/O ERROR ON SYSITEXT.

I/O ERROR ON SYSITEXT. 'NOOBJECT' ASSUMED.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0975I U nnn NOT ENOUGH MAIN STORAGE. AREAS nnn, nnn, nnn, nnn BYTES.

NOT ENOUGH MAIN STORAGE AVAILABLE. WORKSPACE AREA nnn BYTES. TRANSIENT AREA nnn BYTES. DICTIONARY AREA nnn BYTES. OS AREA nnn BYTES. TRANSLATION TERMINATED.

Explanation: The main storage required to translate this source program is greater than the main storage available. The checkout compiler issues a GETMAIN macro for all the available storage and then suballocates it according to the requirements of the program being translated. There are four main storage areas created during translation:

1. The workspace stack, which is used by the translator as a data area in a last-in/first-out mode. It has a fixed lower bound, but may be increased at the expense of the transient area, described below.
2. The transient area, which has adjustable upper and lower bounds and contains the compiler phases and text blocks. The transient area must be sufficient to contain the current phase and the text blocks that are being processed.
3. The dictionary area, which contains the dictionary and has adjustable upper and lower bounds.
4. The OS area, which has a fixed upper bound and contains the data management buffers and control blocks.

This message is given whenever the compiler is unable to organize these areas to satisfy the storage requirements of the program that is being translated. Note that processing will continue with the next compilation in the batch, if any.

IEN0977I U nnn COMPILER PHASE IEN516NS NOT FOUND.

PHASE IEN516NS IS NOT IN THE DIRECTORY OF THE LIBRARY DEFINED FOR SYSPLC. COMPILATION IMPOSSIBLE.

Explanation: Compiler phase IEN516NS is the checkout compiler initializing phase, without which no translation or interpretation is possible.

IEN0978I U nnn NOT ENOUGH MAIN STORAGE.

PROGRAM IS TOO COMPLEX OR INSUFFICIENT MAIN STORAGE AVAILABLE.

Explanation: The compiler allocates a fixed number of text blocks that can be used for holding text and dictionaries. This number is determined from the amount of main storage available to the compiler and varies from 64 blocks with a region size of 100K to a maximum of 256 blocks with a region size of 256K. If the current region size is less than 256K, processing would continue if more main storage were available. If the region size is 256K or greater, the external procedure must be split up, or the number of declared

variables reduced, in order to continue processing.

This message may also be given at interpret time when it specifies the number of statements executed instead of severity and statement number.

IEN0980I U

ABEND. ddd CODE IS nnn.

[FILE ddd, DATA SET ddd of CONCATENATION.] PROCESSING OF CURRENT PL/I PROGRAM TERMINATED.

IEN0975I U nnn NOT ENOUGH MAIN STORAGE. AREAS nnn, nnn, nnn, nnn  
BYTES.

NOT ENOUGH MAIN STORAGE AVAILABLE. WORKSPACE AREA nnn  
BYTES. TRANSIENT AREA nnn BYTES. DICTIONARY AREA nnn  
BYTES. OS AREA nnn BYTES. TRANSLATION TERMINATED.

Explanation: The main storage required to translate  
this source program is greater than the main storage  
available. The checkout compiler issues a GETMAIN  
macro for all the available storage and then  
suballocates it according to the requirements of the  
program being translated. There are four main storage  
areas created during translation:

1. The workspace stack, which is used by the translator  
as a data area in a last-in/first-out mode. It has  
a fixed lower bound, but may be increased at the  
expense of the transient area, described below.
2. The transient area, which has adjustable upper and  
lower bounds and contains the compiler phases and  
text blocks. The transient area must be sufficient  
to contain the current phase and the text blocks  
that are being processed.
3. The dictionary area, which contains the dictionary  
and has adjustable upper and lower bounds.
4. The OS area, which has a fixed upper bound and  
contains the data management buffers and control  
blocks.

This message is given whenever the compiler is unable  
to organize these areas to satisfy the storage  
requirements of the program that is being translated.  
Note that processing will continue with the next  
compilation in the batch, if any.

IEN0977I U nnn COMPILER PHASE IEN516NS NOT FOUND.

PHASE IEN516NS IS NOT IN THE DIRECTORY OF THE LIBRARY  
DEFINED FOR SYSPLIC. COMPILATION IMPOSSIBLE.

Explanation: Compiler phase IEN516NS is the checkout  
compiler initializing phase, without which no  
translation or interpretation is possible.

IEN0978I U nnn NOT ENOUGH MAIN STORAGE.

PROGRAM IS TOO COMPLEX OR INSUFFICIENT MAIN STORAGE  
AVAILABLE.

Explanation: The compiler allocates a fixed number of  
text blocks that can be used for holding text and  
dictionaries. This number is determined from the  
amount of main storage available to the compiler and  
varies from 64 blocks with a region size of 100K to a  
maximum of 256 blocks with a region size of 256K. If  
the current region size is less than 256K, processing  
would continue if more main storage were available. If  
the region size is 256K or greater, the external  
procedure must be split up, or the number of declared

Explanation: An ABEND has occurred during translation, format processing, preprocessing, or initialization of interpretation. The current processing is terminated and a search is made for a PROCESS control statement. If one is found, processing starts again from that point, otherwise the job step is terminated.

IEN0981I U

ABEND. ddd CODE IS nnn.

[FILE ddd, DATA SET ddd OF CONCATENATION.] JOB STEP TERMINATED.

Explanation: An ABEND has occurred from which recovery is impossible and the job step has been terminated. Inability to recover may be for any of the following reasons:

1. The system has indicated that I/O was quiescent at the time if the ABEND is not restorable.
2. Checker data areas have been destroyed and the checker is unable to continue.
3. Insufficient main storage was available to allow the system to recover.

IEN0982I U

ABEND DURING INITIALIZATION. ddd CODE IS nnn. [FILE ddd, DATA SET ddd OF CONCATENATION.] JOB STEP TERMINATED.

Explanation: An ABEND has recurred during checker initialization and the job step is terminated in all cases.

IEN0983I U

SECOND ABEND. ddd CODE IS nnn. [FILE ddd, DATA SET ddd OF CONCATENATION.] JOB STEP TERMINATED.

Explanation: An ABEND has already occurred earlier in the job step and recovery was attempted. A second ABEND has now occurred and the job step is terminated.

IEN0984I I

ddd STORED ON SYSITEXT.

MEMBER ddd HAS BEEN STORED ON SYSITEXT DATA SET, REPLACING EXISTING MEMBER WITH THE SAME NAME.

Explanation: The intermediate text and dictionary required for interpretation has been stored with the member name specified in the data set for SYSITEXT. The compiler assigns the name of the external procedure as the member name.

IEN0985I E nnn

ddd NOT STORED ON SYSITEXT. DIRECTORY FULL.

MEMBER ddd HAS NOT BEEN STORED ON SYSITEXT DATA SET BECAUSE THE DIRECTORY WAS FULL.

Explanation: The compiler cannot store the intermediate text and dictionary required for interpretation. The program should be retranslated

with a different data set specified for SYSITEXT.

IEN0986I I ddd ADDED TO SYSITEXT.

MEMBER ddd HAS BEEN ADDED TO SYSITEXT DATA SET.

Explanation: The intermediate text and dictionary required for interpretation has been stored with the member name specified in the data set for SYSITEXT. The compiler assigns the name of the external procedure as the member name.

IEN0987I COMPILER RESTRICTION. NEW SYSCIN BLOCKSIZE GREATER THAN OLD AND MACRO OPTION IN FORCE.

COMPILER RESTRICTION. THE BLOCKSIZE OF A DATASET IN THE SYSCIN CONCATENATION IS GREATER THAN THAT OF THE PRECEDING DATASET. THIS IS NOT SUPPORTED WHEN THE MACRO OPTION IS IN FORCE. PROCESSING CONTINUES BUT ERRORS MAY OCCUR READING FROM SYSCIN.

IEN0988I U nnn I/O ERROR ON 'SYSLIN'.

I/O ERROR ON SYSLIN. 'NOOBJECT' ASSUMED.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0990I E nnn I/O ERROR ON SYSCIN/SYSIN.

I/O ERROR ON SYSCIN/SYSIN. INPUT RECORD ACCEPTED.

IEN0991I I/O ERROR, ccc.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0992I I/O ERROR ON 'SYSPUNCH'.

PROCESSING TERMINATED DUE TO I/O ERROR ON FILE 'SYSPUNCH'.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0993I U nnn I/O ERROR ON 'SYSUT1'.

I/O ERROR ON SYSUT1. JOB STEP TERMINATED.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0986I I

ddd ADDED TO SYSITEXT.

MEMBER ddd HAS BEEN ADDED TO SYSITEXT DATA SET.

Explanation: The intermediate text and dictionary required for interpretation has been stored with the member name specified in the data set for SYSITEXT. The compiler assigns the name of the external procedure as the member name.

IEN0987I

COMPILER RESTRICTION. NEW SYSCIN BLOCKSIZE GREATER THAN OLD AND MACRO OPTION IN FORCE.

COMPILER RESTRICTION. THE BLOCKSIZE OF A DATASET IN THE SYSCIN CONCATENATION IS GREATER THAN THAT OF THE PRECEDING DATASET. THIS IS NOT SUPPORTED WHEN THE MACRO OPTION IS IN OPTION FORCE. PROCESSING CONTINUES BUT ERRORS MAY OCCUR READING FROM SYSCIN.

IEN0988I U nnn

I/O ERROR ON 'SYSLIN'.

I/O ERROR ON SYSLIN. 'NOOBJECT' ASSUMED.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0990I E nnn

I/O ERROR ON SYSCIN/SYSIN.

I/O ERROR ON SYSCIN/SYSIN. INPUT RECORD ACCEPTED.

IEN0991I

I/O ERROR, ccc.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0992I

I/O ERROR ON 'SYSPUNCH'.

PROCESSING TERMINATED DUE TO I/O ERROR ON FILE 'SYSPUNCH'.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0993I U nnn

I/O ERROR ON 'SYSUT1'.

I/O ERROR ON SYSUT1. JOB STEP TERMINATED.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0994I U nnn I/C ERROR ON 'SYSUT2'.

I/C ERROR ON SYSUT2. PROCESSING OF CURRENT PL/I PROGRAM TERMINATED.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0995I I/O ERROR, ccc.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0996I E nnn ddd NOT STORED ON SYSITEXT. I/C ERROR.

MEMBER ddd HAS NOT BEEN STORED ON SYSITEXT DATA SET BECAUSE OF PERMANENT I/O ERROR.

Explanation: The compiler cannot store the intermediate text and dictionary required for interpretation. The program should be retranslated with a different data set specified for SYSITEXT.

Programmer Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0997I U nnn I/O ERROR ON 'SYSFORM'.

I/O ERROR ON SYSFORM. PROCESSING OF CURRENT PL/I PROGRAM TERMINATED.

Processing Response: Check your program and your job control language statements. Rerun the program. If the problem persists, obtain further advice from your installation system programmer or call IBM for programming support.

IEN0998I U nnn NOT ENOUGH MAIN STORAGE.

NOT ENOUGH MAIN STORAGE AVAILABLE. COMPILATION IMPOSSIBLE.

Explanation: Either the region or partition being used, or the value specified in the SIZE compiler option may be too small.

IEN1000I U nnn COMPILER ERROR NO. nnn IN PHASE ddd.

COMPILER ERROR NUMBER nnn IN PHASE ddd.

Explanation: Processing has terminated due to an error

in the checkout compiler.

Programmer Response: Correct any errors diagnosed by other messages and rerun the program. If the compiler error persists, consult your system maintenance personnel, or call IBM for programming support.

IEN1001I nnnX LENGTH nnn OF ddd TOO LARGE.

ONCODE=3804. LENGTH nnn OF STRING ddd EXCEEDS THE LIMIT OF 32767. 'ERROR' CONDITION RAISED.

IEN1002I nnnX SIZE ttt OF ddd TOO LARGE.

ONCODE=3806. SIZE ttt OF AREA ddd EXCEEDS THE LIMIT OF 16777200. 'ERROR' CONDITION RAISED.

IEN1003I nnnX 'SIZE' RAISED IN STREAM I/O.

ONCODE=341. 'SIZE' CONDITION RAISED WHEN ASSIGNING A DATA ITEM IN I/O STATEMENT. 'ERROR' CCNDITION RAISED.

Explanation: The input item is longer than the specified variable.

IEN1004I nnnX ddd HAS NO VALUE.

ONCODE=4000. VARIABLE ddd HAS NO VALUE. 'ERROR' CONDITION RAISED.

Explanation: The specified variable has not yet been assigned a value.

IEN1005I nnnX 'CONVERSION' SINGALED.

ONCODE=600. 'CONVERSION' CONDITION RAISED BY 'SIGNAL' STATEMENT.

IEN1006I nnnX ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd FROM FILE ddd.

ONCODE=604. ONSOURCE=ttt. 'CONVERSION' CONDITICN RAISED DUE TO A NON-ARITHMETIC CHARACTER BEING FOUND WHEN ASSIGNING TO ARITHMETIC ITEM ddd FROM FILE ddd USING F-FORMAT ITEM. 'ERROR' CONDITION RAISED.

IEN1007I nnnX ONSOURCE=ttt. 'CONVERSION' RAISED AFTER 'TRANSMIT' FOR ddd FROM FILE ddd.

ONCODE=605. ONSOURCE=ttt. 'CONVERSION' CONDITION RAISED FOLLOWING A PREVIOUS 'TRANSMIT' CONDITION WHEN ASSIGNING TO ARITHMETIC ITEM ddd USING F-FORMAT ITEM FROM FILE ddd. 'ERROR' CONDITION RAISED.

Explanation: The transmission error probably invalidated the input data.

IEN1008I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd FROM FILE  
ddd.

ONCODE=607. ONSOURCE=ttt. 'CONVERSION' CONDITION  
RAISED DUE TO A NON-ARITHMETIC CHARACTER BEING FOUND  
WHEN ASSIGNING TO ARITHMETIC ITEM ddd FROM FILE ddd,  
USING E-FORMAT ITEM. 'ERROR' CCNDITCN RAISED.

IEN1009I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED AFTER 'TRANSMIT'  
FOR ddd FROM FILE ddd.

ONCODE=608. ONSOURCE=ttt. 'CONVERSION' CCNDITCN  
RAISED FOLLOWING A PREVIOUS 'TRANSMIT' CONDITION WHEN  
ASSIGNING ARITHMETIC ITEM ddd USING E-FORMAT ITEM FROM  
FILE ddd. 'ERROR' CONDITION RAISED.

Explanation: The transmission error probably  
invalidated the input data.

IEN1010I nnnX      ONSOURCE=vvv. 'CONVERSION' RAISED FOR ddd.

ONCODE=612. ONSOURCE=vvv. 'CONVERSION' CONDITION HAS  
BEEN RAISED DUE TO NON ARITHMETIC CHARACTER BEING FOUND  
WHEN CONVERTING CHARACTER STRING ddd TO ARITHMETIC  
VARIABLE.

IEN1011I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd ON FILE  
ddd.

ONCODE=613. ONSOURCE=ttt. 'CONVERSION' CONDITION  
RAISED FOR ddd DUE TO A NCN-ARITHMETIC CHARACTER BEING  
FOUND OR LENGTH EXCEEDED IN ASSIGNMENT FROM FILE ddd.  
'ERROR' CONDITION RAISED.

IEN1012I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED AFTER 'TRANSMIT'  
FOR ddd FROM FILE ddd.

ONCODE=614. ONSOURCE=ttt. 'CONVERSION' CONDITION  
RAISED FOLLOWING A PREVIOUS 'TRANSMIT' CONDITION WHEN  
ASSIGNING TO ARITHMETIC ITEM ddd FROM FILE ddd.  
'ERROR' CONDITION RAISED.

Explanation: The transmission error probably  
invalidated the input data.

IEN1013I nnnX      ONSOURCE=vvv. 'CONVERSION' RAISED FOR ddd.

ONCODE=615. ONSOURCE=vvv. 'CONVERSION' CONDITION  
RAISED DUE TO A NON-BINARY CHARACTER BEING FOUND WHEN  
CONVERTING ddd TO BIT STRING. 'ERROR' CCNDITCN RAISED.

IEN1014I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd.

ONCODE=616. ONSOURCE=ttt. 'CONVERSION' CONDITION  
RAISED DUE TO NON-BINARY CHARACTER BEING FOUND WHEN  
ASSIGNING TO BIT STRING ddd. 'ERROR' CCNDITCN RAISED.

IEN1015I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd FROM FILE

ddd.

ONCODE=617. ONSOURCE=ttt. 'CONVERSION' CONDITION RAISED FOLLOWING A PREVIOUS 'TRANSMIT' CONDITION WHEN ASSIGNING TO BIT STRING ddd FROM FILE ddd. 'ERROR' CONDITION RAISED.

Explanation: The transmission error probably invalidated the input data.

IEN1016I nnnX ONSOURCE=vvv. 'CONVERSION' RAISED FOR ddd.

ONCODE=618. ONSOURCE=vvv. 'CCONVERSION' CONDITION RAISED DUE TO NON-MATCHING CHARACTER BEING FOUND WHEN CONVERTING ddd TO PICTURE ITEM. 'ERROR' CONDITION RAISED.

IEN1017I nnnX ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd ON FILE ddd.

ONCODE=619. ONSOURCE=ttt. 'CCONVERSION' CONDITION RAISED DUE TO NON-MATCHING CHARACTER BEING FOUND WHEN ASSIGNING TO PICTURED ITEM ddd ON FILE ddd, USING STREAM INPUT ITEM. 'ERROR' CONDITION RAISED.

IEN1018I nnnX ONSOURCE=ttt. 'CONVERSION' RAISED AFTER 'TRANSMIT' FOR ddd FROM FILE ddd.

ONCODE=620. ONSOURCE=ttt. 'CONVERSION' CONDITION RAISED FOLLOWING A PREVIOUS 'TRANSMIT' CONDITION WHEN ASSIGNING TO PICTURED ITEM ddd FROM FILE ddd. 'ERROR' CONDITION RAISED.

Explanation: The transmission error probably invalidated the input data.

IEN1019I nnnX ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd FROM FILE ddd.

ONCODE=622. ONSOURCE=ttt. 'CONVERSION' CONDITION RAISED DUE TO NON-MATCHING CHARACTER BEING FOUND WHEN ASSIGNING TO ARITHMETIC ITEM ddd FROM FILE ddd, USING P-FORMAT ITEM. 'ERROR' CONDITION RAISED.

IEN1020I nnnX ONSOURCE=ttt. 'CONVERSION' RAISED AFTER 'TRANSMIT' FOR ddd FROM FILE ddd.

ONCODE=623. ONSOURCE=ttt. 'CONVERSION' CONDITION RAISED FOLLOWING A PREVIOUS 'TRANSMIT' CONDITION WHEN ASSIGNING ARITHMETIC ITEM ddd FROM FILE ddd USING P-FORMAT ITEM. 'ERROR' CONDITION RAISED.

Explanation: The transmission error probably invalidated the input data.

IEN1021I nnnX ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd FROM FILE ddd.

ONCODE=625. ONSOURCE=ttt. 'CONVERSION' CONDITION RAISED DUE TO NON-MATCHING CHARACTER BEING FOUND WHEN

ASSIGNING TO CHARACTER STRING ddd FROM FILE ddd, USING P-FORMAT ITEM. 'ERROR' CONDITION RAISED.

- IEN1022I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED AFTER 'TRANSMIT' FOR ddd FROM FILE ddd.
- ONCODE=626. ONSOURCE=ttt. 'CONVERSION' CONDITION RAISED FOLLOWING A PREVIOUS 'TRANSMIT' CONDITION WHEN ASSIGNING CHARACTER STRING ddd FROM FILE ddd USING P-FORMAT ITEM. 'ERROR' CONDITION RAISED.
- Explanation: The transmission error probably invalidated the input data.
- IEN1023I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED FOR ddd FROM STRING ddd.
- ONCODE=603. ONSOURCE=ttt. 'CONVERSION' CONDITION RAISED DUE TO ARITHMETIC ITEM ddd FROM STRING ddd, USING F-FORMAT ITEM. 'ERROR' CONDITION RAISED.
- IEN1024I nnnX      'FINISH' SIGNALLED.
- ONCODE=4. 'FINISH' CONDITION RAISED BY 'SIGNAL' STATEMENT.
- IEN1025I nnnX      'NAME' SIGNALLED.
- ONCODE=10. 'NAME' CONDITION RAISED BY 'SIGNAL' STATEMENT.
- IEN1026I nnnX      'NAME' RAISED. ddd SPECIFICATION INVALID IN INPUT STREAM.
- ONCODE=10. 'NAME' CONDITION RAISED. SPECIFICATION OF ELEMENT VARIABLE ddd IS INVALID, OR EQUAL SIGN MISSING, IN INPUT STREAM. VARIABLE IGNORED AND EXECUTION CONTINUED.
- Explanation: This message may also be generated if an item in the data list cannot be located. For example, an unallocated variable with the CONTROLLED attribute.
- IEN1027I nnnX      'RECORD' SIGNALLED FOR ddd.
- ONCODE=20. 'RECORD' CONDITION RAISED BY 'SIGNAL' STATEMENT FOR ddd.
- IEN1028I nnnX      vvv SHORTER THAN RECORD LENGTH FOR FILE ddd.
- ONCODE=21. 'RECORD' CONDITION HAS BEEN RAISED. RECORD VARIABLE vvv IS SHORTER THAN RECORD LENGTH FOR FILE ddd. 'ERROR' CONDITION RAISED.
- IEN1029I nnnX      vvv LONGER THAN RECORD LENGTH FOR FILE ddd.
- ONCODE=22. 'RECORD' CONDITION HAS BEEN RAISED. RECORD VARIABLE vvv IS LONGER THAN RECORD LENGTH FOR FILE ddd.

'ERROR' CONDITION RAISED.

IEN1030I nnnX ZERO LENGTH RECORD VARIABLE ddd USED IN ttt ON FILE  
ddd.

ONCODE=23. ZERO LENGTH RECORD VARIABLE ddd USED IN ttt  
STATEMENT FOR FILE ddd. 'ERROR' CONDITION RAISED.

IEN1031I nnnX ZERO LENGTH RECORD READ FROM FILE ddd.

ONCODE=24. 'RECORD' CONDITION HAS BEEN RAISED.  
ATTEMPT TO READ ZERO LENGTH RECORD FROM 'REGIONAL' FILE  
ddd. 'ERROR' CONDITION RAISED.

Explanation: On a direct-access device, a zero-length  
record is the end-of-data set mark. The data set was  
probably created incorrectly.

IEN1032I nnnX 'TRANSMIT' SIGNALLED FOR ddd.

ONCODE=40. 'TRANSMIT' CONDITION RAISED BY 'SIGNAL'  
STATEMENT FOR ddd.

IEN1033I nnnX INPUT TRANSMISSION ERROR FOR FILE ddd.

ONCODE=42. 'TRANSMIT' CONDITION HAS BEEN RAISED DUE TO  
PERMANENT INPUT ERROR ON FILE ddd. 'ERROR' CONDITION  
RAISED.

Explanation: There is some fault with the data set  
associated with this file that prevents data being read  
from it.

IEN1034I nnnX OUTPUT TRANSMISSION ERROR FOR FILE ddd.

ONCODE=41. 'TRANSMIT' CONDITION HAS BEEN RAISED DUE TO  
PERMANENT OUTPUT ERROR ON FILE ddd. 'ERROR' CONDITION  
RAISED.

Explanation: There is some fault with the data set  
associated with this file that prevents data being  
written on it.

IEN1035I nnnX 'KEY' SIGNALLED FOR ddd.

ONCODE=50. 'KEY' CONDITION RAISED BY 'SIGNAL'  
STATEMENT FOR ddd.

IEN1036I nnnX ONKEY=ttt. KEY NOT FOUND ON FILE ddd.

ONCODE=51. ONKEY=ttt. 'KEY' CONDITION HAS BEEN  
RAISED. A RECORD WITH THE SPECIFIED KEY CANNOT BE  
FOUND ON FILE ddd. 'ERROR' CONDITION RAISED.

IEN1037I nnnX ONKEY=ttt. KEY ALREADY EXISTS ON FILE ddd.

ONCODE=52. ONKEY=ttt. 'KEY' CONDITION HAS BEEN

RAISED. A RECORD WITH THE SPECIFIED KEY ALREADY EXISTS ON FILE ddd. 'ERROR' CONDITION RAISED.

IEN1038I nnnX ONKEY=ttt. KEY IS LESS THAN VALUE OF PREVIOUS KEY FOR FILE ddd.

ONCODE=53. ONKEY=ttt. 'KEY' CONDITION HAS BEEN RAISED. VALUE OF KEY WHEN CREATING FILE ddd IS LESS THAN THAT FOR PREVIOUS RECORD. 'ERROR' CONDITION RAISED.

Explanation: When a KEYED data set is created sequentially, the records must be written in ascending order of keys.

IEN1039I nnnX ONKEY=ttt. CONVERSION ERROR ON KEY FOR FILE ddd.

ONCODE=54. ONKEY=ttt. 'KEY' CONDITION HAS BEEN RAISED DUE TO CONVERSION ERROR ON KEY FOR FILE ddd. 'ERROR' CONDITION RAISED.

IEN1040I nnnX ONKEY=ttt. KEY INVALID FOR FILE ddd.

ONCODE=55. ONKEY=ttt. 'KEY' CONDITION HAS BEEN RAISED. KEY IS NULL-STRING OR INVALID FOR FILE ddd. 'ERROR' CONDITION RAISED.

IEN1041I nnnX ONKEY=ttt. KEY BEYOND LIMIT FOR FILE ddd.

ONCODE=56. ONKEY=ttt. 'KEY' CONDITION HAS BEEN RAISED. VALUE OF KEY IS BEYOND THE LIMIT IMPOSED BY THE SPACE ALLOCATED TO THE DATA SET FOR FILE ddd. 'ERROR' CONDITION RAISED.

Explanation: This message applies only to REGIONAL data sets. The relative region number in the key exceeds the number of regions that can be accommodated in the space allocated to the data set.

IEN1042I nnnX ONKEY=ttt. NO SPACE FOR RECORD WITH KEY ON FILE ddd.

ONCODE=57. ONKEY=ttt. 'KEY' CONDITION HAS BEEN RAISED. THERE IS NO SPACE AVAILABLE TO ADD RECORD WITH THE SPECIFIED KEY ON FILE ddd. 'ERROR' CONDITION RAISED.

Explanation: When this message applies to an INDEXED data set no further records can be added either because, for sequential input, the prime area is full, or, for direct input, the available overflow areas are full.

When this message applies to a REGIONAL data set, no further records can be added within the area specified in the LIMCT subparameter in the DCB parameter in the DD statement.

IEN1043I nnnX 'ENDFILE' SIGNALLED FOR ddd.

ONCODE=70. 'ENDFILE' CONDITION RAISED BY 'SIGNAL' STATEMENT FOR ddd.

IEN1044I nnnX 'ENDFILE' RAISED FOR ddd.

ONCODE=70. 'ENDFILE' CONDITION RAISED FOR FILE ddd. 'ERROR' CONDITION RAISED.

IEN1045I nnnX 'GET' STATEMENT FOR FILE ddd AFTER END OF FILE DETECTED.

ONCODE=70. ATTEMPT TO EXECUTE A GET STATEMENT FOR FILE ddd AFTER END OF FILE HAS BEEN DETECTED. 'ERROR' CONDITION RAISED.

IEN1046I nnnX 'UNDEFINEDFILE' SIGNALLED FOR ddd.

ONCODE=80. 'UNDEFINEDFILE' CONDITION RAISED BY 'SIGNAL' STATEMENT FOR ddd.

IEN1047I nnnX CONFLICT BETWEEN ATTRIBUTES FOR FILE ddd IN OPEN AND DCL STATEMENTS.

ONCODE=81. 'UNDEFINEDFILE' CONDITION. ATTRIBUTE(S) SPECIFIED IN OPEN STATEMENT FOR FILE ddd CONFLICT(S) WITH THOSE IN DECLARE STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The OPEN statement for the file, or the first I/O statement executed for the file, specify or assume attributes that conflict with those declared for the file. For example, the INPUT attribute is invalid for a file with the PRINT attribute.

IEN1048I nnnX NO BLOCKSIZE FOR FILE ddd.

ONCODE=83. 'UNDEFINEDFILE' CONDITION. NO BLOCKSIZE VALUE HAS BEEN SPECIFIED FOR FILE ddd. 'ERROR' CONDITION RAISED.

Explanation: For a new data set, the block size must be specified in the ENVIRONMENT attribute, the DCB parameter of the DD statement, or (in a TSO environment) the BLOCK operand of the ALLOCATE command.

IEN1049I nnnX NO DD STATEMENT FOR FILE ddd.

ONCODE=84. 'UNDEFINEDFILE' CONDITION. ATTEMPT TO OPEN FILE ddd WHICH DOES NOT HAVE AN ASSOCIATED DD STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: A data set must be defined for each file used in the program. In a TSO environment the DD statement can be specified indirectly with an ALLOCATE command.

IEN1050I nnnX I/O ERROR FORMATTING ddd AS 'REGIONAL'.

ONCODE=85. AN INPUT/OUTPUT ERROR HAS OCCURRED WHILE ATTEMPTING TO FORMAT FILE ddd AS A 'REGIONAL' DATA SET. THE 'ERROR' CONDITION IS RAISED.

Explanation: When the file is opened for a new REGIONAL data set, the data management routines format the data set into the specified regions. In this case, a fault has occurred which prevented the data set being correctly formatted.

IEN1051I nnnX 'LINESIZE' OR 'PAGESIZE' INVALID FOR ddd.

ONCODE=86. 'UNDEFINEDFILE' CONDITION RAISED. VALUE OF 'LINESIZE' OR 'PAGESIZE' VARIABLE USED FOR FILE ddd IS OUTSIDE IMPLEMENTATION-DEFINED LIMITS. 'ERROR' CONDITION RAISED.

Explanation: The checkout compiler restricts the value that can be used for the LINESIZE option to 32759 for fixed-length records and 32751 for variable-length records. The minimum value for U- and F- format records is 1; minimum for V- format PRINT files is 9; minimum for V- format Non-PRINT files is 10. The limit for the PAGESIZE option is 32767.

IEN1052I nnnX NO KEYLENGTH FOR ddd.

ONCODE=83. 'UNDEFINEDFILE' CONDITION RAISED. NO KEYLENGTH SPECIFIED FOR FILE ddd ALTHOUGH FILE IS 'KEYED'. 'ERROR' CONDITION RAISED.

Explanation: A file with the KEYED attribute must have the keylength specified in the ENVIRONMENT attribute or the DCB parameter of the DD statement. KEYED is implied by the attributes DIRECT and/or EXCLUSIVE.

IEN1053I nnnX INVALID BLOCKSIZE OR RECORD LENGTH FOR ddd.

ONCODE=87. 'UNDEFINEDFILE' CONDITION HAS BEEN RAISED. EITHER THE SPECIFIED BLOCKSIZE AND RECORD LENGTH CONFLICT OR THE RECORD LENGTH IS INVALID. 'ERROR' CONDITION RAISED.

Explanation: One of the following errors may have occurred:

1. Block size is less than record length.
2. For FB-format records, block size is not a multiple of record length.
3. For V-format file, record length not greater than 4, or block size not greater than 8.
4. For VS-format and VBS-format consecutive files:
  - a. IRECL=X is specified but RECSIZE is not specified or is invalid in the ENVIRONMENT attribute.
  - b. the file is opened for sequential update.

c. the file is opened for update with a specified record length exceeding 32,756.

5. For VS-format REGIONAL(3) files, record length is greater than block size minus four.
6. OMR is specified with a record length not equal to 80(EBCDIC) or 160 (column binary).
7. For an output file, column binary is specified with a record length not equal to 160.
8. FUNC=I (punch interpret) is specified with a record length not equal to 80 (or 81 of control characters are used).
9. Block size is not greater than the block prefix field (BUFOFF option) on an associated ASCII file.

IEN1054I nnnX ATTRIBUTES FOR FILE ddd CONFLICT WITH ddd ORGANIZATION.

ONCODE=82. 'UNDEFINEDFILE' CONDITION HAS BEEN RAISED. WHEN OPENING FILE ddd, THE SPECIFIED OR IMPLIED ATTRIBUTES CONFLICT WITH THE ddd ORGANIZATION. 'ERROR' CONDITION RAISED.

IEN1055I nnnX INVALID RECORD FORMAT FOR FILE ddd WITH ddd ORGANIZATION.

ONCODE=87. 'UNDEFINEDFILE' CONDITION HAS BEEN RAISED. AN INVALID RECORD FORMAT HAS BEEN SPECIFIED FOR FILE ddd WITH THE ddd ORGANIZATION. 'ERROR' CONDITION RAISED.

IEN1056I nnnX NO RECORD FORMAT FOR FILE ddd.

ONCODE=83. 'UNDEFINEDFILE' CONDITION RAISED. NO RECORD FORMAT SPECIFIED FOR FILE ddd. 'ERROR' CONDITION RAISED.

IEN1057I nnnX 'ZERODIVIDE' SIGNALLED.

ONCODE=320. 'ZERODIVIDE' CONDITION RAISED BY 'SIGNAL' STATEMENT.

IEN1058I nnnX 'ZERODIVIDE' RAISED FOR DIVISION OF vvv BY vvv.

ONCODE=320. 'ZERODIVIDE' CONDITION RAISED WHEN ATTEMPTING TO DIVIDE vvv BY vvv. 'ERROR' CONDITION RAISED.

IEN1059I nnnX 'UNDERFLOW' SIGNALLED.

ONCODE=330. 'UNDERFLOW' CONDITION RAISED BY 'SIGNAL' STATEMENT.

IEN1060I nnnX 'UNDERFLOW' RAISED FOR ttt OPERATION ON vvv AND vvv.  
ONCODE=330. 'UNDERFLOW' CONDITION RAISED DURING THE  
ttt OPERATION ON vvv and vvv. EXECUTION CONTINUES FROM  
THE POINT OF INTERRUPT.

IEN1061I nnnX 'SIZE' SIGNALLED.  
ONCODE=340. 'SIZE' CONDITION RAISED BY 'SIGNAL'  
STATEMENT.

IEN1062I nnnX 'SIZE' RAISED FOR ttt OPERATION ON vvv AND vvv. TARGET  
ddd.  
ONCODE=340. 'SIZE' CONDITION RAISED DURING THE ttt  
OPERATION ON vvv AND vvv WITH ddd AS THE TARGET.  
'ERROR' CONDITION RAISED.

IEN1063I nnnX 'STRINGRANGE' SIGNALLED.  
ONCODE=350. 'STRINGRANGE' CONDITION RAISED BY 'SIGNAL'  
STATEMENT.

IEN1064I nnnX 'AREA' SIGNALLED.  
ONCODE=362. 'AREA' CONDITION RAISED BY 'SIGNAL'  
STATEMENT.

IEN1065I nnnX 'AREA' RAISED WHEN ASSIGNING ddd TO ddd.  
ONCODE=361. 'AREA' CONDITION HAS BEEN RAISED BECAUSE  
OF INSUFFICIENT SPACE TO ASSIGN AREA ddd INTO AREA ddd.  
'ERROR' CONDITION RAISED.

IEN1066I nnnX 'AREA' RAISED WHEN ALLOCATING ddd IN ddd.  
ONCODE=360. 'AREA' CONDITION HAS BEEN RAISED DUE TO  
INSUFFICIENT CONTIGUOUS SPACE FOR BASED VARIABLE ddd IN  
AREA ddd. 'ERROR' CONDITION RAISED.

IEN1067I nnnX CONDITION ddd SIGNALLED.  
ONCODE=500. CONDITION ddd RAISED BY 'SIGNAL'  
STATEMENT.

IEN1068I nnnX 'SUBSCRIPTRANGE' SIGNALLED.  
ONCODE=520. 'SUBSCRIPTRANGE' CONDITION RAISED BY  
'SIGNAL' STATEMENT.

IEN1069I nnnX 'SUBSCRIPTRANGE' RAISED FOR ddd. SUBSCRIPT nnn IS vvv.  
ONCODE=520. 'SUBSCRIPTRANGE' CONDITION RAISED WHEN  
ATTEMPTING TO REFERENCE ddd. SUBSCRIPT POSITION nnn IS  
vvv.

Explanation: SUBSCRIPTRANGE cannot be disabled with the checkout compiler. Consequently, this message is produced even if the NOSUBSCRIPTRANGE condition prefix has been used.

IEN1070I nnnX 'STRINGSIZE' SIGNALLED.  
ONCODE=150. 'STRINGSIZE' CONDITION RAISED BY 'SIGNAL' STATEMENT.

IEN1071I nnnX 'STRINGSIZE' RAISED, ASSIGNMENT vvv TO ddd.  
ONCODE=150. 'STRINGSIZE' CONDITION. IN STRING ASSIGNMENT, SOURCE VARIABLE vvv IS LONGER THAN TARGET VARIABLE ddd. TRUNCATION TAKES PLACE ON THE RIGHT. EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.

IEN1072I nnnX 'INITIAL' ITEMS OUTSIDE BOUNDS OF ddd.  
DURING INITIALIZATION OF ARRAY ddd, ONE OR MORE INITIAL ITEMS REFERENCED ELEMENTS OUTSIDE THE ALLOCATED BOUNDS.

IEN1073I nnnX 'OVERFLOW' SIGNALLED.  
ONCODE=300. 'OVERFLOW' CONDITION RAISED BY 'SIGNAL' STATEMENT.

IEN1074I nnnX 'OVERFLOW' RAISED FOR ttt OPERATION ON vvv AND vvv.  
ONCODE=300. 'OVERFLOW' RAISED FOR ttt OPERATION ON vvv AND vvv. 'ERROR' CONDITION RAISED.

IEN1075I nnnX 'FIXEDOVERFLOW' SIGNALLED.  
ONCODE=310. 'FIXEDOVERFLOW' CONDITION RAISED BY 'SIGNAL' STATEMENT.

IEN1076I nnnX COMPLETION VALUE ASSIGNED TO ddd BEFORE EVENT ON ddd IS COMPLETE.  
ONCODE=3904. ASSIGNMENT OF COMPLETION VALUE TO EVENT VARIABLE ddd WITH 'COMPLETION' PSEUDO-VARIABLE IS INVALID BEFORE ASSOCIATED I/O EVENT ON FILE ddd IS COMPLETE. 'ERROR' CONDITION RAISED.

IEN1077I nnnX 'FIXEDOVERFLOW' RAISED FOR ttt OPERATION ON vvv AND vvv, TARGET ddd.  
ONCODE=310. 'FIXEDOVERFLOW' CONDITION RAISED DURING THE ttt OPERATION ON vvv AND vvv, WITH ddd AS THE TARGET. 'ERROR' CONDITION RAISED.

IEN1078I nnnX TASK TERMINATED. MULTIPLE-EXCEPTION IMPRECISE INTERRUPT.  
TASK TERMINATED AS A RESULT OF THE OCCURRENCE OF A

MULTIPLE-EXCEPTION IMPRECISE INTERRUPT IN A PROGRAM  
BEING EXECUTED ON A MODEL 91 OR A  
MODEL 195. SEVERAL EXCEPTIONS HAVE OCCURRED  
SIMULTANEOUSLY. MORE THAN ONE MIGHT HAVE BEEN  
PROCESSED.

IEN1079I nnnX PROTECTION EXCEPTION UNPROCESSED.  
  
ONE OF THE UNPROCESSED EXCEPTIONS IS A PROTECTION  
EXCEPTION.

IEN1080I nnnX ADDRESSING EXCEPTION UNPROCESSED.  
  
ONE OF THE UNPROCESSED EXCEPTIONS IS AN ADDRESSING  
EXCEPTION.

IEN1081I nnnX SPECIFICATION EXCEPTION UNPROCESSED.  
  
ONE OF THE UNPROCESSED EXCEPTIONS IS A SPECIFICATION  
EXCEPTION.

IEN1082I nnnX DATA EXCEPTION UNPROCESSED.  
  
ONE OF THE UNPROCESSED EXCEPTIONS IS A DATA EXCEPTION.

IEN1083I nnnX ZERODIVIDE EXCEPTION UNPROCESSED.  
  
ONE OF THE UNPROCESSED EXCEPTIONS IS A ZERODIVIDE  
EXCEPTION.

IEN1084I nnnX OPERATION EXCEPTION, 0C1.  
  
ONCODE=8091. INVALID OPERATION CODE IN MACHINE  
INSTRUCTION DUE TO ERROR IN NCN-PL/I SUBROUTINE.

IEN1085I nnnX PRIVILEGED OPERATION EXCEPTION, 0C2.  
  
ONCODE=8092. PRIVILEGED ASSEMBLER INSTRUCTION FOUND  
OUTSIDE SUPERVISOR STATE DUE TO ERROR IN NCN-PL/I  
SUBROUTINE.

IEN1086I nnnX EXECUTE EXCEPTION, 0C3.  
  
ONCODE=8093. SUBJECT OF AN ASSEMBLER 'EX' INSTRUCTION  
IS ANOTHER 'EX' INSTRUCTION DUE TO ERROR IN NON-PL/I  
SUBROUTINE.

IEN1087I nnnX PROTECTION EXCEPTION, 0C4.  
  
ONCODE=8094. MACHINE INSTRUCTION ADDRESSES A PROTECTED  
MAIN STORAGE LOCATION DUE TO ERROR IN NCN-PL/I  
SUBROUTINE.

IEN1088I nnnX ADDRESSING EXCEPTION, 0C5.

ONCODE=8095. MACHINE INSTRUCTION ADDRESSES A LOCATION OUTSIDE AVAILABLE MAIN STORAGE DUE TO ERROR IN NON-PLI SUBROUTINE.

IEN1089I nnnX SPECIFICATION EXCEPTION, 0C6.

ONCODE=8096. INVALID BOUNDARY, REGISTER, LENGTH, OR PROTECTION KEY SPECIFIED IN MACHINE INSTRUCTION DUE TO ERROR IN NON-PL/I SUBROUTINE.

IEN1090I nnnX DATA EXCEPTION, 0C7.

ONCODE=8097. INVALID DATA FIELD IN ASSEMBLER DECIMAL ARITHMETIC INSTRUCTION DUE TO ERROR IN NON-PL/I SUBROUTINE.

IEN1091I nnnX ddd RE-USED WHILE ddd IS ACTIVE.

ONCODE=3901. USE OF TASK VARIABLE ddd AS TASK NAME IS INVALID WHILE PREVIOUSLY ASSOCIATED TASK, WITH THE SAME TASK NAME, WITH ENTRY NAME ddd IS ACTIVE. 'ERROR' CONDITION RAISED.

IEN1092I nnnX LIMIT OF nnn ACTIVE TASKS EXCEEDED.

ONCODE=3910. ATTEMPT TO CREATE MORE THAN nnn ACTIVE TASKS. 'ERROR' CONDITION RAISED.

Explanation: The third argument of the ISASIZE compiler option specifies the maximum number of tasks that can be active at any time. The compiler uses it to ensure that sufficient main storage is available for the data areas each task requires.

IEN1093I nnnX ddd USED BEFORE EVENT ON ddd IS COMPLETE.

ONCODE=3907. USE OF EVENT VARIABLE ddd IS INVALID BEFORE ASSOCIATED I/O EVENT ON FILE ddd IS COMPLETE. 'ERROR' CONDITION RAISED.

IEN1094I nnnX ddd ASSIGNED BEFORE EVENT ON ddd IS COMPLETE.

ONCODE=3906. ASSIGNMENT OF EVENT VARIABLE ddd IS INVALID BEFORE ASSOCIATED I/C EVENT OF FILE ddd IS COMPLETE. 'ERROR' CONDITION RAISED.

IEN1095I nnnX 'CONVERSION' RAISED. VALUE ZERO ASSIGNED TO ccc IN STATEMENT(S) nnn.

ONCODE=612. 'CONVERSION' CONDITION RAISED. ccc CANNOT BE CONVERTED TO AN ARITHMETIC VALUE. THE VALUE ZERO IS ASSIGNED TO THE CONSTANT, WHICH IS USED IN STATEMENT NUMBER(S) nnn.

IEN1096I nnnX ON UNIT WAITING FOR EVENT ddd THAT INVOKED IT.

ONCODE=3911. EVENT VARIABLE ddd IS USED IN A 'WAIT'

STATEMENT IN AN ON UNIT, BUT IS ALSO ASSOCIATED WITH THE I/O EVENT THAT CAUSED THE ON UNIT TO BE EXECUTED. 'ERROR' CONDITION RAISED.

IEN1097I nnnX ddd USED BEFORE 'DISPLAY' STATEMENT nnn IS COMPLETE.

ONCODE=3906. ASSIGNMENT OF EVENT VARIABLE ddd IS INVALID BEFORE ASSOCIATED 'DISPLAY' STATEMENT nnn IS COMPLETE. 'ERROR' CONDITION RAISED.

IEN1098I nnnX ddd ASSIGNED WHILE ddd IS ACTIVE.

ONCODE=3906. ASSIGNMENT OF EVENT VARIABLE ddd IS INVALID WHILE ASSOCIATED TASK, WITH ENTRY NAME ddd, IS ACTIVE. 'ERROR' CONDITION RAISED.

IEN1099I nnnX ddd USED WHILE ddd IS ACTIVE.

ONCODE=3907. USE OF EVENT VARIABLE ddd IS INVALID WHILE ASSOCIATED TASK, WITH ENTRY NAME ddd, IS ACTIVE. 'ERROR' CONDITION RAISED.

IEN1100I nnnX ddd USED BEFORE 'DISPLAY' STATEMENT nnn IS COMPLETE.

ONCODE=3907. USE OF EVENT VARIABLE ddd IS INVALID BEFORE ASSOCIATED 'DISPLAY' STATEMENT nnn IS COMPLETE. 'ERROR' CONDITION RAISED.

IEN1101I nnnX ddd HAS INVALID FORMAT SPECIFICATION E(ttt, ttt, ttt).

ONCODE=3000. THE FLOATING POINT FORMAT ITEM FOR DATA ITEM ddd HAS AN INVALID SPECIFICATION E(ttt, ttt, ttt). 'ERROR' CONDITION RAISED.

Explanation: Either the field is not wide enough to contain the value, or more decimal places than significant digits have been specified, or more significant digits than are permitted for this variable have been requested.

IEN1102I nnnX FIELD WIDTH FOR ddd TOO SMALL.

ONCODE=3001. FIELD WIDTH IN 'F' FORMAT SPECIFICATION FOR DATA ITEM ddd CANNOT ACCOMMODATE THAT VALUE. 'ERROR' CONDITION RAISED.

IEN1103I nnnX 'CONVERSION' RAISED FOR ttt. ON UNIT DOES NOT USE 'ONCHAR' OR 'ONSOURCE'.

ONCODE=3799. 'CONVERSION' CONDITION RAISED DUE TO INVALID CHARACTER IN STRING VARIABLE ttt, BUT ON-UNIT DOES NOT INCLUDE 'ONCHAR' OR 'ONSOURCE' PSEUDO-VARIABLE TO MODIFY CHARACTER. 'ERROR' CONDITION RAISED.

IEN1104I nnnX vvv LESS THAN 0 IN 'SQRT'.

ONCODE=1500. SHORT FLOATING-POINT ARGUMENT vvv OF

'SQRT' FUNCTION IS LESS THAN ZERO. 'ERROR' CONDITION RAISED.

IEN1105I nnnX vvv LESS THAN 0 IN 'SQRT'.

ONCODE=1501. LONG FLOATING-POINT ARGUMENT vvv OF 'SQRT' FUNCTION IS LESS THAN ZERO. 'ERROR' CONDITION RAISED.

IEN1106I nnnX vvv LESS THAN 0 IN 'SQRT'.

ONCODE=1502. EXTENDED FLOATING-POINT ARGUMENT vvv OF 'SQRT' FUNCTION IS LESS THAN ZERO. 'ERROR' CONDITION RAISED.

IEN1107I nnnX vvv LESS THAN OR EQUAL TO 0 IN 'LOG'.

ONCODE=1503. EXTENDED FLOATING-POINT ARGUMENT vvv OF 'LOG' BUILT-IN FUNCTION IS LESS THAN OR EQUAL TO ZERO. 'ERROR' CONDITION RAISED.

IEN1108I nnnX vvv LESS THAN OR EQUAL TO 0 IN 'LOG'.

ONCODE=1504. SHORT FLOATING-POINT ARGUMENT vvv OF 'LOG' BUILT-IN FUNCTION IS LESS THAN OR EQUAL TO ZERO. 'ERROR' CONDITION RAISED.

IEN1109I nnnX vvv LESS THAN OR EQUAL TO 0 IN 'LOG'.

ONCODE=1505. LONG FLOATING-POINT ARGUMENT vvv OF 'LOG' BUILT-IN FUNCTION IS LESS THAN OR EQUAL TO ZERO. 'ERROR' CONDITION RAISED.

IEN1110I nnnX ABSOLUTE VALUE vvv TOO LARGE IN 'SIN', 'COS', 'SIND', OR 'COSD'.

ONCODE=1506. ABSOLUTE VALUE OF SHORT FLOATING-POINT ARGUMENT vvv TO 'SIN', 'COS', 'SIND', OR 'COSD', BUILT-IN FUNCTION IS OUTSIDE PERMITTED RANGE. 'ERROR' CONDITION RAISED.

IEN1111I nnnX ABSOLUTE VALUE vvv TOO LARGE IN 'SIN', 'COS', 'SIND', OR 'COSD'.

ONCODE=1507. ABSOLUTE VALUE OF LONG FLOATING-POINT ARGUMENT vvv TO 'SIN', 'COS', 'SIND', OR 'COSD' BUILT-IN FUNCTION IS OUTSIDE PERMITTED RANGE. 'ERROR' CONDITION RAISED.

IEN1112I nnnX ABSOLUTE VALUE vvv TOO LARGE IN 'TAN' OR 'TAND'.

ONCODE=1508. ABSOLUTE VALUE OF SHORT FLOATING-POINT ARGUMENT vvv TO 'TAN' OR 'TAND' BUILT-IN FUNCTION IS OUTSIDE PERMITTED RANGE. 'ERROR' CONDITION RAISED.

IEN1113I nnnX ABSOLUTE VALUE vvv TOO LARGE IN 'TAN' OR 'TAND'.

ONCODE=1509. ABSOLUTE VALUE OF LONG FLOATING-POINT ARGUMENT vvv TO 'TAN' OR 'TAND' BUILT-IN FUNCTION IS OUTSIDE PERMITTED RANGE. 'ERROR' CONDITION RAISED.

IEN1114I nnnX ABSOLUTE VALUE vvv TOO LARGE IN 'SIN', 'COS', 'SIND', OR 'COSD'.

ONCODE=1517. ABSOLUTE VALUE OF EXTENDED FLOATING-POINT ARGUMENT vvv TO 'SIN', 'COS', 'SIND', OR 'COSD' BUILT-IN FUNCTION IS OUTSIDE PERMITTED RANGE. 'ERROR' CONDITION RAISED.

IEN1115I nnnX ABSOLUTE VALUE vvv TOO LARGE IN 'TAN' OR 'TAND'.

ONCODE=1522. ABSOLUTE VALUE OF EXTENDED FLOATING-POINT ARGUMENT vvv TO 'TAN' OR 'TAND' BUILT-IN FUNCTION IS OUTSIDE PERMITTED RANGE. 'ERROR' CONDITION RAISED.

IEN1116I nnnX ddd = ddd = 0 IN 'ATAN' OR 'ATAND'.

ONCODE=1510. SHORT FLOATING POINT ARGUMENTS ddd AND ddd IN 'ATAN' OR 'ATAND' BUILT-IN FUNCTION BOTH HAVE THE VALUE ZERO. ERROR CONDITION RAISED.

IEN1117I nnnX ddd = ddd = 0 IN 'ATAN' OR 'ATAND'.

ONCODE=1511. LONG FLOATING POINT ARGUMENTS ddd AND ddd IN 'ATAN' OR 'ATAND' BUILT-IN FUNCTION BOTH HAVE THE VALUE ZERO. ERROR CONDITION RAISED.

IEN1118I nnnX ddd = ddd = 0 IN 'ATAN' OR 'ATAND'.

ONCODE=1521. EXTENDED FLOATING POINT ARGUMENTS ddd AND ddd IN 'ATAN' OR 'ATAND' BUILT-IN FUNCTION BOTH HAVE THE VALUE ZERO. ERROR CONDITION RAISED.

IEN1119I nnnX IN 'ATANH', vvv, THUS ABS(ddd) NOT LT 1.

ONCODE=1514. IN 'ATANH' BUILT-IN FUNCTION, VALUE OF SHORT FLOATING POINT ARGUMENT vvv, BUT ABSOLUTE VALUE OF ddd MUST BE LESS THAN 1. ERROR CONDITION RAISED.

IEN1120I nnnX IN 'ATANH', vvv, THUS ABS(ddd) NOT LT 1.

ONCODE=1515. IN 'ATANH' BUILT-IN FUNCTION, VALUE OF LONG FLOATING POINT ARGUMENT vvv, BUT ABSOLUTE VALUE OF ddd MUST BE LESS THAN 1. ERROR CONDITION RAISED.

IEN1121I nnnX IN 'ATANH', vvv, THUS ABS(ddd) NOT LT 1.

ONCODE=1516. IN 'ATANH' BUILT-IN FUNCTION, VALUE OF EXTENDED FLOATING POINT ARGUMENT vvv, BUT ABSOLUTE VALUE OF ddd MUST BE LESS THAN 1. ERROR CONDITION RAISED.

IEN1122I nnnX IN 'ASIN' OR 'ACOS', vvv, THUS ABS(ddd) GT 1.

ONCODE=1518. IN 'ASIN' OR 'ACOS' BUILT-IN FUNCTION, VALUE OF SHORT FLOATING POINT ARGUMENT vvv, BUT ABSOLUTE VALUE OF ddd MUST NOT BE GREATER THAN 1. ERROR CONDITION RAISED.

IEN1123I nnnX IN 'ASIN' OR 'ACOS'. vvv, THUS ABS(ddd) GT 1.

ONCODE=1519. IN 'ASIN' OR 'ACOS' BUILT-IN FUNCTION, VALUE OF LONG FLOATING POINT ARGUMENT vvv, BUT ABSOLUTE VALUE OF ddd MUST NOT BE GREATER THAN 1. ERROR CONDITION RAISED.

IEN1124I nnnX IN 'ASIN' OR 'ACOS', vvv, THUS ABS(ddd) GT 1.

ONCODE=1520. IN 'ASIN' OR 'ACOS' BUILT-IN FUNCTION, VALUE OF EXTENDED FLOATING POINT ARGUMENT vvv, BUT ABSOLUTE VALUE OF ddd MUST NOT BE GREATER THAN 1. ERROR CONDITION RAISED.

IEN1125I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL AND POSITIVE.

ONCODE=1550. IN EXPONENTIATION, IF VALUE OF BASE = 0, THEN VALUE OF EXPONENT MUST BE POSITIVE. IN ddd\*\*ddd, THE REAL SHORT FLOATING POINT BASE ddd = 0 BUT THE INTEGER EXPONENT vvv. ERROR CONDITION RAISED.

IEN1126I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL AND POSITIVE.

ONCODE=1551. IN EXPONENTIATION, IF VALUE OF BASE = 0, THEN VALUE OF EXPONENT MUST BE POSITIVE. IN ddd\*\*ddd, THE REAL LONG FLOATING POINT BASE ddd = 0 BUT THE INTEGER EXPONENT vvv. ERROR CONDITION RAISED.

IEN1127I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL AND POSITIVE.

ONCODE=1552. IN EXPONENTIATION, IF VALUE OF BASE = 0, THEN VALUE OF EXPONENT MUST BE REAL AND POSITIVE. IN ddd\*\*ddd, THE REAL SHORT FLOATING POINT BASE ddd VALUE = 0 BUT THE REAL SHORT FLOATING POINT EXPONENT vvv. ERROR CONDITION RAISED.

IEN1128I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL AND POSITIVE.

ONCODE=1553. IN EXPONENTIATION, IF VALUE OF BASE = 0, THEN VALUE OF EXPONENT MUST BE REAL AND POSITIVE. IN ddd\*\*ddd, THE REAL LONG FLOATING POINT BASE ddd VALUE = 0 BUT THE REAL LONG FLOATING POINT EXPONENT vvv. ERROR CONDITION RAISED.

IEN1129I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL AND POSITIVE.

ONCODE=1554. IN EXPONENTIATION, IF VALUE OF BASE = 0, THEN VALUE OF EXPONENT MUST BE REAL AND POSITIVE. IN

ddd\*\*ddd, THE COMPLEX SHORT FLOATING POINT BASE ddd  
VALUE = 0 BUT THE COMPLEX SHORT FLOATING POINT EXPONENT  
vvv. ERROR CONDITION RAISED.

IEN1130I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL  
AND POSITIVE.  
  
ONCODE=1556. IN EXPONENTIATION, IF VALUE OF BASE = 0,  
THEN VALUE OF EXPONENT MUST BE REAL AND POSITIVE. IN  
ddd\*\*ddd, THE COMPLEX SHORT FLOATING POINT BASE ddd HAS  
VALUE = 0 BUT THE COMPLEX SHORT FLOATING POINT EXPONENT  
IS vvv. ERROR CONDITION RAISED.

IEN1131I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL  
AND POSITIVE.  
  
ONCODE=1557. IN EXPONENTIATION, IF VALUE OF BASE = 0,  
THEN VALUE OF EXPONENT MUST BE REAL AND POSITIVE. IN  
ddd\*\*ddd, THE COMPLEX LONG FLOATING POINT BASE ddd  
VALUE = 0 BUT THE COMPLEX LONG FLOATING POINT EXPONENT  
vvv. ERROR CONDITION RAISED.

IEN1132I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL  
AND POSITIVE.  
  
ONCODE=1560. IN EXPONENTIATION, IF VALUE OF BASE = 0,  
THEN VALUE OF EXPONENT MUST BE POSITIVE. IN ddd\*\*ddd,  
THE EXTENDED FLOATING POINT BASE ddd=0 BUT THE INTEGER  
EXPONENT vvv. ERROR CONDITION RAISED.

IEN1133I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL  
AND POSITIVE.  
  
ONCODE=1561. IN EXPONENTIATION, IF VALUE OF BASE = 0,  
THEN VALUE OF EXPONENT MUST BE POSITIVE. IN ddd\*\*ddd,  
THE REAL EXTENDED FLOATING POINT BASE ddd = 0 BUT THE  
REAL EXTENDED FLOATING POINT EXPONENT vvv. ERROR  
CONDITION RAISED.

IEN1134I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL  
AND POSITIVE.  
  
ONCODE=1562. IN EXPONENTIATION, IF VALUE OF BASE = 0,  
THEN VALUE OF EXPONENT MUST BE POSITIVE. IN ddd\*\*ddd,  
THE COMPLEX EXTENDED FLOATING POINT BASE ddd = 0 BUT  
THE INTEGER EXPONENT vvv. ERROR CONDITION RAISED.

IEN1135I nnnX IN ddd\*\*ddd, ddd VALUE = 0 AND vvv, BUT MUST BE REAL  
AND POSITIVE.  
  
ONCODE=1563. IN EXPONENTIATION, IF VALUE OF BASE = 0,  
THEN VALUE OF EXPONENT MUST BE POSITIVE. IN ddd\*\*ddd,  
THE COMPLEX EXTENDED FLOATING POINT BASE ddd = 0 BUT  
THE COMPLEX EXTENDED FLOATING POINT EXPONENT vvv. ERROR  
CONDITION RAISED.

IEN1137I nnnX IN 'ATAN' OR 'ATANH', vvv. INVALID VALUE.

ONCODE=1558. IN 'ATAN' OR 'ATANH' BUILT-IN FUNCTION THE COMPLEX SHORT FLOATING PCINT ARGUMENT IS vvv. FOR 'ATAN', VALUE OF IMAGINARY PART OF ARGUMENT MUST NOT BE +1I OR -1I. FOR 'ATANH', VALUE OF REAL PART OF ARGUMENT MUST NOT BE +1 OR -1. ERROR CONDITION RAISED.

IEN1138I nnnX IN 'ATAN' OR 'ATANH', vvv. INVALID VALUE.

ONCODE=1559. IN 'ATAN' OR 'ATANH' BUILT-IN FUNCTION, THE COMPLEX LONG FLOATING POINT ARGUMENT vvv. FOR 'ATAN', VALUE OF IMAGINARY PART OF ARGUMENT MUST NOT BE +1I OR -1I. FOR 'ATANH', VALUE OF REAL PART OF ARGUMENT MUST NOT BE +1 OR -1. ERROR CONDITION RAISED.

IEN1139I nnnX IN 'ATAN' OR 'ATANH', vvv. INVALID VALUE.

ONCODE=1564. IN 'ATAN' OR 'ATANH' BUILT-IN FUNCTION, THE COMPLEX EXTENDED FLOATING PCINT ARGUMENT vvv. FOR 'ATAN'. VALUE OF IMAGINARY PART OF ARGUMENT MUST NOT BE +1I OR -1I. FOR 'ATANH', VALUE OF REAL PART OF ARGUMENT MUST NOT BE +1 OR -1. ERROR CONDITION RAISED.

IEN1140I nnnX 'SIZE' RAISED FOR BUILT-IN FUNCTION.

ONCODE=340. 'SIZE' CONDITION RAISED WHILE EVALUATING A BUILT-IN FUNCTION. 'ERROR' CONDITION RAISED.

IEN1141I nnnX 'SIZE' RAISED FOR ddd.

ONCODE=340. 'SIZE' CONDITION RAISED FOR CONTROL VARIABLE ddd FOR ITERATIVE DO-GROUP. 'ERROR' CONDITION RAISED.

IEN1142I nnnX ddd STRING SIZE EXCEEDED.

ONCODE=1002. ddd USED IN 'GET STRING' OR 'PUT STRING' STATEMENT IS SHORTER THAN TOTAL DATA LIST.

IEN1143I nnnX OUTPUT TO ddd PREVENTED BY PREVIOUS 'TRANSMIT' CONDITION.

ONCODE=1003. FURTHER OUTPUT CANNOT BE WRITTEN TO FILE ddd DUE TO 'TRANSMIT' OR 'KEY' CONDITION RAISED PREVIOUSLY. 'ERROR' CONDITION RAISED.

Explanation: You must not write any more output on a file (other than one associated with a printer) for which the TRANSMIT or KEY condition has been raised.

IEN1144I nnnX INVALID 'PAGE' OR 'LINE' FOR FILE ddd.

ONCODE=1004. THE 'PAGE' OR 'LINE' OPTICN OR FORMAT ITEM HAS BEEN USED WHEN ACCESSING FILE ddd WHICH IS A NON-PRINT FILE. 'ERROR' CONDITION RAISED.

IEN1145I nnnX LENGTH OF ddd OR ddd IS ZERO.

ONCODE=1005. IN 'DISPLAY' STATEMENT EITHER SOURCE STRING ddd OR 'REPLY' STRING ddd HAS ZERO LENGTH. 'ERROR' CONDITION RAISED.

IEN1146I nnnX NO 'READ' BEFORE ddd FOR FILE ddd.

ONCODE=1007. A ddd STATEMENT FOR FILE ddd HAS NOT BEEN PRECEDED BY A 'READ SET' OR 'READ INTO' STATEMENT FOR THAT FILE. 'ERROR' CONDITION RAISED.

IEN1147I nnnX STRING ddd SPECIFICATION INVALID.

ONCODE=1008. SPECIFICATION OF ELEMENT VARIABLE IN STRING ddd IS INVALID, OR EQUAL SIGN IS MISSING. 'ERROR' CONDITION RAISED.

IEN1148I nnnX INVALID OPERATION FOR FILE ddd.

ONCODE=1009. ATTEMPT TO PERFORM AN OPERATION WHICH IS INVALID FOR FILE ddd. 'ERROR' CONDITION RAISED.

Explanation: The operation specified conflicts with the attributes of the specified file. The possible conflicts are:

<u>Operation</u>	<u>Conflicting Attributes</u>
Any record I/O	STREAM
READ	OUTPUT
READ SET	UNBUFFERED
READ EVENT	BUFFERED
READ KEY	ENV(REGIONAL) SEQUENTIAL or ENV(CONSECUTIVE)
READ IGNORE	DIRECT
READ NOLOCK	SEQUENTIAL or INPUT
WRITE	INPUT or ENV(INDEXED) SEQUENTIAL UPDATE or ENV(INDEXED) DIRECT NOWRITE or ENV(REGIONAL) without KEYED
WRITE EVENT	BUFFERED
REWRITE	INPUT or OUTPUT
REWRITE without FROM	UNBUFFERED or DIRECT
REWRITE KEY	SEQUENTIAL
REWRITE EVENT	BUFFERED
LOCATE	INPUT or UPDATE or UNBUFFERED or DIRECT
LOCATE KEYFROM	ENV(INDEXED) without KEYED or ENV(REGIONAL) without KEYED
DELETE	INPUT or OUTPUT or ENV(CONSECUTIVE) or ENV(REGIONAL) SEQUENTIAL or ENV(FB VB DB) with RKP=0 or OPTCD=L not used in DCB parameter when data set created
DELETE KEY	SEQUENTIAL
UNLOCK	INPUT or OUTPUT or SEQUENTIAL

IEN1149I nnnX I/O ERROR. CAUSE NOT KNOWN.

ONCODE=1011. EXECUTION OF AN INPUT/OUTPUT STATEMENT HAS FAILED. NO REASON HAS BEEN PROVIDED BY THE DATA

MANAGEMENT FACILITY. ERROR CONDITION RAISED. IEN1150I  
nnnX ddd FOR ddd INVALID BEFORE 'READ' COMPLETE.

ONCODE=1013. ATTEMPT TO EXECUTE ddd STATEMENT FOR FILE  
ddd BEFORE PREVIOUS 'READ' OPERATION IS COMPLETE.  
'ERROR' CONDITION RAISED.

Explanation: The REWRITE or DELETE statement was  
executed before a preceding READ statement with an  
EVENT option for this sequential file had been  
completed. Use the WAIT statement to  
check for completion.

IEN1151I nnnX TOO MANY OUTSTANDING I/O OPERATIONS ON ddd.

ONCODE=1014. NUMBER OF OUTSTANDING I/O OPERATIONS ON  
FILE ddd EXCEEDS NUMBER OF CHANNEL PROGRAMS. 'ERROR'  
CONDITION RAISED.

Explanation: The number of channel programs is  
specified in the DCB parameter in the DD statement, or  
in the NCP option of the ENVIRONMENT attribute. The  
default is 1.

IEN1152I nnnX UNABLE TO OPEN FILE ddd IN ddd STATEMENT.

ONCODE=1016. UNABLE TO OPEN FILE ddd SPECIFIED IN ddd  
STATEMENT. DD STATEMENT MAY BE MISSING OR INVALID.  
'ERROR' CONDITION RAISED.

IEN1153I nnnX END OF FILE ddd BEFORE END OF LIST.

ONCODE=1018. END OF FILE ENCOUNTERED FOR FILE ddd WHEN  
EXECUTING 'GET' STATEMENT. SUBSEQUENT DATA ITEMS ARE  
NOT ASSIGNED NEW VALUES. 'ERROR' CONDITION RAISED.

IEN1154I nnnX ATTEMPT TO CLOSE ddd BUT NOT OPENED IN CURRENT TASK.

ONCODE=1019. ATTEMPT TO CLOSE FILE ddd IN CURRENT  
TASK, WHICH DID NOT OPEN IT. 'ERROR' CONDITION RAISED.

Explanation: A file must be closed in the task that  
opened it.

IEN1155I nnnX ddd USED BEFORE PREVIOUS 'READ' COMPLETE.

ONCODE=1020. I/O OPERATION ON DIRECT INDEXED FILE ddd  
IS INVALID BEFORE PREVIOUS 'READ' STATEMENT IS  
COMPLETED BY 'WAIT' STATEMENT. 'ERROR' CONDITION  
RAISED.

Explanation: The I/O statement was executed before a  
preceding READ statement with an EVENT option had been  
completed. Use the WAIT statement to check for  
completion.

IEN1156I nnnX 'SIGNAL ATTENTION' EXECUTED.

ONCODE=400. 'ATTENTION' CONDITION RAISED BY 'SIGNAL'  
STATEMENT.

IEN1157I nnnX ddd EXCEEDS LIMIT OF 2\*\*24 BYTES.

ONCODE=3800. LENGTH OF AGGREGATE ddd EXCEEDS SYSTEM LIMIT OF 2\*\*24 BYTES. 'ERROR' CONDITION RAISED.

Explanation: The method used by the compiler to record the relative positions of elements in a structure or array imposes a limit of 2\*\*24 on the length of the structure or array. The error is probably caused by a variable extent having an incorrect value.

IEN1158I nnnX ddd HAS TOO MANY DIMENSIONS FOR COBOL OR FORTRAN.

ONCODE=3802. ARRAY ddd, USED AS INTERLANGUAGE ARGUMENT OR PARAMETER, HAS MORE THAN 3 DIMENSIONS FOR COBOL OR 7 DIMENSIONS FOR FORTRAN. 'ERROR' CONDITION RAISED.

Explanation: Arrays in COBOL are limited to 3 dimensions. Arrays in FORTRAN are limited to 7 dimensions.

IEN1159I nnnX ALL TASKS WAITING. TASKS ARE AT STATEMENTS nnn.

ALL TASKS ARE WAITING. PROGRAM TERMINATED WITHOUT RAISING A CONDITION. TASKS ARE AT STATEMENT(S) nnn.

Explanation: The program cannot continue because all tasks are waiting for events to complete.

IEN1160I nnnX 'HALT' EXECUTED.

'HALT' STATEMENT EXECUTED. ENTER IMMEDIATE MODE STATEMENTS OR SUBCOMMANDS.

IEN1161I nnnX DEVICE TYPE FOR ddd CONFLICTS WITH ATTRIBUTE(S) AT 'OPEN'.

ONCODE=82. 'UNDEFINEDFILE' CONDITION RAISED. WHEN OPENING FILE ddd, DEVICE TYPE CONFLICTS WITH ATTRIBUTE(S). 'ERROR' CONDITION RAISED.

Explanation: The auxiliary storage device associated with the file conflicts with the attributes specified for the file. The possible conflicts are:

<u>Device</u>	<u>Conflicting Attributes</u>
Paper Tape Device	OUTPUT or UPDATE
Magnetic Tape Device	UPDATE
Printer	INPUT or UPDATE
All except Magnetic Tape	BACKWARDS

IEN1162I nnnX 'STRINGRANGE' RAISED WITH SOURCE ddd, ARGUMENT(S) vvv.

ONCODE=350. THE 'STRINGRANGE' CONDITION HAS BEEN RAISED. NORMAL ACTION IS TO RETURN TO THE POINT OF INTERRUPT AND CONTINUE. THE SOURCE STRING WAS ddd AND THE ARGUMENT(S) vvv.

Explanation: One of the arguments of the SUBSTR built-in function is invalid.

IEN1163I nnnX 'FIXEDOVERFLOW' RAISED FOR ddd.

ONCODE=310. 'FIXEDOVERFLOW' CONDITION RAISED FOR CONTROL VARIABLE ddd FOR ITERATIVE DO-GROUP. 'ERROR' CONDITION RAISED.

IEN1164I nnnX IN ddd\*\*ddd, ddd = 0 AND vvv, BUT MUST BE POSITIVE.

ONCODE=1555. IN EXPONENTIATION, IF VALUE OF BASE = 0, THEN VALUE OF EXPONENT MUST BE REAL AND POSITIVE. IN ddd\*\*ddd, THE COMPLEX LONG FLOATING POINT BASE ddd VALUE = 0 BUT THE COMPLEX LONG FLOATING POINT EXPONENT vvv. ERROR CONDITION RAISED.

IEN1165I nnnX

INVALID 'KEYLOC' OR 'RKP' FOR ddd. ONCODE=86. 'UNDEFINEDFILE' CONDITION RAISED. WHEN OPENING FILE ddd, VALUE OF 'KEYLOC' OR 'RKP' PLACES KEY OUTSIDE RECORD OR IN FIRST 4 BYTES OF V-FORMAT RECORD. 'ERROR' CONDITION RAISED.

IEN1166I nnnX

'CONVERSION' RAISED. VALUE '0'B ASSIGNED TO ccc IN STATEMENT(S) nnn.

ONCODE=615. 'CONVERSION' CONDITION RAISED. ccc CANNOT BE CONVERTED TO A BIT STRING VALUE. THE VALUE '0'B IS ASSIGNED TO THE CONSTANT, WHICH IS USED IN STATEMENT NUMBER(S) nnn.

IEN1167I nnnX

OVERFLOW EXCEPTION UNPROCESSED.

ONE OF THE UNPROCESSED EXCEPTIONS IS AN OVERFLOW EXCEPTION.

IEN1168I nnnX

FIELD WIDTH INVALID IN 'GET'.

ONCODE=3004. FIELD WIDTH INVALID OR MISSING IN 'A' FORMAT SPECIFICATION FOR 'GET FILE' OR 'GET STRING' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: A field width must always be specified for A format items for an input file.

IEN1169I nnnX

FIELD WIDTH INVALID IN 'GET'.

ONCODE=3005. FIELD WIDTH INVALID OR MISSING IN 'B' FORMAT SPECIFICATION FOR 'GET FILE' OR 'GET STRING' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: A field width must always be specified for B format items for an input file.

IEN1170I nnnX

vvv DOES NOT MATCH 'PICTURE' ddd.

ONCODE=3006. VALUE OF SOURCE VARIABLE vvv DOES NOT

MATCH THE 'PICTURE' SPECIFICATION OF CHARACTER STRING  
ddd. 'ERROR' CONDITION RAISED.

IEN1171I nnnX TRANSLATION ERROR nnn IN ccc EXPRESSION FOR ddd.

ONCODE=3. ERROR nnn WAS FOUND DURING TRANSLATION OF  
THE ccc EXPRESSION IN THE DECLARATION OF ddd. NORMAL  
RETURN FROM AN 'ON ERROR' UNIT WILL TERMINATE THE  
CURRENT TASK.

Explanation: This is a special case of the situation  
identified by message IEN1173I. The statement was  
replaced by 'SIGNAL ERROR' during translation, but  
normal return from an on-unit for the ERROR condition  
will terminate the task instead of giving control to  
the next executable statement.

IEN1172I nnnX 'TIME' NOT EXECUTED, NO TIMER.

ONCODE=2001. THE 'TIME' BUILT-IN FUNCTION CANNOT BE  
EXECUTED AS A TIMER IS NOT PRESENT IN THE SYSTEM. THE  
FUNCTION IS IGNORED. 'ERROR' CONDITION RAISED.

IEN1173I nnnX TRANSLATION ERROR nnn.

ONCODE=3. DURING TRANSLATION, THE CURRENT STATEMENT  
WAS REPLACED BY 'SIGNAL ERROR' DUE TO ERROR SPECIFIED  
IN MESSAGE nnn. NORMAL RETURN WILL GIVE CONTROL TO THE  
NEXT EXECUTABLE STATEMENT.

Explanation: Note the following special cases:

The next executable statement for the first part of an  
IF statement is the THEN clause. The next executable  
statement for the last or only statement of a THEN  
clause is the ELSE clause if one is present. If the  
error is in an iterative DO statement, the statement  
will be replaced by a non-iterative DO statement.  
However, it is still invalid to branch into the do-  
group.

IEN1174I nnnX 'STRINGSIZE' RAISED, CONVERSION vvv TO ddd.

ONCODE=150. 'STRINGSIZE' CONDITION. IN STRING  
CONVERSION, SOURCE VARIABLE vvv IS LONGER THAN TARGET  
VARIABLE ddd. TRUNCATION TAKES PLACE ON THE RIGHT.  
EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.

IEN1175I nnnX 'STRINGSIZE' RAISED, vvv 'CAT' vvv LONGER THAN ddd.

ONCODE=150. 'STRINGSIZE' CONDITION. IN STRING  
ASSIGNMENT, SOURCE EXPRESSION vvv CONCATENATED WITH vvv  
IS LONGER THAN TARGET VARIABLE ddd. TRUNCATION TAKES  
PLACE FROM THE RIGHT. EXECUTION CONTINUES FROM THE  
POINT OF INTERRUPT.

IEN1176I nnnX 'ENDPAGE' RAISED FOR ddd.

ONCODE=90. 'ENDPAGE' CONDITION FOR FILE ddd HAS BEEN

RAISED.

Explanation: This message is produced only when an ENDPAGE on-unit that includes SNAP SYSTEM is present in the program.

IEN1177I nnnX 'STRINGSIZE' RAISED, vvv 'AND' vvv LONGER THAN ddd.

ONCODE=150. 'STRINGSIZE' CONDITION. IN BIT-STRING ASSIGNMENT, SOURCE EXPRESSION vvv 'AND' vvv IS LONGER THAN TARGET VARIABLE ddd. TRUNCATION TAKES PLACE ON THE RIGHT. EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.

IEN1178I nnnX 'STRINGSIZE' RAISED, vvv 'OR' vvv LONGER THAN ddd.

ONCODE=150. 'STRINGSIZE' CONDITION. IN BIT-STRING ASSIGNMENT, SOURCE EXPRESSION vvv 'OR' vvv IS LONGER THAN TARGET VARIABLE ddd. TRUNCATION TAKES PLACE ON THE RIGHT. EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.

IEN1179I nnnX 'STRINGSIZE' RAISED, 'NOT' vvv LONGER THAN ddd.

ONCODE=150. 'STRINGSIZE' CONDITION. IN BIT-STRING ASSIGNMENT, SOURCE EXPRESSION 'NOT' vvv IS LONGER THAN TARGET VARIABLE ddd. TRUNCATION TAKES PLACE ON THE RIGHT. EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.

IEN1180I nnnX INVALID CALL TO ddd VIA ENTRY VARIABLE ddd.

ONCODE=9003. INVALID SUBROUTINE CALL. THE GENERATION OF THE BLOCK CONTAINING ENTRY CONSTANT ddd, THAT EXISTED WHEN ENTRY VARIABLE ddd WAS ASSIGNED, IS NO LONGER ACTIVE.

Explanation: Each time a block is invoked a new generation is created in main storage. When the block is terminated, that generation is no longer available to the program.

IEN1181I nnnX INVALID ATTEMPT TO ENTER ddd.

ONCODE=9003. INVALID ATTEMPT TO ENTER ENTRY POINT ddd FROM AN OPTIMIZING COMPILED PROCEDURE WHEN APPROPRIATE GENERATION OF ITS CONTAINING BLCK IS NO LONGER ACTIVE.

Explanation: This is a special case of the error described in message IEN1180I. The subroutine call was in a procedure compiled by the PL/I optimizing compiler.

IEN1182I nnnX ATTN.

PROGRAM HAS HALTED OWING TO ATTN KEY BEING PRESSED. ENTER SUBCOMMAND OR IMMEDIATE PL/I STATEMENT.

IEN1183I nnnX VALUE OF ttt INVALID FOR nnn.

ONCODE=4055. VALUE OF POINTER ttt IS NOT AN ADDRESS WITHIN THE AREA VARIABLE ASSOCIATED WITH OFFSET VARIABLE nnn. 'ERROR' CONDITION RAISED.

\*

IEN1184I nnnX 'FINISH' RAISED.

ONCODE=4. 'FINISH' CONDITION RAISED.

Explanation: This message applies only when the compiler is used in a TSO environment. Control is passed to the terminal when the FINISH condition is raised so that you can enter further input before the program terminates.

IEN1185I nnnX UNABLE TO MAP ddd.

ONCODE=3801. COMPILER RESTRICTION. ARRAY ddd CANNOT BE MAPPED BECAUSE AN INTERNAL VALUE EXCEEDS THE PERMITTED LIMIT.

Explanation: The method used by the compiler to record the relative positions of elements in a structure of arrays imposes a limit of 2\*\*32 on the length of the array. The error is probably caused by a variable extent having an incorrect value.

IEN1186I nnnX ddd UNRESOLVED.

ONCODE=9004. REFERENCE TO ENTRY POINT ddd HAS NOT BEEN RESOLVED BY THE LINK-EDITING STEP.

Explanation: References to external entry points must be resolved by a process known as link-editing between translation and interpretation. Either link-editing was not performed for this program, or the NCAL option applied during link-editing so that references that could not be resolved were ignored.

IEN1187I nnnX 'ERROR' RAISED.

ONCODE=3. 'ERROR' CONDITION RAISED.

Explanation: This message may be produced as part of the standard system action for raising error. In a conversational environment, control is passed to the terminal when the ERROR condition is raised so that you can control continuation of the program.

IEN1188I nnnX ddd INVOKED BEFORE 'PUT' FOR SYSPRINT COMPLETE.

ONCODE=3912. ATTEMPT TO INVOKE TASK ddd BEFORE 'PUT' STATEMENT FOR FILE SYSPRINT IS COMPLETE COULD CAUSE PERMANENT 'WAIT' STATE. 'ERROR' CONDITION RAISED.

Explanation: You must not invoke another task while a PUT statement for the SYSPRINT file is incomplete, because if the second task executed a similar statement, the two tasks would be waiting for each

**other. Use the WAIT statement to check completion of the PUT statement.**

IEN1189I nnnX NO MEMBER ttt OF SYSITEXT FOR nnn.

THE MEMBER ttt OF THE SYSITEXT FILE FOR THE EXTERNAL PROCEDURE ENTERED AT nnn CANNOT BE FOUND ON THE SPECIFIED LIBRARY. THE PROCEDURE CANNOT BE ENTERED. EXECUTION TERMINATED.

IEN1190I nnnX I/O ERROR FOR MEMBER ttt OF SYSITEXT.

A PERMANENT I/O ERROR HAS OCCURRED WHEN TRYING TO FIND THE MEMBER ttt OF THE SYSITEXT FILE. EXECUTION TERMINATED.

IEN1191I nnnX INVALID ASSIGNMENT TO LABEL vvv.

THE LABEL BEING ASSIGNED TO LABEL vvv IS NOT A MEMBER OF THE CORRESPONDING LABEL LIST.

IEN1192I nnnX 'SIZE' RAISED WHEN ASSIGNING vvv TO ddd.

ONCODE=340. 'SIZE' CONDITION RAISED WHEN ASSIGNING vvv TO ddd. 'ERROR' CONDITION RAISED.

IEN1193I nnnX WRONG NUMBER OF ARGUMENTS FOR ddd.

ONCODE=5000. NUMBER OF ARGUMENTS PASSED TO ENTRY POINT ddd DOES NOT MATCH NUMBER OF PARAMETERS. 'ERROR' CONDITION RAISED.

IEN1194I nnnX ARGUMENT nnn, PASSED TO ddd, HAS WRONG ATTRIBUTES.

ONCODE=5001. THE ATTRIBUTES OF ARGUMENT nnn PASSED TO ddd DO NOT MATCH THOSE OF THE CORRESPONDING PARAMETERS. 'ERROR' CONDITION RAISED.

Explanation: The attributes of an argument passed to another external procedure must match those of the corresponding parameter in that procedure, unless the fact that different attributes are to be used has been specified in the calling procedure, using a parameter descriptor list for the declaration of the entry point. In that case, the argument will be converted before being passed.

IEN1195I nnnX WRONG ATTRIBUTES FOR VALUE RETURNED FROM ddd.

ONCODE=5002. EXPECTED ATTRIBUTES FOR VALUE RETURNED FROM PROCEDURE ENTERED AS ENTRY POINT ddd DO NOT MATCH THOSE IN THE 'RETURNS' SPECIFICATION. 'ERROR' CONDITION RAISED.

Explanation: The attributes of a value returned from a function procedure must match those specified in the RETURNS attribute, in the calling procedure, for the entry point used.

IEN1196I nnnX 'STEP' SECONDARY ALLOCATION EXHAUSTED.  
 THE SECONDARY ALLOCATION FOR THE 'STEP' OPTION HAS BEEN EXHAUSTED. EXECUTION IS TERMINATED.

IEN1197I nnnX 'STEP'.  
 'STEP' COUNT EXHAUSTED. SAME LIMIT ASSUMED UNLESS 'STEP' SUBCOMMAND ENTERED.  
Explanation: When the compiler is used in a TSO environment, control is passed to the terminal each time the number of statements specified by the STEP compiler option is executed. Enter a GO subcommand to continue processing.

IEN1198I nnnX 'STEP' ALLOCATION EXHAUSTED. SECONDARY ALLOCATION OF nnn GIVEN AND 'ERROR' RAISED.  
 ONCODE=9100. THE NUMBER OF STATEMENTS SPECIFIED IN THE 'STEP' OPTION HAS BEEN EXECUTED. A SECONDARY ALLOCATION OF nnn (SPECIFIED DURING GENERATION OF YOUR SYSTEM) HAS BEEN RESERVED TO ALLOW DIAGNOSTIC TESTING, AND THE 'ERROR' CONDITION RAISED.

IEN1199I nnnX VALUE OF '\*' EXTENT FOR ddd IS UNKNOWN.  
 ONCODE=4002. NO VALUE HAS BEEN SPECIFIED IN THIS OR A PREVIOUS ALLOCATE STATEMENT FOR AN '\*' EXTENT FOR CONTROLLED VARIABLE ddd. 'ERROR' CONDITION RAISED.  
Explanation: If an asterisk is used to specify an extent for a controlled variable, then the actual value must be specified in the first ALLOCATE statement for the variable.

IEN1200I nnnX 'ERROR' SIGNALED.  
 ONCODE=9. 'ERROR' CONDITION RAISED BY 'SIGNAL' STATEMENT.

IEN1201I nnnX NO VALID ALLOCATION OF ddd IN ddd.  
 ONCODE=4051. THE LOCATOR QUALIFYING BASED VARIABLE ddd DOES NOT ADDRESS A VALID ALLOCATION OF BASED STORAGE WITHIN AREA ddd. 'ERROR' CONDITION RAISED.  
Explanation: This attempt to free an allocation of a based variable in an area is invalid. The based variable is not allocated in an area; it is an aggregate of which part has already been freed; or it does not have the same attributes as the item that was allocated at the location specified by the locator.

IEN1202I nnnX LOCATOR FOR ddd ADDRESSES WRONG STORAGE.  
 ONCODE=4050. THE LOCATOR QUALIFYING BASED VARIABLE ddd DOES NOT ADDRESS A VALID ALLOCATION OF BASED STORAGE, OR ADDRESSES AN ALLOCATION WITHIN AN AREA FOR WHICH THE

'IN' OPTION HAS NOT BEEN SPECIFIED. 'ERROR' CONDITION RAISED.

Explanation: This attempt to access an allocation of a based variable is invalid. The locator for the based variable does not specify an allocation of based storage, or the based variable is in an area but the IN option is not used, or the based variable is part of an aggregate.

IEN1203I nnnX ddd HAS WRONG LENGTH.

ONCODE=4052. LENGTH OF BASED VARIABLE ddd DOES NOT MATCH LENGTH OF BASED VARIABLE REFERENCED WHEN THIS GENERATION OF STORAGE WAS ALLOCATED. 'ERROR' CONDITION RAISED.

Explanation: This attempt to free an allocation of a based variable is invalid because the based variable does not have the same length as the item that was allocated at the location specified by the locator.

IEN1204I nnnX 'STEPLINES' EXHAUSTED.

THE 'STEPLINES' COUNT HAS BEEN EXHAUSTED. THE SAME VALUE WILL BE ASSUMED WHEN EXECUTION IS RESUMED.

Explanation: When the compiler is used in a TSO environment, control is passed to the terminal each time the number of lines specified by the STEPLINES compiler option is written on the SYSPRINT file. Enter a GO subcommand to continue processing.

IEN1205I nnnX PRIMARY 'STEPLINES' EXHAUSTED. SECONDARY VALUE=nnn.

ONCODE=9101. THE PRIMARY 'STEPLINES' COUNT HAS BEEN EXHAUSTED. 'ERROR' CONDITION RAISED. SECONDARY VALUE=nnn.

Explanation: The number of lines specified by the STEPLINES compiler option has been written on the SYSPRINT file. A secondary allocation (specified during generation of your system) has been reserved to allow the program to write diagnostic information.

IEN1206I nnnX SECONDARY 'STEPLINES' EXHAUSTED.

THE SECONDARY 'STEPLINES' COUNT HAS BEEN EXHAUSTED. EXECUTION HAS BEEN TERMINATED.

IEN1207I nnnX ARGUMENT PASSED, BUT ddd HAS NO PARAMETER LIST.

AN ARGUMENT IS BEING PASSED TO MAIN PROCEDURE ddd, BUT THE PROCEDURE HAS NO PARAMETER LIST. ARGUMENT IGNORED.

Explanation: An argument has been passed to the main procedure via the EXEC statement or TSO command that caused the program to be executed.

IEN1208I nnnX ARGUMENT NOT PASSED, BUT ddd HAS PARAMETER.

NO ARGUMENT PASSED TO MAIN PROCEDURE ddd, BUT THE PROCEDURE HAS A PARAMETER. IF PARAMETER IS A CHARACTER STRING WITH FIXED CONSTANT LENGTH, THEN A STRING OF BLANK CHARACTERS IS ASSUMED, ELSE A NULL STRING.

Explanation: The argument for the main procedure can be specified in the EXEC statement or TSO command that caused the program to be executed.

IEN1209I nnnX FOR ddd, ATTRIBUTE(S) CONFLICT(S) WITH DEFAULT 'CONSECUTIVE'.

ONCODE=82. 'UNDEFINEDFILE' CONDITION RAISED WHEN OPENING FILE ddd AT OPEN. ATTRIBUTE(S) CONFLICT(S) WITH THE DEFAULT 'CONSECUTIVE' OPTION OF THE 'ENVIRONMENT' ATTRIBUTE. 'ERROR' CONDITION RAISED.

IEN1210I nnnX 'HALT' OPTION.

THE 'HALT' OPTION CAUSES CONTROL TO BE PASSED TO THE TERMINAL WHEN AN EXTERNAL PROCEDURE IS ENTERED FOR THE FIRST TIME.

IEN1211I nnnX 'PENDING' RAISED FOR ttt.

ONCODE=100. 'PENDING' CONDITION HAS BEEN RAISED FOR FILE ttt.

IEN1212I nnnX ABEND. USER CODE=nnn.

ONCODE=9050. ABNORMAL END OF PROGRAM DUE TO EXECUTION OF 'ABEND' MACRO FROM THE PROBLEM PROGRAM. USER CODE=nnn. 'ERROR' CONDITION RAISED.

Explanation: If the ABEND macro was not issued in an assembler-language subroutine, it is due to the program erroneously executing an 'ABEND' SVC instruction. This could be caused by an invalid branch, or overwriting of machine code.

IEN1213I nnnX ABEND. SYSTEM CODE=nnn.

ONCODE=9050. ABNORMAL END OF PROGRAM DUE TO EXECUTION OF 'ABEND' MACRO FROM THE OPERATING SYSTEM. SYSTEM CODE=nnn. 'ERROR' CONDITION RAISED.

Explanation: The system code specified in the message is explained in the manual OS/360 Messages and Codes.

IEN1214I nnnX ONSOURCE=ddd. 'CONVERSION' RAISED FOR ddd FROM STRING ddd.

ONCODE=606. ONSOURCE=ddd. 'CONVERSION' CONDITION RAISED DUE TO A NON-ARITHMETIC CHARACTER BEING FOUND WHEN ASSIGNING TO ARITHMETIC ITEM ddd FROM STRING ddd, USING E-FORMAT ITEM. 'ERROR' CONDITION RAISED.

IEN1215I nnnX      ONSOURCE=ddd. 'CONVERSION' RAISED FOR ddd FROM STRING  
ddd.

ONCODE=609.   ONSOURCE=ddd. 'CONVERSION' CONDITION  
RAISED DUE TO NON-BINARY CHARACTER BEING FOUND WHEN  
ASSIGNING TO BIT STRING ddd FROM STRING ddd, USING B-  
FORMAT ITEM. 'ERROR' CONDITION RAISED.

IEN1216I nnnX      ONSOURCE=ddd. 'CONVERSION' RAISED FOR ddd FROM FILE  
ddd.

ONCODE=610.   ONSOURCE=ddd. 'CONVERSION' CONDITION  
RAISED DUE TO NON-BINARY CHARACTER BEING FOUND WHEN  
ASSIGNING TO BIT STRING ddd FROM FILE ddd, USING B-  
FORMAT ITEM. 'ERROR' CONDITION RAISED.

IEN1217I nnnX      ONSOURCE=ttt. 'CONVERSION' RAISED AFTER 'TRANSMIT' FOR  
ddd FROM FILE ddd.

ONCODE=611.   ONSOURCE=ttt. 'CONVERSION' CONDITION  
RAISED FOLLOWING A PREVIOUS 'TRANSMIT' CONDITION WHEN  
ASSIGNING TO BIT STRING ddd FROM FILE ddd, USING B-  
FORMAT ITEM. 'ERROR' CONDITION RAISED.

Explanation: The transmission error probably  
invalidated the input data.

IEN1218I nnnX      ONSOURCE=ddd. 'CONVERSION' RAISED FOR ddd FROM STRING  
ddd.

ONCODE=621.   ONSOURCE=ddd. 'CONVERSION' CONDITION  
RAISED DUE TO NON-MATCHING CHARACTER BEING FOUND WHEN  
ASSIGNING TO ARITHMETIC ITEM ddd FROM STRING ddd, USING  
P-FORMAT ITEM. 'ERROR' CONDITION RAISED.

IEN1219I nnnX      ONSOURCE=ddd. 'CONVERSION' RAISED FOR ddd FROM STRING  
ddd.

ONCODE=624.   ONSOURCE=ddd. 'CONVERSION' CONDITION  
RAISED DUE TO NON-MATCHING CHARACTER BEING FOUND WHEN  
ASSIGNING TO CHARACTER STRING ddd FROM STRING ddd,  
USING P-FORMAT ITEM. 'ERROR' CONDITION RAISED.

IEN1220I nnnX      RECORD VARIABLE USED FOR ddd AT STATEMENT nnn IS TOO  
SMALL.

ONCODE=21.   'RECORD' CONDITION RAISED. RECORD VARIABLE  
IS SHORTER THAN RECORD LENGTH FOR FILE ddd AT STATEMENT  
nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR'  
CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT  
option; therefore, any error detected during its  
execution is not made known to the PL/I program until  
the corresponding WAIT statement is executed.

IEN1221I nnnX      RECORD VARIABLE USED FOR ddd AT STATEMENT nnn IS TOO  
LONG.

ONCODE=22. 'RECORD' CONDITION RAISED. RECORD VARIABLE IS LONGER THAN RECORD LENGTH FOR FILE ddd AT STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option; therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN1222I nnnx LENGTH OF RECORD VARIABLE FOR ddd AT STATEMENT nnn IS ZERO.

ONCODE=23. 'RECORD' CONDITION RAISED. LENGTH OF RECORD VARIABLE FOR FILE ddd AT STATEMENT nnn IS ZERO. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option; therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN1223I nnnX ZERO LENGTH RECORD READ FROM ddd AT STATEMENT nnn.

ONCODE=24. 'RECORD' CONDITION RAISED. ATTEMPT TO READ ZERO LENGTH RECORD FROM 'REGIONAL' FILE ddd IN STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: On a direct-access device, a zero-length record is the end-of-data set mark. The data set was probably created incorrectly.

The specified I/O statement has the EVENT option; therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN1224I nnnX NO RECORD ON ddd WITH KEY USED IN STATEMENT nnn.

ONCODE=51. 'KEY' CONDITION RAISED. FILE ddd DOES NOT CONTAIN RECORD WITH KEY SPECIFIED IN STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option; therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN1225I nnnX ddd ALREADY HAS RECORD WITH KEY USED IN STATEMENT nnn.

ONCODE=52. 'KEY' CONDITION RAISED. FILE ddd ALREADY CONTAINS RECORD WITH KEY SPECIFIED IN STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option; therefore, any error detected during its execution is not made known to the PL/I program until

the corresponding WAIT statement is executed.

IEN1226I nnnX KEY FOR FILE ddd IN STATEMENT nnn IS LESS THAN PREVIOUS KEY.

ONCODE=53. 'KEY' CONDITION RAISED. WHEN CREATING FILE ddd, VALUE OF KEY SPECIFIED IN STATEMENT nnn IS LESS THAN FOR PREVIOUS RECORD. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: When a KEYED data set is created sequentially, the records must be written in ascending order of keys.

The specified I/O statement has the EVENT option; therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN1227I nnnX CONVERSION ERROR ON KEY FOR ddd IN STATEMENT nnn.

ONCODE=54. 'KEY' CONDITION RAISED. CONVERSION ERROR FOUND FOR KEY USED FOR FILE ddd IN STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN1228I nnnX INVALID KEY USED FOR ddd IN STATEMENT nnn.

ONCODE=55. 'KEY' CONDITION RAISED. KEY USED FOR FILE ddd IN STATEMENT nnn IS NULL-STRING OR INVALID. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option; therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN1229I nnnX KEY BEYOND LIMIT FOR FILE ddd AT STATEMENT ddd.

ONCODE=56. 'KEY' CONDITION RAISED. VALUE OF KEY USED TO ACCESS FILE ddd AT STATEMENT ddd IS BEYOND THE LIMIT IMPOSED BY THE SPACE ALLOCATED TO THE DATA SET. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

IEN1230I nnnX NO SPACE IN ddd FOR RECORD IN STATEMENT nnn.

ONCODE=57. 'KEY' CONDITION RAISED. INSUFFICIENT SPACE

IN FILE ddd TO ADD RECORD SPECIFIED IN STATEMENT nnn.  
ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION  
RAISED.

Explanation: When this message applies to an INDEXED  
data set, no further records can be added because  
either, for sequential input, the prime area is full,  
or, for direct input, the available overflow areas are  
full.

When this message applies to a REGIONAL data set, no  
further records can be added within the area specified  
in the LIMCT subparameter in the DCB parameter in the  
DD statement.

IEN1231I nnnX 'ENDFILE' RAISED FOR ddd DUE TO STATEMENT nnn.

ONCODE=70. 'ENDFILE' CONDITION RAISED FOR I/O  
OPERATION SPECIFIED FOR FILE ddd AT STATEMENT nnn.  
CONDITION DETECTED IN 'WAIT' STATEMENT. 'ERROR'  
CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT  
option; therefore, any condition raised during its  
execution is not made known to the PL/I program until  
the corresponding WAIT statement is executed.

IEN1232I nnnX ddd QUALIFIED BY ddd REFERS TO RECORD OF CLOSED FILE  
ddd.

ONCODE=4054. BASED VARIABLE ddd QUALIFIED BY POINTER  
VARIABLE ddd REFERS TO A RECORD OF FILE ddd, BUT THE  
FILE IS CLOSED. 'ERROR' CCNDITION RAISED.

Explanation: When a file is closed, the data in any  
buffers allocated to it are no longer available to the  
program.

IEN1233I nnnX 'SIZE' RAISED. VALUE ZERO ASSIGNED TO ccc IN  
STATEMENT(S) nnn.

ONCODE=340. 'SIZE' CONDITION RAISED. THE PRECISION OF  
ccc IS GREATER THAN THAT OF A TARGET VARIABLE. THE  
VALUE ZERO IS ASSIGNED TO THE CONSTANT, WHICH IS USED  
IN STATEMENT NUMBER(S) nnn.

IEN1234I nnnX INVALID ARGUMENT ddd FOR 'CHAR'.

ONCODE=3503. ARGUMENT ddd PASSED TO CHAR BUILTIN  
FUNCTION IS LESS THAN ZERO.

IEN1235I nnnX INVALID ARGUMENT ddd FOR 'BIT'.

ONCODE=3502. ARGUMENT ddd PASSED TO BIT BUILTIN  
FUNCTION IS LESS THAN ZERO.

IEN1236I nnnX ttt BASED ON nnn WITH NULL VALUE.

ONCODE=4050. BASED VARIABLE ttt IS BASED ON OFFSET

VARIABLE nnn WHICH HAS THE VALUE 'NULL'. 'ERROR' CONDITION RAISED.

IEN1237I nnnX ALLOCATION OF ttt INVALID. ddd NOT ASSOCIATED WITH ddd.  
  
ONCODE=4003. ALLOCATION OF ttt IN AREA ddd IS INVALID. THE AREA IS NEITHER THE SAME AS, NOR CONTAINED IN, THE AREA ASSOCIATED WITH OFFSET VARIABLE ddd.

IEN1238I nnnX COMPLETION VALUE ASSIGNED TO ddd BEFORE 'DISPLAY' nnn COMPLETE.  
  
ONCODE=3904. ATTEMPT TO ASSIGN COMPLETION VALUE TO EVENT ddd WITH 'COMPLETION' PSEUDO-VARIABLE BEFORE ASSOCIATED 'DISPLAY' STATEMENT nnn IS COMPLETE. 'ERROR' CONDITION RAISED.

IEN1239I nnnX COMPLETION VALUE ASSIGNED TO ddd BEFORE ddd IS COMPLETE.  
  
ONCODE=3904. ATTEMPT TO ASSIGN COMPLETION VALUE TO EVENT ddd WITH 'COMPLETION' PSEUDO-VARIABLE BEFORE ASSOCIATED TASK, WITH ENTRY NAME ddd, IS COMPLETE. 'ERROR' CONDITION RAISED.

IEN1240I nnnX END OF AT-UNIT.  
  
EXECUTION OF AN AT-UNIT ATTACHED BY AN 'AT' OR 'ABOVE' SUBCOMMAND HAS BEEN COMPLETED. ENTER SUBCOMMANDS OR IMMEDIATE-MODE STATEMENTS.

IEN1241I nnnX NO VALUE RETURNED BY ddd.  
  
ONCODE=5004. PROCEDURE ddd DOES NOT RETURN A VALUE, BUT WAS INVOKED AS A FUNCTION REFERENCE. 'ERROR' CONDITION RAISED.

IEN1242I nnnX VALUE RETURNED BY ddd.  
  
ONCODE=5003. PROCEDURE ddd RETURNS A VALUE BUT WAS NOT INVOKED AS A FUNCTION REFERENCE. 'ERROR' CONDITION RAISED.

IEN1243I nnnX ddd IS IN ITERATIVE DO-GROUP.  
  
ONCODE=9002. ddd IS A LABEL OR LABEL VARIABLE THAT TAKES CONTROL INTO AN ITERATIVE DO-GROUP AND DOES NOT TERMINATE A PROCEDURE OR ON-UNIT INVOKED FROM WITHIN THE DO-GROUP.  
  
Explanation: You can branch into an iterative do-group only from a procedure or on-unit invoked from the do-grcup.

IEN1244I nnnX TOO MANY FILES AND CONTROLLED VARIABLES.

COMPILER RESTRICTION. TOTAL NUMBER OF FILES AND CONTROLLED VARIABLES EXCEEDS 1024. PROGRAM IS NOT EXECUTED.

IEN1245I nnnX ddd IS IN INACTIVE BLOCK.

ONCODE=9002. ddd IS A LABEL OR LABEL VARIABLE THAT TAKES CONTROL INTO A PROCEDURE OR BEGIN BLOCK THAT IS NOT ACTIVE IN THE CURRENT TASK. 'ERROR' CONDITION RAISED.

IEN1246I nnnX NO MAIN PROCEDURE, PROGRAM NOT EXECUTED.

PROGRAM DOES NOT CONTAIN A PROCEDURE WITH THE 'MAIN' OPTION OR A CSECT NAMED 'PLIMAIN' ADDRESSING A PL/I PROCEDURE. PROGRAM IS NOT EXECUTED.

IEN1247I nnnX ddd QUALIFIED BY ddd IS RECORD nnn OF ddd. CURRENT RECORD IS nnn.

ONCODE=4053. BASED VARIABLE ddd QUALIFIED BY POINTER VARIABLE ddd REFERS TO RECORD NUMBER nnn OF FILE ddd. THE GENERATION CORRESPONDING TO THAT RECORD IS NOW FREED, AND THE CURRENT RECORD NUMBER IS nnn. 'ERROR' CONDITION RAISED.

Example:

```
DCL F FILE,  
    BV BASED,  
    P1 PTR,  
    P2 PTR;  
LOCATE BV FILE(F) SET(P1);  
LOCATE BV FILE(F) SET(P2);  
P1 -> BV = 1;
```

IEN1248I nnnX STRING ddd MAY BE TRUNCATED.

STRING ddd EXCEEDS 72 CHARACTERS. IT MAY BE TRUNCATED IF MULTIPLE CONSOLE SUPPORT IS BEING USED.

Explanation: The multiple console support feature allows 72 characters only to be displayed.

IEN1249I nnnX ddd IS BASED ON 'NULL' LOCATOR ddd.

ONCODE=4050. REFERENCE TO BASED VARIABLE ddd IS BASED ON LOCATOR ddd WHICH HAS THE VALUE 'NULL'.

IEN1250I nnnX ddd EXTENDS BEYOND ddd.

ONCODE=5050. STORAGE FOR DEFINED VARIABLE ddd EXTENDS BEYOND STORAGE OF BASE VARIABLE ddd. 'ERROR' CONDITION RAISED.

IEN1251I nnnX ddd LESS THAN ddd. SAME SIZE nnn ASSUMED.

ONCODE=5051. SIZE OF DEFINED AREA ddd IS LESS THAN

BASE AREA ddd. SIZE nnn OF LATTER IS ASSUMED FOR BOTH.

IEN1252I nnnX ddd NOT ALLOCATED.

ONCODE=4001. NO GENERATION OF CONTROLLED VARIABLE ddd EXISTS. 'ERROR' CONDITION RAISED.

Explanation: You have referenced a controlled variable for which no allocation exists. Either no ALLOCATE statement has been executed for the variable, or all allocations have been freed.

IEN1253I nnnX ATTRIBUTES OF ddd DO NOT MATCH STORAGE REFERENCED THROUGH ddd.

ONCODE=4052. ATTRIBUTES OF BASED VARIABLE ddd DO NOT MATCH THE ATTRIBUTES OF THE GENERATION OF STORAGE REFERENCED THROUGH POINTER ddd. 'ERROR' CONDITION RAISED.

Example:

```
DCL (BV1 BIT(1),BV2 CHAR(1)) VAR BASED(P);
ALLOCATE BV2;
BV1 ='1'B;
```

IEN1254I nnnX FREED STORAGE REFERENCED BY ddd THROUGH ddd.

ONCODE=4053. BASED VARIABLE ddd REFERENCES THROUGH POINTER ddd A FREED GENERATION OF STORAGE. 'ERROR' CONDITION RAISED.

IEN1255I nnnX INVALID ARGUMENT vvv FOR 'HIGH'.

ONCODE=3500. ARGUMENT vvv PASSED TO 'HIGH' BUILTIN FUNCTION IS LESS THAN ZERO.

IEN1256I nnnX INVALID ARGUMENT vvv FOR 'LOW'.

ONCODE=3501. ARGUMENT vvv PASSED TO 'LOW' BUILTIN FUNCTION IS LESS THAN ZERO.

IEN1257I nnnX SIZE vvv OF ddd NEGATIVE.

ONCODE=3807. SIZE vvv OF AREA ddd IS LESS THAN ZERO. 'ERROR' CONDITION RAISED.

IEN1258I nnnX LENGTH vvv of ddd NEGATIVE.

ONCODE=3805. LENGTH vvv OF STRING ddd IS LESS THAN ZERO. 'ERROR' CONDITION RAISED.

IEN1259I nnnX BOUND vvv OF ddd INVALID.

ONCODE=3808. DIMENSION BOUND vvv OF ARRAY ddd IS OUTSIDE LIMITS OF -32768 THROUGH 32767. 'ERROR' CONDITION RAISED.

IEN1260I nnnX      INVALID CONTROL FORMAT ITEM FOR 'GET/PUT STRING'.  
ONCODE=1004.    REMOTE FORMAT LIST FOR 'GET' OR 'PUT'  
STATEMENT WITH 'STRING' OPTION CONTAINS THE INVALID  
CONTROL FORMAT ITEM 'PAGE', 'SKIP', 'LINE', OR  
'COLUMN'.    'ERROR' CONDITION RAISED.

IEN1261I nnnX      'EXCLUSIVE' FILE ddd CLOSED WITH RECORDS LOCKED IN  
SUBTASK.  
ONCODE=1023.    THE CLOSE OPERATION FOR 'EXCLUSIVE' FILE  
ddd CANNOT UNLOCK RECORDS LOCKED BY A SUBTASK.    'ERROR'  
CONDITION RAISED.  
Explanation:    When a file is closed, only those records  
locked by the current task are implicitly unlocked.

IEN1262I nnnX      'GOTO' SPECIFIES INACTIVE BLOCCK.  
ONCODE=9002.    'GOTO' STATEMENT SPECIFIES A STATEMENT IN  
A BLOCK NOT ACTIVE IN THE CURRENT TASK.    'ERROR'  
CONDITION RAISED.

IEN1263I nnnX      SORT/MERGE ERROR.  
ONCODE=9200.    AN ERROR HAS OCCURRED IN A SYSTEM 'SORT'  
ROUTINE CALLED FROM THE BUILT-IN SUBROUTINE PLISRTA,  
PLISRTE, PLISRTC, OR PLISRTD.

IEN1264I nnnX      ddd HAS UPPER BOUND nnn, LESS THAN LOWER BOUND nnn, IN  
DIMENSION nnn.  
ONCODE=3803.    ARRAY ddd HAS AN UPPER BOUND nnn THAT IS  
LESS THAN THE LOWER BOUND nnn IN DIMENSION nnn.  
'ERROR' CONDITION RAISED.

IEN1265I nnnX      INVALID BRANCH TO ddd.  
ONCODE=9002.    THIS STATEMENT BRANCHES TO A FORMAT  
STATEMENT LABELLED ddd.    'ERROR' CONDITION RAISED.

IEN1266I nnnX      'OVERFLOW' IN EXPONENTIATION OR BUILTIN FUNCTION.  
ONCODE=300.    'OVERFLOW' CONDITION RAISED DURING  
EXPONENTIATION OR EVALUATION OF A BUILT-IN FUNCTION.  
'ERROR' CONDITION RAISED.

IEN1267I nnnX      ddd USED BEFORE EVENT ON ddd IS COMPLETE.  
ONCODE=1015.    USE OF EVENT VARIABLE ddd IS INVALID  
BEFORE ASSOCIATED I/O EVENT ON FILE ddd IS COMPLETE.  
'ERROR' CONDITION RAISED.

IEN1268I nnnX      ddd USED BEFORE 'DISPLAY' STATEMENT ddd IS COMPLETE.  
ONCODE=1015.    USE OF EVENT VARIABLE ddd IS INVALID  
BEFORE ASSOCIATED 'DISPLAY' STATEMENT ddd IS COMPLETE.

'ERROR' CONDITION RAISED.

IEN1269I nnnX ddd USED WHILE ddd IS ACTIVE.

ONCODE=1015. USE OF EVENT VARIABLE ddd IS INVALID WHILE ASSOCIATED TASK, WITH ENTRY NAME ddd IS ACTIVE. 'ERROR' CONDITION RAISED.

IEN1270I nnnX UNINITIALIZED OR NULL STRING FOR 'PUT ALL'.

THE CHARACTER STRING SPECIFIED FOR 'PUT ALL' HAS NO VALUE OR A NULL VALUE. THE VALUE 'DFC' IS ASSUMED.

IEN1271I nnnX INVALID STRING ddd FOR 'PUT ALL'.

THE CHARACTER STRING ddd SPECIFIED FOR 'PUT ALL' CONTAINS INVALID CHARACTERS. THESE HAVE BEEN IGNORED.

IEN1272I nnnX INCOMPLETE STRING ddd FOR 'PUT ALL'.

THE CHARACTER STRING ddd SPECIFIED FOR 'PUT ALL' CONTAINS NO CHARACTERS REQUESTING OUTPUT. THE CHARACTERS 'DFC' ARE ADDED.

IEN1273I nnnX POSITION ddd FOR ddd IS INVALID.

ONCODE=5050. ddd, SPECIFIED IN THE 'POSITION' ATTRIBUTE FOR DEFINED VARIABLE ddd, IS OUTSIDE THE RANGE 1 THROUGH 32767. 'ERROR' CONDITION RAISED.

IEN1274I nnnX 'FIXEDOVERFLOW' IN BUILTIN FUNCTION.

ONCODE=310. 'FIXEDOVERFLOW' CONDITION RAISED WHILE EVALUATING A BUILT-IN FUNCTION. 'ERROR' CONDITION RAISED.

IEN1275I nnnX PARAMETER ddd HAS NO VALUE.

ONCODE=4000. PARAMETER ddd CANNOT BE REFERENCED BECAUSE IT IS NOT SPECIFIED IN THE PARAMETER LIST OF THE 'PROCEDURE' OR 'ENTRY' STATEMENT BY WHICH THIS BLOCK WAS ENTERED. 'ERROR' CONDITION RAISED.

Example:

```
TMS:PROC OPTIONS(MAIN);
      DCL I INIT(1);
      CALL A(I);
A:PROC(X);
B:ENTRY(Y);
      DCL(X,Y,Z)FIXED BIN;
      Z=Y;
      END A;
      END TMS;
```

IEN1276I nnnX VALUE OF ddd INVALID.

ONCODE=9005. VALUE OF LABEL VARIABLE ddd WHICH IS TARGET OF 'GOTO' IS NOT ONE OF THE LABEL CONSTANTS SPECIFIED IN ITS LABEL LIST. 'ERROR' CONDITION RAISED.

IEN1277I nnnX ddd DOES NOT POINT TO AN ITEM IN ddd.

ONCODE=4056. ARGUMENT ddd TO 'POINTER' BUILT-IN FUNCTION DOES NOT POINT TO A BASED VARIABLE ALLOCATED IN AREA ddd. 'ERROR' CONDITION RAISED.

IEN1278I nnnX ddd DOES NOT POINT TO AN ITEM IN ddd.

ONCODE=4056. ARGUMENT ddd TO 'OFFSET' BUILT-IN FUNCTION DOES NOT POINT TO A BASED VARIABLE ALLOCATED IN AREA ddd. 'ERROR' CONDITION RAISED.

IEN1279I nnnX 'SYSITEXT' MEMBER ddd NOT PRODUCED AT SAME TIME AS LINK-EDIT STUB.

SYSITEXT MEMBER ddd CONTAINS INTERMEDIATE TEXT WHICH WAS NOT PRODUCED IN THE SAME COMPILATION AS THE LINK-EDIT STUB USED IN THE LOAD MODULE. EXECUTION TERMINATED.

IEN1281I nnnX FILE ddd ATTEMPTING TO ACCESS LOCKED RECORD.

ONCODE=1021. FILE ddd IS ATTEMPTING TO ACCESS A RECORD OR DATA SET THAT HAS BEEN LOCKED BY A FILE WITH THE 'EXCLUSIVE' ATTRIBUTE IN THE SAME TASK. 'ERROR' CONDITION RAISED.

IEN1282I nnnX 'GOTO' MAY PREVENT REUSE OF 'COBOL' SUBROUTINE.

'GOTO' STATEMENT IN ON-UNIT INVOKED FROM 'COBOL' SUBROUTINE MAY CAUSE AN ERROR IF THE SUBROUTINE IS USED AGAIN.

IEN1283I nnnX FOLLOWING SUBTASK ALSO TERMINATED.

THE SUBTASKS SPECIFIED IN THE FOLLOWING MESSAGE(S) ARE ALSO TERMINATED BY THIS STATEMENT.

IEN1284I nnnX SUBTASK TERMINATED.

SUBTASK TERMINATED BY HIGHER LEVEL TASK.

IEN1285I nnnX INVALID DATA TYPE IN 'RETURNS' FOR ddd.

THE 'RETURNS' ATTRIBUTE FOR 'FORTRAN' FUNCTION ddd DOES NOT SPECIFY A FLOAT, FIXED BINARY, OR NON-VARYING BIT STRING ITEM. 'ERROR' CONDITION RAISED.

IEN1286I nnnX 'S' OPTION FOR 'PLIDUMP'.

TERMINATION REQUESTED BY 'S' OPTION IN ARGUMENT LIST

FOR 'PLIDUMP'. ENTER 'GO' SUBCOMMAND TO CONFIRM  
TERMINATION, OR 'GOTO' STATEMENT TO OVERRIDE IT.

- IEN1287I nnnX 'CHECKPOINT/RESTART' NOT SUPPORTED.  
  
CALL TO 'PLICKPT', 'PLIREST', OR 'PLICANC' IS NOT  
SUPPORTED BY THE CHECKOUT COMPILER. THE STATEMENT IS  
IGNORED AND EXECUTION CONTINUES. THE STATEMENT IS  
SUPPORTED BY THE OPTIMIZING COMPILER.
- IEN1288I nnnX STORAGE FOR ddd NOT ALLOCATED IN CURRENT TASK.  
  
ONCODE=4057. THE LOCATOR QUALIFYING BASED VARIABLE ddd  
ADDRESSES STORAGE WHICH WAS NOT ALLOCATED IN THE  
CURRENT TASK. 'ERROR' CONDITION RAISED.
- IEN1289I nnnX I/O ERROR WHILE FINDING ddd.  
  
ONCODE=9251. PERMANENT I/O ERROR DETECTED WHILE  
SEARCHING FOR PROCEDURE WITH ENTRY NAME ddd. 'ERROR'  
CONDITION RAISED.
- IEN1290I nnnX ddd NOT FOUND.  
  
ONCODE=9250. PROCEDURE WITH ENTRY NAME ddd CANNOT BE  
FOUND IN AVAILABLE LIBRARIES. 'ERROR' CONDITION  
RAISED.
- IEN1291I nnnX ONSOURCE=ddd. INPUT FOR ddd FROM ddd IS INVALID.  
  
ONCODE=601. ONSOURCE=ddd. 'CONVERSION' CONDITION  
RAISED. INPUT DATA FOR DATA ITEM ddd FROM FILE ddd IS  
NOT STRING OR ARITHMETIC. 'ERROR' CONDITION RAISED.
- IEN1292I nnnX ONSOURCE=ddd. INPUT FOR ddd FROM ddd IS INVALID AFTER  
'TRANSMIT'.  
  
ONCODE=602. ONSOURCE=ddd. 'CONVERSION' CONDITION  
RAISED AFTER 'TRANSMIT' CONDITION. INPUT DATA FOR DATA  
ITEM ddd FROM FILE ddd IS NOT STRING OR ARITHMETIC.  
'ERROR' CONDITION RAISED.
- IEN1293I nnnX ONSOURCE=ddd. UNKNOWN SOURCE ATTRIBUTES FOR ddd IN  
'GET STRING'.  
  
ONCODE=600. ONSOURCE=ddd. 'CONVERSION' CONDITION  
RAISED. 'STRING' DATA FOR DATA ITEM ddd IS NOT STRING  
OR ARITHMETIC. 'ERROR' CONDITION RAISED.
- IEN1294I nnnX 'COBOL' OR 'FORTRAN' BEING USED IN ANOTHER ACTIVE TASK.  
  
ONCODE=3914. INVOCATION OF A 'COBOL' OR 'FORTRAN'  
PROCEDURE IS INVALID BECAUSE THE INTERLANGUAGE  
COMMUNICATION FACILITY IS BEING USED BY ANOTHER ACTIVE  
TASK. 'ERROR' CONDITION RAISED.

IEN1295I nnnX VALUE OF OFFSET ASSIGNED TO ddd IS INVALID.  
ONCODE=4055. VALUE OF OFFSET VARIABLE ASSIGNED TO  
POINTER ddd ADDRESSES STORAGE OUTSIDE ITS ASSOCIATED  
AREA.

IEN1296I nnnX 'PENDING' SIGNALLED FOR ddd.  
ONCODE=100. 'PENDING' CONDITION RAISED BY 'SIGNAL'  
STATEMENT FOR FILE ddd.

IEN1297I nnnX BOUNDARY REQUIREMENTS FOR ddd NOT SATISFIED. ERRORS  
MAY OCCUR.  
THE STORAGE BOUNDARY REQUIREMENTS OF ddd ARE NOT  
SATISFIED BY THE STORAGE ALLOCATED FOR THE ITEM IN THE  
BUFFER. ERRORS MAY OCCUR.  
Explanation: Whenever storage is allocated in a buffer  
for a variable (by a LOCATE statement), the allocation  
will start at the next available byte in the buffer.  
The first allocation in a buffer is always on a double  
word boundary.

IEN1298I nnnX UNALLOCATED VARIABLE IN DATA LIST.  
ONCODE=4001. NO ALLOCATION EXISTS FOR A CONTROLLED  
VARIABLE REFERENCED IN THE DATA LIST OF THIS 'GET'  
STATEMENT WITH THE 'STRING' AND 'DATA' OPTIONS.  
'ERROR' CONDITION RAISED.

IEN1299I nnnX UNALLOCATED VARIABLE IN DATA LIST.  
ONCODE=4001. NO ALLOCATION EXISTS FOR A CONTROLLED  
VARIABLE REFERENCED IN THE DATA LIST OF THIS 'GET'  
STATEMENT WITH THE 'FILE' AND 'DATA' OPTIONS. 'ERROR'  
CONDITION RAISED.

IEN1300I nnnX ONSOURCE=ddd. 'CONVERSION' RAISED FOR CHARACTER TO  
ARITHMETIC.  
ONCODE=612. ONSOURCE=ddd. 'CONVERSION' CONDITION  
RAISED WHEN ASSIGNING A CHARACTER STRING TO AN  
ARITHMETIC ITEM REFERENCED IN THE DATA LIST OF A 'GET'  
STATEMENT WITH THE 'DATA' OR 'LIST' OPTION. 'ERROR'  
CONDITION RAISED.

IEN1301I nnnX NOT ENOUGH MAIN STORAGE. STATEMENT nnn IN ddd. AREAS  
nnn, nnn, nnn, nnn BYTES.  
NOT ENOUGH MAIN STORAGE AVAILABLE TO EXECUTE STATEMENT  
nnn IN EXTERNAL PROCEDURE ddd. PL/I STACK nnn BYTES.  
TRANSIENT AREA nnn BYTES. OS STACK nnn BYTES.  
DICTIONARY nnn BYTES. INTERPRETATION TERMINATED.  
Explanation: For further information, see the  
explanaticn for message IEN0975I.

IEN1302I nnnX LABEL ddd INVALID FOR 'R'.

ONCODE=3008. LABEL ddd SPECIFIED IN REMOTE FORMAT ITEM IS NOT IN CURRENT BLOCK. 'ERROR' CONDITION RAISED.

IEN1303I nnnX

ONCODE=9050. ABEND. ddd CODE IS nnn. FILE ddd, DATA SET ddd OF CONCATENATION. ATTEMPTING TO RAISE 'ERROR' CONDITION.

IEN1304I nnnX

FIRST 126 CHARACTERS OF ddd DISPLAYED.

STRING ddd EXCEEDS 126 CHARACTERS. ONLY FIRST 126 CHARACTERS ARE DISPLAYED.

IEN1305I nnnX

FILE ddd IS ALREADY OPEN.

'OPEN' STATEMENT IGNORED. FILE ddd IS ALREADY OPEN.

IEN1306I nnnX

INVALID ASSIGNMENT TO ddd.

ONCODE=9004. ATTEMPT TO ASSIGN UNRESOLVED EXTERNAL REFERENCE TO ENTRY VARIABLE ddd. 'ERROR' CONDITION RAISED.

IEN1307I nnnX

UNABLE TO READ SYSITEXT MEMBER ddd.

UNABLE TO READ MEMBER ddd OF FILE SYSITEXT BECAUSE THE FILE COULD NOT BE OPENED. EXECUTION TERMINATED.

IEN1308I nnnX

ddd IS NOT RECURSIVE OR RE-ENTRANT.

ENTRY POINT ddd IS BEING INVCKED RECURSIVELY OR RE-ENTRANTLY WHEN THE CORRESPONDING ATTRIBUTE HAS NOT BEEN SPECIFIED FOR THE PROCEDURE.

IEN1309I nnnX

ONSOURCE=ddd. 'CONVERSION' RAISED FOR CHARACTER TO BIT.

ONCODE=615. ONSOURCE=ddd. 'CONVERSION' CONDITION RAISED WHEN ASSIGNING A CHARACTER STRING TO A BIT STRING ITEM REFERENCED IN THE DATA LIST OF A 'GET' STATEMENT. 'ERROR' CONDITION RAISED.

IEN1310I nnnX

'UNDERFLOW' IN BUILT-IN FUNCTION.

ONCODE=330. 'UNDERFLOW' CONDITION RAISED WHILE EVALUATING A BUILT-IN FUNCTION. EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.

IEN1311I nnnX

ddd CLOSED IN ON-UNIT. ERROR MIGHT RESULT.

FILE ddd IS CLOSED IN AN ON-UNIT ASSOCIATED WITH THE FILE. NORMAL RETURN FROM ON-UNIT MIGHT CAUSE AN ERROR.

IEN1312I nnnX

TOO FEW SYSITEXT RECORDS FOR ddd.

SYSITEXT MEMBER FOR EXTERNAL PROCEDURE ddd CONTAINS

LESS RECORDS THAN EXPECTED. PROCESSING TERMINATED.

Explanation: This message is probably produced because the member of the SYSITEXT data set referred to is not the member produced when the program was translated.

IEN1313I nnnX      ONSOURCE=ddd. 'CONVERSION' RAISED FOR INVALID CHARACTER IN 'GET' OR 'PUT'.

ONCODE=613. ONSOURCE=ddd. 'CONVERSION' CONDITION RAISED DUE TO A NON-ARITHMETIC CHARACTER BEING FOUND FOR ITEM REFERENCED IN THE DATA LIST OF A 'GET' OR 'PUT' STATEMENT. 'ERROR' CONDITION RAISED.

IEN1314I nnnX      0C4 INTERRUPT. INCORRECT ADDRESSING.

ONCODE=8094. 'ERROR' CONDITION RAISED. WHILE INTERPRETING A CHECKOUT COMPILED PROCEDURE DUE TO ADDRESSING MAIN STORAGE INCORRECTLY. SYSTEM COMPLETION CODE=0C4.

IEN1315I nnnX      0C5 INTERRUPT. INCORRECT ADDRESSING.

ONCODE=8095. 'ERROR' CONDITION RAISED WHILE INTERPRETING A CHECKOUT COMPILED PROCEDURE DUE TO ADDRESSING MAIN STORAGE INCORRECTLY. SYSTEM COMPLETION CODE=0C5.

IEN1316I nnnX      0C6 INTERRUPT. INCORRECT ADDRESSING.

ONCODE=8096. 'ERROR' CONDITION RAISED WHILE INTERPRETING A CHECKOUT COMPILED PROCEDURE DUE TO ADDRESSING MAIN STORAGE INCORRECTLY. SYSTEM COMPLETION CODE=0C6.

IEN1317I nnnX      COMPILER WORKING NEAR MINIMUM STORAGE. AREAS nnn, nnn, nnn, nnn. NEEDS EXTRA nnn. INTERPRET CONTINUES.

THE COMPILER IS WORKING NEAR THE MINIMUM MAIN STORAGE REQUIRED FOR THIS PROGRAM. SPEED WILL IMPROVE CONSIDERABLY IF MORE STORAGE IS AVAILABLE NEXT TIME. PL/I STACK nnn BYTES. TRANSIENT AREA nnn BYTES. OS STACK nnn BYTES. DICTIONARY nnn BYTES. APPROXIMATELY nnn BYTES EXTRA STORAGE NEEDED. INTERPRETATION CONTINUES.

Explanation: To improve the speed of interpretation, increase the region size by the specified amount. The message will be repeated if the condition recurs. See also the explanation for message IEN0975I.

IEN1318I nnnX      WHEN REFERENCING ddd IN ddd, ddd AND ddd IN ddd ARE NOT LEFT TO RIGHT EQUIVALENT. POINTER IS ddd.

ONCODE=4058. REFERENCE TO ddd IN BASED STRUCTURE ddd IS INVALID. THERE IS INSUFFICIENT SIMILARITY BETWEEN ddd AND ddd IN STRUCTURE ddd TO WHICH LOCATOR ddd IS CURRENTLY SET. ERROR CONDITION RAISED.

Example:

```
DCL 1 A BASED(P),
     2 B CHAR(1),
     1 C,
     2 D FIXED BIN(15);
P=ADDR(C);
B='X';
```

IEN1319I nnnX ALIGNMENT OF ddd CONFLICTS WITH VALUE OF ddd.

ONCODE=4058. 'ERROR' CONDITION RAISED. THE ALIGNMENT OF BASED STRUCTURE ELEMENT ddd CONFLICTS WITH THE LOCATION DERIVED FOR IT FROM POINTER VARIABLE ddd.

Example:

```
DCL 1 A BASED (P),
     2 B CHAR(1),
     2 C FIXED BIN(15),
     1 D,
     2 E CHAR(1),
     2 F FIXED BIN(15);
P=ADDR(F);
C=1;
```

IEN1320I nnnX ONSOURCE=ddd. 'CONVERSION' RAISED FOR PICTURED ITEM.

ONCODE=618. ONSOURCE=ddd. 'CONVERSION' CONDITION RAISED DUE TO NON-MATCHING CHARACTER BEING FOUND WHEN CONVERTING TO PICTURE FORMAT. 'ERROR' CONDITION RAISED.

IEN1321I nnnX 0C7 INTERRUPT. INVALID DECIMAL VALUE ACCESSED.

ONCODE=8097. 'ERROR' CONDITION RAISED WHILE INTERPRETING A CHECKOUT-COMPILED PROCEDURE DUE TO ACCESSING AN INVALID DECIMAL VALUE FROM MAIN STORAGE. SYSTEM COMPLETION CODE=0C7.

IEN1323I nnnX LOADS EXCEED LIMIT OF nnn. STEP FORCED, BUT nnn STATEMENTS REMAIN.

NUMBER OF INTERPRET TIME PHASE LOADS, nnn, HAS REACHED STEP MAXIMUM. nnn STATEMENTS REMAIN BEFORE STEP LIMIT. STEP CONDITION FORCED.

Explanation: The STEP option allows a limit to be set on the number of loads of phases to be performed at interpret-time. If this limit is reached, the number of statements remaining is reduced to 1.

IEN1324I nnnX ddd TRANSLATED WITH 'COMPATIBLE', EXECUTION WITH 'NONCOMPATIBLE'.

PROCEDURE ddd WAS TRANSLATED WITH THE 'COMPATIBLE' OPTION BUT IS BEING INTERPRETED WITH 'NONCOMPATIBLE'. ERRORS MAY OCCUR IF OPTIMIZER COMPILED PROCEDURES ARE ALSO INVOLVED.

Explanation: When the NOCOMPATIBLE option is used,

pointers and offsets are 16 bytes long instead of 4 bytes long. If these pointers or offsets are accessed by procedures compiled by the PL/I optimizing compiler, or if record I/O is carried out on them or on aggregates containing them, errors may occur.

IEN1325I nnnX LENGTH OF ARGUMENT TO ddd GREATER THAN DECLARED LENGTH OF PARAMETER.

CURRENT LENGTH OF VARYING STRING PASSED AS AN ARGUMENT TO MAIN PROCEDURE ddd IS GREATER THAN THE DECLARED LENGTH OF THE PARAMETER. ERRORS MAY OCCUR WHEN THE PARAMETER IS USED.

Explanation: If a character string is passed to the main procedure (for example, from the PARM field of the EXEC statement the number of characters passed must not exceed the maximum length expected, that is, the declared length of the parameter.

IEN1326I NO DD STATEMENT FOR 'PLIDUMP'.

A CALL TO 'PLIDUMP' HAS BEEN FOUND, BUT NO DD STATEMENT HAS BEEN PROVIDED. DUMP IS NOT GIVEN.

IEN1327I 'NOCOM' OPTION AND NON-CHECKOUT OBJECT MODULES IN USE.

'NOCOMPATIBLE' OPTION IS IN USE WHEN EXECUTION INVOLVES OBJECT MODULES NOT COMPILED BY CHECKOUT. LOCATORS ARE ASSUMED TO BE 16 BYTES LONG, AND ANY USED IN COMMON WITH NON-CHECKOUT OBJECT MODULES MAY CAUSE ERRORS.

IEN1328I LENGTH nnn OF 'REPEAT' RESULT TOO LARGE.

ONCODE=3804. RESULT OF 'REPEAT' BUILT-IN FUNCTION HAS LENGTH nnn. LIMIT OF 32767 EXCEEDED. 'ERROR' CONDITION RAISED.

IEN1329I INVALID KEY LENGTH FOR ccc.

ONCODE=86. THE 'KEYLENGTH' OPTION OF THE 'ENVIRONMENT' ATTRIBUTE FOR FILE ccc SPECIFIES A KEY LENGTH THAT IS NEGATIVE OR EXCEEDS 255.

Programmer Response: The argument of the KEYLENGTH option should be checked to ensure that it is either a constant or a variable with the attributes FIXED BINARY(31,0) STATIC whose value is neither greater than 255 nor negative when the file is opened. If the argument is a variable, check that it has been correctly initialized.

IEN1330I ddd INVALID.

ONCODE=4000. ddd IS INVALID WHEN 'DIAGNOSE' OPTION IS IN EFFECT, BECAUSE IT IS A VALUE RESERVED FOR UNINITIALIZED VARIABLES. 'ERROR' CONDITION RAISED.

Explanation: The value given to an uninitialized variable is  $-2^{15}+1$  for halfword fixed binary,  $-2^{31}+1$  for fullword fixed binary, or X'FE' for a fixed length character string or picture. These values are used to

test for uninitialized variables when the 'DIAGNOSE' option is in effect and they must not be present as constants within the program.

IEN2001I U nnn PREPROCESSOR ERROR NUMBER nnn DURING PHASE nnn.

PREPROCESSOR ERROR NUMBER nnn DURING PHASE nnn.

Explanation: An error has occurred during preprocessing. Processing has been terminated. This error is due to a fault in the preprocessor, not the source program.

Programmer Response: Rerun the job, and if the problem recurs, call IBM for programming support. Before calling IBM, refer to the introduction to this part of the publication for details of information that IBM will need in order to diagnose the problem.

IEN2065I E nnn 'RETURNS' ATTRIBUTE ON ddd IGNORED.

'RETURNS' ATTRIBUTE ON BUILTIN FUNCTION ddd IGNORED.

Example:

%DECLARE SUBSTR BUILTIN RETURNS(CHAR);

Explanation: The data type returned by a built-in function is determined by the language rules.

IEN2066I E nnn 'ENTRY' ATTRIBUTE ON ddd IGNORED.

'ENTRY' ATTRIBUTE ON BUILTIN FUNCTION ddd IGNORED.

Example:

%DECLARE INDEX BUILTIN ENTRY;

Explanation: The BUILTIN attribute implies the ENTRY attribute.

IEN2067I S nnn INVALID BUILTIN FUNCTION NAME.

ddd IS NOT A VALID BUILTIN FUNCTION NAME. REFERENCE WILL END PROCESSING.

Example:

%DECLARE HARRIET BUILTIN;

Explanation: Only SUBSTR, INDEX and LENGTH are permitted builtin function names for the preprocessor.

IEN2068I W nnn LIST AFTER 'ENTRY' IGNORED.

PARAMETER DESCRIPTOR LIST ON 'ENTRY' ATTRIBUTE IGNORED.

Example:

%DECLARE P ENTRY(CHAR, FIXED);

should be

%DECLARE P ENTRY;

Explanation: The arguments are always converted to the types specified by the PROCEDURE statement.

IEN2069I W nnn 'RETURNS' ATTRIBUTE IGNORED.

'RETURNS' ATTRIBUTE IN 'DECLARE' STATEMENT IGNORED.

Example:

%DECLARE P ENTRY RETURNS(FIXED);

should be

%DECLARE P ENTRY;

Explanation: The attribute of the value returned by a compile-time procedure is determined by the procedure statement.

IEN2070I S nnn END OF SOURCE TEXT IN STRING.

END OF SOURCE TEXT IN STRING. QUOTE ASSUMED BEFORE END OF SOURCE TEXT.

Explanation: End of source text found while scanning for closing quote character. Check that all quotes are paired.

IEN2071I S nnn NO DELIMITER ON REPLACEMENT VALUE STRING.

REPLACEMENT VALUE CONTAINS NO END-OF-STRING DELIMITER. DELIMITER ASSUMED AT END OF STRING.

Explanation: An end-of-string delimiter has not been found in a replacement value.

IEN2072I E nnn INVALID BIT STRING.

INVALID CHARACTER IN BIT STRING. PROCESSED AS CHARACTER STRING.

IEN2073I S nnn END OF SOURCE TEXT IN COMMENT.

END OF SOURCE TEXT IN COMMENT. COMMENT DELIMITER ASSUMED AT END OF SOURCE TEXT.

Explanation: The end of the source text has been encountered while scanning for an end-of-comment delimiter.

IEN2074I E nnn NO COMMENT DELIMITER IN REPLACEMENT VALUE.

REPLACEMENT VALUE CONTAINS NO END OF COMMENT DELIMITER. COMMENT DELIMITER ASSUMED AT END OF REPLACEMENT VALUE.

Explanation: An end-of-comment delimiter cannot be found in a replacement value.

IEN2075I E nnn INVALID CHARACTER REPLACED BY BLANK.

INVALID CHARACTER REPLACED BY BLANK.

Explanation: An invalid character has been found in the source text.

IEN2076I U nnn BLKSIZE FOR '%INCLUDE' ddd EXCEEDS 400.

BLOCKSIZE OF '%INCLUDE' ddd EXCEEDS THE DEFAULT MAXIMUM OF 400 ALLOWED WITH THIS SIZE OPTION. PROCESSING TERMINATED.

Explanation: If you are using the compiler at or near its minimum main storage size the maximum block size is limited to 400 bytes. To use a larger block size you must increase the main storage available to the compiler.

IEN2077I E nnn CONFLICTING USE OF ddd.

USE OF ddd IN PROCEDURE ENDING AT THIS LINE CONFLICTS WITH PREVIOUS USE. REFERENCE WILL END PROCESSING.

Example:

%DCL E ENTRY;  
%P: PROCEDURE RETURNS(CHAR);  
E = 3;  
%END;

Explanation: An undeclared identifier has been used in a compile-time PROCEDURE in a way that conflicts with a use or declaration outside the procedure.

IEN2078I E nnn '%' IN LABEL LIST IGNORED.

'%' IN LABEL LIST IGNORED.

Example:

% LABEL4: % IF C1 = C2....

Explanation: In the statement shown in the example, the second '%' is ignored.

IEN2079I E nnn NO LABEL BEFORE COLON.

NO LABEL BEFORE COLON. COLON IGNORED.

Example:

%; A = B;

Programmer Response: Insert label or remove colon.

IEN2080I S nnn INVALID TEXT IGNORED FROM ttt TO SEMICOLON.

INVALID TEXT IGNORED FROM ttt TO SEMICOLON.

Example:

% GOTOLABEL 2; should be % GOTO LABEL2;

IEN2081I E nnn CONFLICTING USE OF ddd.

CONFLICTING USE OF IDENTIFIER ddd AS LABEL. REFERENCE

WILL END PROCESSING.

Example:

```
%DCL (A,B,C) CHAR;  
%A: B = C;
```

Explanation: No system action is taken unless a statement that references the identifier is executed.

IEN2082I E nnn MULTIPLE USE OF ddd AS LABEL.

ddd USED AS LABEL MORE THAN ONCE. REFERENCE WILL END PROCESSING.

Example:

```
%L:A = 1;  
%L:A = 2;
```

Explanation: No system action is taken unless a statement that references the multiply-defined label is detected.

IEN2083I W nnn LABELS ON 'DECLARE' STATEMENT.

LABELS ON 'DECLARE' STATEMENT IGNORED.

Example:

```
% LABEL1: DECLARE A CHAR;
```

IEN2084I S nnn CONFLICTING USE OF ddd.

USE OF ddd CONFLICTS WITH PREVIOUS USE AS LABEL.

Example:

```
%L;  
%L = 2;
```

IEN2085I E nnn NO ATTRIBUTE DECLARED FOR ddd.

NO ATTRIBUTE DECLARED FOR PARAMETER ddd IN PROCEDURE ENDING AT THIS LINE. CHARACTER ASSUMED.

Example:

```
%PROC1: PROC (P1,P2,P3) RETURNS(CHAR);  
DCL (P1, P2) FIXED;  
%END PROC1;
```

IEN2086I E nnn LABEL ddd IS UNDEFINED.

LABEL ddd IS UNDEFINED. REFERENCE WILL END PROCESSING.

Explanation: No system action is taken unless a %GOTO statement that references the undefined label is executed. Check all references to the label, or define it.

IEN2087I E nnn END OF SOURCE TEXT IN PROGRAM.  
END OF SOURCE TEXT BEFORE LOGICAL END OF PROGRAM.  
'%END' STATEMENT ASSUMED.

Explanation: Check that each %PROCEDURE and %DO statement is matched with a %END statement.

IEN2088I E nnn ddd IS UNDEFINED IN PROCEDURE.

LABEL ddd IS UNDEFINED IN PROCEDURE ENDING AT THIS LINE. REFERENCE WILL END PROCESSING.

Explanation: A label must be defined within the procedure because no transfers out of procedures are allowed.

IEN2089I E nnn SEMICOLON AFTER 'IF' EXPRESSION.

SEMICOLON TERMINATES 'IF' EXPRESSION. SEMICOLON IGNORED.

Example:

```
%IF P1 = P2;  
%THEN %C1 = C2;
```

IEN2090I S nnn 'IF' STATEMENT IGNORED.

'IF' EXPRESSION NOT FOLLOWED BY '%' OR 'THEN'. 'IF' STATEMENT IGNORED.

Example:

```
%IF C1 = C2 GOTO ....
```

IEN2091I E nnn NO '%' BEFORE 'THEN'.

MISSING '%' ASSUMED BEFORE 'THEN' IN '%IF' STATEMENT.

Example:

```
%IF C1 = C2 THEN ....
```

IEN2092I E nnn NO 'THEN' AFTER '%'.  
MISSING 'THEN' ASSUMED AFTER '%' IN 'IF' STATEMENT.

Example:

```
%IF C1 = C2  
%  
%C2 = C3; ....
```

IEN2093I E nnn INVALID STATEMENT AFTER '%THEN' OR '%ELSE'.

STATEMENT AFTER '%THEN' OR '%ELSE' NOT A PREPROCESSOR STATEMENT. '%' INSERTED BEFORE IT.

Example:

```
% IF C1 = C2 % THEN C1 = C3;
```

Explanation: If the statement in question is not a preprocessor statement, it should be inside a preprocessor do-group.

IEN2094I E nnn MISSING 'THEN' ASSUMED.

MISSING 'THEN' ASSUMED IN 'IF' STATEMENT.

Example:

```
%P: PROC RETURNS (FIXED);  
IF I = 1 GOTO L;  
. . .
```

IEN2095I E nnn INVALID '%' IGNORED.

INVALID '%' IN PREPROCESSOR PROCEDURE IGNORED.

Example:

```
% PROC1: PROCEDURE RETURNS(CHARACTER);  
% DCL ....
```

Explanation: Statements within preprocessor procedures may not be preceded by %.

IEN2096I W nnn LABELS ON 'ELSE' IGNORED.

LABELS ON 'ELSE' IGNORED.

Example:

```
% LABEL3: ELSE % ....
```

IEN2097I E nnn NULL STATEMENT ASSUMED.

NO STATEMENT AFTER 'THEN' OR 'ELSE'. NULL STATEMENT ASSUMED.

Example:

```
% IF ....% THEN % ELSE%;
```

IEN2098I E nnn NO 'IF' BEFORE 'ELSE'.

NO 'IF' BEFORE 'ELSE'. 'ELSE' IGNORED.

Explanation: An ELSE clause has been found that is not part of an IF statement.

IEN2099I U nnn BLKSIZE FOR '%INCLUDE' ddd EXCEEDS TEXT PAGE SIZE.

BLOCKSIZE OF '%INCLUDE' ddd EXCEEDS THE TEXT PAGE SIZE

ALLOWED WITH THIS SIZE OPTION. PROCESSING TERMINATED.

Explanation: The block size you have specified for the secondary input data set exceeds the maximum allowed for the main storage size that is available to the compiler.

The preprocessor divides the input text into units known as "pages". One page is 1280 bytes. At the minimum main storage size the maximum block size is 400 bytes. This increases to 1280 bytes (one page), and 2560 bytes (two pages) as more main storage is made available to the compiler.

IEN2100I E nnn DUMMY LABEL ASSUMED ON STATEMENT.

NO LABEL ON 'PROCEDURE' STATEMENT. DUMMY LABEL ASSUMED.

Example:

%PROC RETURNS(CHAR);

Explanation: A % PROCEDURE statement should have a label.

Programmer Response: Insert a label on the PROCEDURE statement.

IEN2101I U nnn MORE THAN nnn PROCEDURES.

PREPROCESSOR RESTRICTION. MORE THAN nnn PREPROCESSOR PROCEDURES DEFINED IN A COMPILATION. PROCESSING TERMINATED.

Programmer Response: Reduce the number of preprocessor procedures to within the given limit.

IEN2102I E nnn ddd PREVIOUSLY DEFINED.

ENTRY NAME ddd PREVIOUSLY DEFINED. REFERENCE WILL END PROCESSING.

Example:

%E: PROC RETURNS(CHAR)  
.  
.  
.  
%E: PROC RETURNS (CHAR);

Explanation: No action is taken unless the multiply-defined label is referenced by a statement that is executed.

Programmer Response: Change the label on one of the %PROCEDURE statements, or remove one of the procedures.

IEN2103I E nnn INVALID USE OF ddd.

INVALID USE OF FUNCTION ddd ON LEFT OF EQUALS SYMBOL.

REFERENCE WILL END PROCESSING.

Example:

```
%DCL E ENTRY RETURNS(CHAR);
%E = 'ABC';
```

Explanation: Entry names and built-in function names may not appear on the left hand side of an assignment statement. Execution of such a statement will terminate processing.

IEN2104I E nnn CONFLICTING USE OF ddd.

CONFLICTING USE OF IDENTIFIER ddd AS ENTRY NAME.  
REFERENCE WILL END PROCESSING.

Example:

```
% DCL C CHAR;
%C = C(I);
```

Explanation: An identifier followed by a parenthesis in a compile-time processor expression is considered to be an entry name. Execution of such a statement will terminate processing.

IEN2105I E nnn MULTIPLE USE OF ddd IN PARAMETER LIST.

PARAMETER ddd APPEARS MORE THAN ONCE IN PARAMETER LIST. AN ARGUMENT CORRESPONDING TO SECOND USE OF PARAMETER WILL NOT BE USED WITHIN PROCEDURE.

Example:

```
%E: PROC(P,P) RETURNS (CHAR);
```

Explanation: The number of parameters to the procedure is not changed, but, within the procedure, references to the multiply-defined parameter will apply to its first use.

IEN2106I S nnn MORE THAN nnn PARAMETERS USED.

PREPROCESSOR RESTRICTION. MORE THAN nnn PARAMETERS USED. REFERENCE WILL END PROCESSING.

Explanation: Processing is ended if the procedure having more than 63 parameters is referenced by a statement that is executed.

IEN2107I E nnn MISSING PARAMETER.

MISSING PARAMETER. A CORRESPONDING ARGUMENT WILL NOT BE USED WITHIN PROCEDURE.

Example:

```
%PROCL: PROCEDURE (P1,P2,,P4) RETURNS (CHAR);
```

Explanation: The assumption is made that the omission

of the parameter is intentional.

IEN2108I E nnn PARAMETER ttt INVALID.

PARAMETER ttt INVALID. AN ARGUMENT CORRESPONDING TO THE PARAMETER WILL NOT BE USED WITHIN THE PROCEDURE.

Example:

%P: PROC(8) RETURNS(CHAR);

Explanation: The expected parameter is not an identifier. The parameter is assumed to exist but is not identified within the procedure.

IEN2109I S nnn TEXT IGNORED FROM ttt.

INVALID BLANK OR MISSING COMMA IN PARAMETER LIST. TEXT IGNORED FROM ttt TO NEXT COMMA OR SEMICOLON.

Example:

% PROC1: PROC (P1, P2, P3 P4) RETURNS(CHAR);

IEN2110I S nnn RIGHT PARENTHESIS ASSUMED FOR SEMICOLON.

SEMICOLON FOUND IN PARAMETER LIST. RIGHT PARENTHESIS ASSUMED.

Example:

%E: PROC (P ;

Explanation: A semicolon has been encountered during the scan of an apparent parameter list. A right parenthesis is inserted before the semicolon.

IEN2111I E nnn INVALID RETURNED VALUE ttt REPLACED BY 'CHARACTER'.

RETURNED VALUE NOT 'FIXED' OR 'CHARACTER'. ttt REPLACED BY 'CHARACTER'.

Example:

%E: PROC RETURNS(BIT);

Explanation: Returned values may only be FIXED or CHARACTER. CHARACTER is the assumed attribute.

IEN2112I E nnn 'RETURNS(CHAR)' ASSUMED FOR RETURNED VALUE.

NO ATTRIBUTE FOR RETURNED VALUE. 'RETURNS(CHAR)' ASSUMED.

Example:

%P: PROC;

IEN2114I E nnn ttt IS IGNORED.

ttt IS IGNORED IN 'DEACTIVATE' STATEMENT.

Example:

```
%DEACTIVATE A NORESCAN;
```

Explanation: RESCAN and NORESCAN options are only valid in a %ACTIVATE statement.

IEN2116I S nnn '%PROCEDURE' STATEMENT INVALID.

'%PROCEDURE' STATEMENT IN PREPROCESSOR PROCEDURE. TEXT IGNORED TO NEXT PREPROCESSOR '%END' STATEMENT.

Example:

```
% PROC: PROC;  
%PROC6: PROC;  
%END PROC6;  
%END;
```

Explanation: Procedures cannot be nested in preprocessor procedures. Other diagnostic messages may be generated by this error.

IEN2117I S nnn '%PROCEDURE' STATEMENT REPLACED BY NULL.

'%PROCEDURE' STATEMENT IN '%THEN' OR '%ELSE' CLAUSE REPLACED BY NULL STATEMENT. TEXT IGNORED TO NEXT PREPROCESSOR '%END' STATEMENT.

Example:

```
% IF C1 = C2 % THEN % PROC2: PROCEDURE;  
END PROC2;  
% ELSE % PROC3: PROCEDURE; ETC.
```

Explanation: % PROCEDURE statements are not allowed in preprocessor 'THEN' or 'ELSE' clauses. Other diagnostic messages may be generated by this error.

IEN2118I S nnn '%RETURN' STATEMENT INVALID. IGNORED.

'RETURN' STATEMENT INVALID OUTSIDE PREPROCESSOR PROCEDURE. STATEMENT IGNORED.

Example:

```
%RETURN(0);
```

IEN2119I E nnn MISSING PARENTHESIS ASSUMED.

MISSING PARENTHESIS ASSUMED FOR 'RETURN' EXPRESSION.

Example:

```
%P:PROC FIXED;  
RETURN 6);  
%END;
```

IEN2120I E nnn INVALID TEXT. IGNORED FROM ttt.

INVALID TEXT AFTER EXPRESSION IN 'RETURN' STATEMENT.  
TEXT IGNORED FROM ttt TO SEMICOLON.

Example:

RETURN ('1') IF A = B;

Explanation: The RETURN statement has been processed  
but scan finds text when it expects a semicolon.

IEN2121I S nnn 'GOTO' STATEMENT IGNORED.

NO OPERAND IN 'GOTO'. STATEMENT IGNORED.

Example:

% GOTO;

IEN2122I E nnn CONFLICTING USE OF ddd.

USE OF IDENTIFIER ddd IN 'GOTO' STATEMENT CONFLICTS  
WITH PREVIOUS USE. REFERENCE WILL END PROCESSING.

Example:

%P:PROC RETURNS (FIXED);

.  
.  
.

% GOTO P;

IEN2123I S nnn SEMICOLON MISSING. TEXT IGNORED FROM ttt.

SEMICOLON MISSING AFTER 'GOTO' STATEMENT. TEXT IGNORED  
FROM ttt TO NEXT SEMICOLON.

Example:

% GOTO LABEL4 C1 = C2;

IEN2124I U nnn 'GOTO' IS AN INVALID BRANCH.

OPERAND OF 'GOTO' IS LABEL IN ITERATIVE 'DO' OR  
INCLUDED TEXT. PROCESSING TERMINATED.

Example:

```
% GOTO L1;  
.  
.  
.  
% DO I 1 TO N;  
%L1:  
% END;
```

IEN2125I S nnn STATEMENT INVALID IN PROCEDURE.

INVALID '%ACTIVATE' OR '%DEACTIVATE' IN PREPROCESSOR PROCEDURE. STATEMENT IGNORED.

Explanation: ACTIVATE and DEACTIVATE statements may not be used in preprocessor procedures.

IEN2126I E nnn STATEMENT HAS NO OPERAND. IGNORED.

'%ACTIVATE' OR '%DEACTIVATE' HAS NO OPERAND. STATEMENT IGNORED.

Example:

```
% ACTIVATE;
```

IEN2127I E nnn REDUNDANT COMMA IGNORED.

MISSING OPERAND OR REDUNDANT COMMA IN '%ACTIVATE' OR '%DEACTIVATE'. COMMA IGNORED.

Example:

```
% DEACTIVATE C5,, C6;
```

IEN2128I S nnn INVALID FIELD IGNORED.

INVALID FIELD ttt IN 'ACTIVATE' OR 'DEACTIVATE' STATEMENT IS IGNORED.

Example:

```
%ACTIVATE 7TIMES;
```

IEN2129I S nnn IDENTIFIER ddd IGNORED.

IDENTIFIER ddd NOT PROCEDURE OR VARIABLE. IT HAS BEEN IGNORED IN '%ACTIVATE' OR '%DEACTIVATE' STATEMENT.

Example:

```
% DEACTIVATE LABEL4;  
(where LABEL4 is a statement label).
```

IEN2130I S nnn TEXT IGNORED FROM ttt.

INVALID BLANK OR MISSING COMMA IN 'ACTIVATE' OR 'DEACTIVATE' STATEMENT. TEXT IGNORED TO COMMA OR

SEMICOLON.

Example:

```
% DEACTIVATE C5, C6 C7;  
% DEACTIVATE IDEN IFIER;
```

IEN2131I S nnn NON-ITERATIVE 'DO' ASSUMED.

INVALID SYNTAX IN 'DO' STATEMENT. NON-ITERATIVE 'DO'  
ASSUMED.

Example:

```
%DO A: = 1 TO 10;
```

IEN2132I W nnn NO MAXIMUM VALUE FOR 'DO' ITERATION.

NO MAXIMUM VALUE SPECIFIED FOR 'DO' ITERATION.

Example:

```
% DO I = 1 BY 1;....
```

Explanation: This warning is given because the program  
may loop.

Programmer Response: If the program loops, provide an  
iteration limit or an alternative exit.

IEN2133I E nnn SEMICOLON ASSUMED BEFORE '%'.  
MISSING SEMICOLON ASSUMED BEFORE '%'.  
Explanation: A percent sign found in the text has been  
assumed to signify the start of a new statement.

IEN2134I E nnn SECOND 'TO' REPLACED BY 'BY'.

SECOND 'TO' FOUND IN ITERATION SPECIFICATION OF 'DO'  
STATEMENT. REPLACED BY 'BY'.

Example:

```
% DO I = 1 TO 10 TO 1;  
% DO I = 1 TO 10 TO 1 BY 1;
```

('BY' will have been ignored when this message occurs).

IEN2135I E nnn SECOND 'BY' REPLACED BY 'TO'.

SECOND 'BY' FOUND IN ITERATION SPECIFICATION OF 'DO'  
STATEMENT. REPLACED BY 'TO'.

Example:

```
% DC I = 1 BY 1 BY 10;
```

IEN2136I E nnn SEMICOLON MISSING. TEXT IGNORED FROM ttt.

MISSING SEMICOLON IN 'DO' STATEMENT. TEXT FROM ttt TO NEXT SEMICOLON IGNORED.

Example:

```
%DO I = 1 TO 10 BY 1 BY 7;
```

IEN2137I E nnn NULL STATEMENT ASSUMED BEFORE 'END'.

'END' STATEMENT MAY NOT FOLLOW 'THEN' OR 'ELSE'. NULL STATEMENT ASSUMED BEFORE 'END'.

Example:

```
% DO; %IF C1 = C2 % THEN %END;
```

IEN2138I E nnn SEMICOLON MISSING. TEXT IGNORED FROM ttt.

MISSING SEMICOLON IN 'END' STATEMENT. TEXT FROM ttt TO NEXT SEMICOLON IGNORED.

Explanation: A %END statement must be followed by a semicolon or by a label and a semicolon.

IEN2139I E nnn REDUNDANT '%END' STATEMENT IGNORED.

REDUNDANT '%END' STATEMENT IGNORED.

Explanation: A %END statement has been found that is not preceded by a %DO or %PROCEDURE statement that has not already been terminated.

IEN2140I E nnn REFERENCE TO UNKNOWN LABEL IGNORED.

LABEL REFERENCED IN '%END' STATEMENT NOT FOUND. REFERENCE IGNORED.

Explanation: The operand of the %END statement cannot be matched with the label on a %PROCEDURE or %DO statement that does not already have a matching %END statement.

IEN2141I E nnn '%' ASSUMED BEFORE 'END' STATEMENT.

'%' ASSUMED BEFORE 'END' STATEMENT OF PROCEDURE.

Explanation: The END statement is the logical end of the procedure and should be preceded by a percent sign.

IEN2142I E nnn ttt NOT A LABEL. IGNORED.

IDENTIFIER ddd ON '%END' STATEMENT NOT A LABEL. IDENTIFIER IGNORED.

Example:

```
%X = Y + A;  
.  
.
```

%END A;

IEN2143I E nnn NO 'RETURN' STATEMENT IN PROCEDURE.

NO 'RETURN' STATEMENT IN PROCEDURE ddd. NULL VALUE  
WILL BE RETURNED.

Explanation: The PL/I language requires the use of a  
RETURN statement in a preprocessor procedure; a null  
value is returned if a procedure without a RETURN  
statement is invoked.

IEN2144I S nnn 'INCLUDE' INVALID IN PROCEDURE.

'INCLUDE' STATEMENT INVALID IN PREPROCESSOR PROCEDURE.  
STATEMENT IGNORED.

Example:

```
% PROC1: PROCEDURE (P1, P2) RETURNS(CHAR);  
INCLUDE A;  
% END;
```

IEN2145I E nnn DDNAME TRUNCATED TO nnn CHARACTERS.

PREPROCESSOR RESTRICTION: DDNAME TRUNCATED TO FIRST  
nnn CHARACTERS.

Explanation: In OS/360, the maximum permitted length  
of an unqualified ddname is 8 characters.

IEN2146I E nnn INVALID FIELD. TEXT IGNORED FROM ttt.

INVALID FIELD IN '%INCLUDE' STATEMENT. TEXT IGNORED  
FROM ttt TO NEXT COMMA OR SEMICOLON.

Example:

```
%INCLUDE 7RECORDS;
```

IEN2147I S nnn '%INCLUDE' STATEMENT IGNORED.

'%INCLUDE' STATEMENT HAS NO OPERAND. STATEMENT  
IGNORED.

Example:

```
% INCLUDE;
```

IEN2148I E nnn MEMBER NAME TRUNCATED TO nnn CHARACTERS.

PREPROCESSOR RESTRICTION: MEMBER NAME TRUNCATED TO  
FIRST nnn CHARACTERS.

Explanation: In OS/360, the maximum permitted length  
of a member name for a library data set is 8  
characters.

IEN2149I E nnn RIGHT PARENTHESIS ASSUMED.  
MISSING RIGHT PARENTHESIS ASSUMED AFTER MEMBER NAME.

IEN2151I S nnn 'DECLARE' STATEMENT IGNORED.  
'DECLARE' STATEMENT INVALID AFTER 'THEN' OR 'ELSE'.  
STATEMENT IGNORED.  
Example:  
%IF C1 = C2  
%THEN %DCL C1 FIXED;  
Explanation: A DECLARE statement may only appear after  
THEN or ELSE when inside a do-group.

IEN2152I E nnn 'DECLARE' STATEMENT HAS NO OPERAND.  
'DECLARE' STATEMENT HAS NC OPERAND. STATEMENT IGNORED.  
Example:  
% DECLARE;

IEN2153I S nnn MAXIMUM FACTORING LEVEL IS nnn.  
PREPROCESSOR RESTRICTION. nnn LEVELS MAXIMUM FOR  
FACTORING IN 'DECLARE' STATEMENT. TEXT TO NEXT  
SEMICOLON IGNORED.  
Explanation: A DECLARE statement with too many levels  
of factoring has been detected.  
Programmer Response: Subdivide the DECLARE statement  
into two or more separate statements so that the level  
of factoring becomes acceptable.

IEN2154I E nnn REDUNDANT COMMA IGNORED.  
MISSING OPERAND OR REDUNDANT COMMA IN 'DECLARE'  
STATEMENT. COMMA IGNORED.  
Example:  
% DCL (C1, C2,, C3) CHAR;

IEN2155I E nnn DUMMY IDENTIFIER ASSUMED.  
IDENTIFIER MISSING WHERE EXPECTED. DUMMY ASSUMED.  
Example:  
DCL () CHAR;  
Explanation: The preprocessor expected to find an  
identifier but found a delimiter.

IEN2156I E nnn MULTIPLE DECLARATION OF ddd.

MULTIPLE DECLARATION OF IDENTIFIER ddd. REFERENCE WILL  
END PROCESSING.

Example:

```
%DCL C CHAR;  
%DCL C CHAR;
```

Explanation: An identifier may be declared only once.  
No action is taken unless the identifier is referenced.

IEN2157I S nnn INVALID SYNTAX. TEXT IGNORED FROM ttt.

INVALID SYNTAX IN 'DECLARE' STATEMENT. TEXT IGNORED  
FROM ttt TO NEXT SEMICOLON.

Example:

```
% DCL 7 FIXED;
```

IEN2158I E nnn LABEL ddd CANNOT BE DECLARED.

LABEL ddd CANNOT BE DECLARED. REFERENCE WILL END  
PROCESSING.

Example:

```
%L: etc.  
%DECLARE L FIXED;
```

IEN2159I E nnn REDUNDANT RIGHT PARENTHESIS IGNORED.

REDUNDANT RIGHT PARENTHESIS IGNCREDED.

Example:

```
% DCL (B1, E2)) FIXED;
```

IEN2160I E nnn ttt IGNORED.

INVALID ATTRIBUTE ttt IGNCREDED.

Example:

```
%DECLARE B BIT CHAR;
```

Explanation: The position in which an attribute is  
expected contains something other than FIXED,  
CHARACTER, BUILTIN, ENTRY, or RETURNS.

IEN2161I E nnn RIGHT PARENTHESIS ASSUMED.

MISSING RIGHT PARENTHESIS ASSUMED.

Example:

```
DCL (C1,C2 CHAR;
```

IEN2162I E nnn 'RETURNS' BUT NO 'ENTRY' ATTRIBUTE FOR ddd.

'RETURNS' BUT NO 'ENTRY' ATTRIBUTE FOR PROCEDURE ddd IN  
'%DECLARE' STATEMENT BEGINNING AT OR BEFORE THIS LINE.

Example:

% DCL PROC2 RETURN (FIXED);

Explanation: The identifier is treated as an ENTRY name. The effect of this statement is to activate the entry name. This error will also cause message IEN2069I to be printed.

IEN2163I E nnn ATTRIBUTES ttt ASSUMED FOR ddd.

NO ATTRIBUTES DECLARED FOR IDENTIFIER ddd. ttt ASSUMED.

Example:

% DCL A1, A2 CHAR;

Explanation: The attribute CHAR is assumed for an identifier declared without attributes, unless the identifier is given previously as a label on a PROCEDURE statement, in which case ENTRY is assumed.

IEN2165I S nnn '%GOTO' ddd IS AN INVALID BRANCH.

'%GOTO' ddd IS AN INVALID BRANCH INTO INCLUDED TEXT. EXECUTION WILL END PROCESSING.

Explanation: A source statement module included in the text by a %INCLUDE statement contains a %GOTO statement that refers to a label contained in a source statement module included in the text by a further, nested, %INCLUDE statement.

IEN2168I E nnn LABEL IGNORED.

LABEL INVALID ON LISTING CONTROL STATEMENT. LABEL IGNORED.

Example:

%L: PAGE;

Explanation: A listing control statement should not be prefixed by a label.

IEN2169I E nnn CONFLICTING ATTRIBUTE ttt FOR ddd IGNORED.

CONFLICTING ATTRIBUTES FOR IDENTIFIER ddd. ATTRIBUTE ttt IGNORED.

Example:

%DCL P CHAR RETURNS(CHAR);

IEN2170I E nnn CONFLICTING DECLARATION OF ddd.

DECLARATION OF IDENTIFIER ddd CCNFLICTS WITH PREVIOUS USE. REFERENCE WILL END PROCESSING.

Example:

```
%E: PROC RETURNS(CHAR);
%END;
%DCL E CHAR;
```

IEN2171I E nnn ZERO OPERAND ASSUMED.  
MISSING OPERAND. FIXED DECIMAL ZERO ASSUMED.

Example:

```
%A = A + ;
```

IEN2172I S nnn ttt REPLACED BY PLUS.  
INVALID OPERATOR ttt REPLACED BY PLUS.

Example:

```
%A = A**2;
```

Explanation: The operators '\*\*' and '->' are not allowed in preprocessor statements.

IEN2173I W nnn BLANK ASSUMED AFTER ttt.  
BLANK ASSUMED BETWEEN CONSTANT ttt AND FOLLOWING LETTER.

Example:

```
%DO A = '1'TO '3';
```

IEN2174I E nnn 'NOT' REPLACED BY 'NE'.  
OPERATOR 'NOT' USED AS INFIX OPERATOR. REPLACED BY 'NE'.

Example:

```
%B = (B1AB2);
```

IEN2175I W nnn TEXT FOLLOWING '%PAGE' IGNORED TO NEXT SEMICOLON.  
PREPROCESSOR RESTRICTION. TEXT FOLLOWING '%PAGE' IGNORED TO NEXT SEMICOLON.

Example:

```
%PAGE ('NEW TITLE', 200);
```

Explanation: The preprocessor does not implement the TITLE or page numbering option of the %PAGE listing control statement.

IEN2176I U nnn CONFLICTING USE OF ddd.

USE OF IDENTIFIER ddd IN EXPRESSION CONFLICTS WITH PREVIOUS USE. REFERENCE WILL END PROCESSING.

Example:

%LAB:A = LAB + 2;

IEN2177I W nnn TEXT ON SAME LINE AS LISTING CONTROL STATEMENT.

PREPROCESSOR RESTRICTION. TEXT ON SAME LINE AS LISTING CONTROL STATEMENT. STATEMENT NOT IMPLEMENTED.

Example:

%PAGE; A = 1;

Explanation: The presence of source program text following a listing control statement prevents the preprocessor from formatting the input listing at this point.

IEN2178I S nnn PLUS ASSUMED AS OPERATOR.

MISSING OPERATOR. PLUS ASSUMED.

Example:

%C = A B;

IEN2179I S nnn ZERO EXPRESSION ASSUMED.

EXPRESSION MISSING. FIXED DECIMAL ZERO ASSUMED.

Example:

% CL = ;

IEN2180I S nnn ttt REPLACED BY ZERO.

INVALID OPERAND ttt REPLACED BY FIXED DECIMAL ZERO.

Example:

%A = B + 1C;

IEN2181I E nnn LEFT PARENTHESIS ASSUMED.

MISSING LEFT PARENTHESIS ASSUMED AT BEGINNING OF EXPRESSION.

Example:

% F1 = F2 + F3);

IEN2182I U nnn STATEMENT IN ERROR.

ATTEMPT TO EXECUTE STATEMENT OR USE IDENTIFIER IN

ERROR. PROCESSING TERMINATED.

Explanation: The preprocessor tried to execute a statement or use an identifier which is in error.

Programmer Response: Check the other diagnostic messages for the error, and correct the program.

IEN2183I W nnn EXCESS ARGUMENTS TO ddd IGNORED.

TOO MANY ARGUMENTS TO FUNCTION ddd. EXCESS ARGUMENTS IGNORED.

Example:

```
%DCL E ENTRY(CHAR);  
%C = E(A,B);
```

Explanation: There are too many arguments in the procedure reference.

IEN2184I W nnn TOO FEW ARGUMENTS TO ddd.

TOO FEW ARGUMENTS TO FUNCTION ddd. NULL STRINGS PASSED AS MISSING ARGUMENTS.

Example:

```
%E: PROCEDURE(P,Q) RETURNS(FIXED);  
DECLARE (P,Q) FIXED;  
%END;  
%C = E(A);
```

Explanation: There are too few arguments in the procedure reference. For a fixed argument the null string will be converted to fixed zero.

IEN2186I U nnn ddd NOT FOUND.

REFERENCED PROCEDURE ddd NOT FOUND. PROCESSING TERMINATED.

Explanation: An entry declaration statement has been found for a procedure which is not present in the text.

IEN2187I U nnn RECURSIVE USE OF ddd INVALID.

RECURSIVE USE OF PROCEDURE ddd INVALID. PROCESSING TERMINATED.

Example:

```
%P: PROCEDURE RETURNS(CHAR);  
RETURN (P + 7);  
%END;
```

IEN2188I E nnn NULL STRING RETURNED FOR 'SUBSTR'.

TOO FEW ARGUMENTS SPECIFIED FOR BUILTIN FUNCTION

'SUBSTR'. NULL STRING RETURNED.

Example:

%S = SUBSTR(A);

IEN2189I E nnn EXCESS ARGUMENTS TO ttt IGNORED.

TOO MANY ARGUMENTS SPECIFIED FOR BUILTIN FUNCTION ttt.  
EXCESS ARGUMENTS IGNORED.

Example:

%S = SUBSTR(A,B,C,D);

IEN2190I E nnn RESULT TRUNCATED TO 5 DIGITS.

FIXED OVERFLOW. RESULT TRUNCATED TO RIGHTMOST FIVE  
DIGITS.

Example:

%A = 99999;  
%A = A + 3;

IEN2191I E nnn ZERO DIVIDE. RESULT SET TO ONE.

ZERO DIVIDE. RESULT SET TO ONE.

Example:

%A = 0;  
%B = B/A;

IEN2192I E nnn END OF SOURCE TEXT IN STATEMENT.

END OF SOURCE TEXT IN STATEMENT. STATEMENT EXECUTION  
WILL END PROCESSING.

IEN2193I E nnn IDENTIFIER BEGINNING ttt TRUNCATED.

PREPROCESSOR RESTRICTION. IDENTIFIER BEGINNING ttt IS  
TOO LONG. TRUNCATED TO FIRST 31 CHARACTERS.

Explanation: Identifiers may not exceed 31 characters.

IEN2194I S nnn ttt HAS PRECISION GREATER THAN nnn.

PREPROCESSOR RESTRICTION. CONSTANT ttt HAS PRECISION  
GREATER THAN nnn. FIXED DECIMAL ZERO ASSUMED.

Example:

%A = 123456;

Explanation: The precision of fixed decimal numbers is  
limited to 5 digits. The value zero is assigned to the  
constant.

IEN2195I E nnn QUESTION MARK IGNORED.

QUESTION MARK IGNORED.

Explanation: A question mark has no syntactical meaning.

IEN2196I S nnn PRECISION OF CONVERTED BIT STRING GREATER THAN nnn.

PREPROCESSOR RESTRICTION. BIT STRING CONVERTS TO FIXED DECIMAL NUMBER WITH PRECISION GREATER THAN nnn. RESULT TRUNCATED ON THE LEFT.

Example:

```
%DECLARE C CHARACTER, F FIXED;  
%C = '10000000000000000000'B;  
%F = (C&C);
```

Explanation: If the bit string has more than 32 bits, the last 32 bits are taken for the conversion.

IEN2197I S nnn STRING INVALID FOR CONVERSION.

STRING CONTAINS CHARACTER NOT '1' OR '0' AND CANNOT BE CONVERTED TO BIT STRING. '0' ASSUMED FOR INVALID CHARACTERS.

Example:

```
%C = 'A';  
%C = (C&(AA=B));
```

IEN2198I S nnn STRING INVALID FOR CONVERSION.

STRING CANNOT BE CONVERTED TO FIXED DECIMAL. FIXED ZERO RESULT ASSUMED.

Example:

```
%C = '1B'  
%A = 2 + C;
```

IEN2199I E nnn '%' MISSING ON LISTING CONTROL STATEMENT.

'%' MISSING ON LISTING CONTRCL STATEMENT IN COMPILE-TIME PROCEDURE.

Example:

```
%P: PROC RETURNS(CHAR);  
SKIP(2);  
%END;
```

Explanation: A listing control statement, even when in a compile-time procedure, must be preceded by a percent sign.

IEN2200I U nnn REFERENCE TO ddd TERMINATED PROCESSING.

IDENTIFIER ddd WITH CONFLICTING USE OR MULTIPLE DEFINITIONS REFERENCED. PROCESSING TERMINATED.

Explanation: An attempt has been made to execute a statement referencing an improperly defined identifier.

Programmer Response: Check the other diagnostic messages for the error, and correct the program.

IEN2201I S nnn ddd IS UNINITIALIZED.

UNINITIALIZED VARIABLE ddd USED. NULL STRING OR ZERO VALUE GIVEN.

Example:

```
%DECLARE A FIXED;  
%B = A;
```

Explanation: Variables should have values assigned to them before they are used.

IEN2202I U nnn DD STATEMENT FOR '%INCLUDE' ddd MISSING.

DD STATEMENT FOR '%INCLUDE' ddd IS MISSING. PROCESSING TERMINATED.

IEN2203I U nnn I/O ERROR SEARCHING FOR '%INCLUDE' ddd.

UNRECOVERABLE I/O ERROR SEARCHING FOR '%INCLUDE' MEMBER ddd. PROCESSING TERMINATED.

IEN2204I U nnn INVALID RECFM FOR '%INCLUDE' ddd.

INVALID RECORD FORMAT SPECIFIED FOR '%INCLUDE' ddd. PROCESSING TERMINATED.

Explanation: Either the included member has variable length spanned records (VS or VBS), or the record length specified exceeds the maximum allowed with that record format. Valid record formats are: F, FS, FBS, U, V, and VB. Valid maximum record lengths are 100 for F- or U-format and 104 for V-format records.

IEN2205I U nnn '%INCLUDE' ddd MEMBER MISSING.

'%INCLUDE' ddd MEMBER NOT FOUND ON DATA SET. PROCESSING TERMINATED.

IEN2206I W nnn RECORD LENGTH ASSUMED EQUAL TO BLOCKSIZE.

RECORD LENGTH NOT SPECIFIED FOR '%INCLUDE' ddd. ASSUMED EQUAL TO BLOCKSIZE.

IEN2207I W nnn BLOCKSIZE ASSUMED EQUAL TO RECORD LENGTH.

BLOCKSIZE NOT SPECIFIED FOR '%INCLUDE' ddd. ASSUMED EQUAL TO RECORD LENGTH.

IEN2208I W nnn RECORD LENGTH AND BLOCKSIZE NOT SPECIFIED.  
RECORD LENGTH AND BLOCKSIZE NOT SPECIFIED FOR  
'%INCLUDE' ddd. RECORD LENGTH OF 80 AND BLOCKSIZE OF  
400 ASSUMED.

IEN2209I U nnn I/O ERROR IN READING FROM ddd.  
I/O ERROR WHEN READING TEXT INCLUDED FROM FILE ddd.  
PROCESSING TERMINATED.

IEN2210I U nnn LEVEL OF NESTING OR REPLACEMENT TOO LARGE.  
PREPROCESSOR RESTRICTION. LEVEL OF NESTING OR  
REPLACEMENT GREATER THAN MAXIMUM. PROCESSING  
TERMINATED.  
Explanation: The level of nesting is calculated by  
summing the number of current unbalanced left  
parentheses, the number of current nested DO's, the  
number of current nested IF's, and the number of  
current nested replacements. A level of 25 is always  
acceptable.

IEN2211I U nnn INPUT RECORD LONGER THAN nnn.  
INPUT RECORD LONGER THAN nnn CHARACTERS. PROCESSING  
TERMINATED.  
Explanation: The input record contains more than 100  
characters.

IEN2212I U nnn INPUT RECORD LENGTH LESS THAN LEFT MARGIN.  
LENGTH OF INPUT RECORD LESS THAN LEFT MARGIN OF  
MARGINS. PROCESSING TERMINATED.  
Explanation: The length of the input record is less  
than the left margin of the MARGINS specification.

IEN2213I W nnn 'RETURNS(FIXED)' ASSUMED.  
DATA ATTRIBUTE IN '%PROCEDURE' STATEMENT IS NOT  
PARENTHEZED AND IS NOT PRECEDED BY 'RETURNS'.  
'RETURNS(FIXED)' ASSUMED.  
Example:  
%P: PROC FIXED;

IEN2214I W nnn 'RETURNS(CHAR)' ASSUMED.  
DATA ATTRIBUTE IN '%PROCEDURE' STATEMENT IS NOT  
PARENTHEZED AND IS NOT PRECEDED BY 'RETURNS'.  
'RETURNS(CHAR)' ASSUMED.  
Example:  
%P: PROC CHAR;

IEN2215I E nnn MISSING PARENTHESIS IN ddd ARGUMENT LIST.

RIGHT PARENTHESIS ASSUMED AT END OF ARGUMENT LIST FOR  
PROCEDURE ddd.

Example:

```
%DCL C CHAR;  
%E: PROC(P) RETURNS(CHAR);  
.  
.  
%END;  
%C = E(6;
```

IEN2216I U nnn INVALID STATEMENT IN ddd ARGUMENT LIST.

ARGUMENT LIST FOR PROCEDURE ddd CONTAINS A PREPROCESSOR  
STATEMENT. PROCESSING TERMINATED.

Example:

```
%DCL P ENTRY, X FIXED; P(%X = 1;X) = 1;
```

Explanation: Preprocessor statements may not be  
embedded in the argument list of a preprocessor  
function reference appearing in non-preprocessor text.

IEN2217I W nnn ARGUMENT LIST FOR ddd MISSING.

ARGUMENT LIST FOR PROCEDURE ddd IS MISSING. PROCEDURE  
INVOKED WITHOUT ARGUMENTS.

Example:

```
%DCL VAL CHAR;  
%VAL = 'BA';  
%BA: PROC(A,B) RETURNS(CHAR);  
DCL (A,B) CHAR;  
RETURN ('Z' || A || B);  
%END BA;  
%ACT BA;  
VAL (C,D);
```

Explanation: In the case of a straightforward syntax  
error, the message is self explanatory. A more  
complicated situation, involving rescanning and  
replacement, is shown in the example.

When the active identifier VAL is encountered, it is  
replaced by its current value BA. The RESCAN option  
applies (by default), so the replacement value BA is  
rescanned for further possible replacement. Since this  
value is an active reference to a procedure with  
arguments, but no argument list is present in the value  
currently being scanned (BA), the message is issued,  
and procedure BA is invoked without arguments. The  
returned value Z is inserted into the preprocessed text  
after further rescanning (and replacement if  
appropriate). Note that the rules for rescanning and  
replacement (given in Chapter 16, "Compile-time  
Facilities" in OS PL/I Checkout and Optimizing  
Compilers: Language Reference) preclude the

association of the argument list (C,D) with the replacement value BA.

IEN2218I E nnn ddd USED FOR REPLACEMENT.

IDENTIFIER HAS MORE THAN nnn CHARACTERS. REPLACEMENT DONE ON TRUNCATED FORM ddd.

Explanation: An identifier activated for replacement by the preprocessor has more than the permitted number of characters. Consequently, any replacement will be performed on the given truncated form.

Programmer Response: Modify the program so that the identifier is reduced to an acceptable length, or check that the replacement of the truncated form given does not result in further errors.

IEN2219I E nnn THIRD ARGUMENT OF 'SUBSTR' NEGATIVE.

THIRD ARGUMENT OF BUILTIN FUNCTION 'SUBSTR' NEGATIVE. NULL STRING RETURNED.

IEN2220I E nnn THIRD ARGUMENT OF 'SUBSTR' TOO LARGE.

THIRD ARGUMENT OF BUILTIN FUNCTION 'SUBSTR' GREATER THAN STRING LENGTH. RETURNED VALUE TRUNCATED AT END OF SOURCE STRING.

IEN2221I E nnn ARGUMENTS OF 'SUBSTR' TOO LARGE.

THE SUM OF THE SECOND AND THIRD ARGUMENTS OF BUILTIN FUNCTION 'SUBSTR' GREATER THAN STRING LENGTH PLUS ONE. RETURNED VALUE TRUNCATED AT END OF SOURCE STRING.

IEN2222I E nnn SECOND ARGUMENT OF 'SUBSTR' SET TO ONE.

SECOND ARGUMENT OF BUILTIN FUNCTION 'SUBSTR' LESS THAN ONE. VALUE SET TO ONE.

IEN2223I E nnn SECOND ARGUMENT OF 'SUBSTR' TOO LARGE.

SECOND ARGUMENT OF BUILTIN FUNCTION 'SUBSTR' GREATER THAN STRING LENGTH. NULL STRING RETURNED.

IEN2224I S nnn UNINITIALIZED VARIABLE IN ARGUMENT LIST.

UNINITIALIZED VARIABLE USED IN BUILTIN FUNCTION ARGUMENT LIST. NULL STRING ASSUMED.

Explanation: The variable should be initialized before invoking the builtin function. If a FIXED parameter is matched with a null string argument, the parameter will assume a value of zero.

IEN2225I U nnn CHARACTER STRINGS TOO LONG. COMPILATION TERMINATED.

PREPROCESSOR RESTRICTION. CHARACTER STRING VARIABLES AND TEMPORARIES TOO LONG. COMPILATION TERMINATED.

Explanation: The total length of all character preprocessor variables and all character string temporaries being used in the evaluation of a preprocessor expression may not exceed an implementation-defined value. Compilation is terminated because the preprocessor dictionary is full.

Programmer Response: The problem may be resolved by using more storage or by changing the program to avoid long character string variables.

IEN2226I E nnn RIGHT PARENTHESIS ASSUMED.

RIGHT PARENTHESIS ASSUMED AFTER RETURNED VALUE IN '%PROCEDURE' STATEMENT.

Example:

%P: PROC RETURNS(CHAR;

IEN2227I E nnn LEFT PARENTHESIS ASSUMED.

LEFT PARENTHESIS ASSUMED BEFORE MEMBER NAME.

Example:

%INCLUDE MEMBER);

IEN2228I E nnn 'LENGTH' INVOKED WITH NO ARGUMENTS.

BUILTIN FUNCTION 'LENGTH' INVOKED WITH NO ARGUMENTS. FIXED ZERO RETURNED.

Example:

%A = LENGTH;

IEN2229I E nnn 'INDEX' INVOKED WITH LESS THAN TWO ARGUMENTS.

BUILTIN FUNCTION 'INDEX' INVOKED WITH LESS THAN TWO ARGUMENTS. FIXED ZERO RETURNED.

Example:

%A = INDEX ('ABCDE');

or

%A = INDEX;

IEN2230I W nnn 'SEQ' INVALID.

'SEQUENCE' OPTION OR FIELD INVALID. THE GENERATED LINE NUMBER IS USED UNTIL 'SEQUENCE' BECOMES VALID AGAIN.

Explanation: An invalid SEQUENCE field has been encountered. For the preprocessor, this means that

either the NUMBER option applies but NOSEQUENCE has been specified for the current record format, or the SEQUENCE option values lie partly or wholly outside the input record. In each case, the generated line number is used until SEQUENCE becomes valid again.

- IEN2231I 'MACRO' NOT REQUIRED.
- 'MACRO' OPTION NOT REQUIRED. NO PREPROCESSOR-EXCLUSIVE STATEMENTS.
- Explanation: The program contains no % statements, other than %CONTROL, %PAGE, %SKIP, and %INCLUDE, all of which are acceptable to the compiler.
- IEN2233I E nnn SEMICOLON MISSING. ttt TO NEXT SEMICOLON IGNORED.
- SEMICOLON MISSING IN '%NOTE' STATEMENT. TEXT IGNORED FROM ttt TO NEXT SEMICOLON.
- IEN2234I E nnn SEVERITY nnn INVALID. ttt ASSUMED.
- INVALID SEVERITY CODE nnn IN '%NOTE' STATEMENT. ttt ASSUMED.
- Explanation: The severity code in a %NOTE statement must be 0, 4, 8, 12, or 16.
- IEN2235I E nnn MESSAGE TEXT TRUNCATED TO nnn CHARACTERS.
- MESSAGE TEXT IN '%NOTE' STATEMENT TOO LONG. TRUNCATED TO FIRST nnn CHARACTERS.
- Explanation: The message text in a %NOTE statement must not exceed 256 characters in length.
- IEN2236I E nnn ARGUMENTS TO ttt IGNORED.
- ARGUMENTS SPECIFIED FOR BUILTIN FUNCTION ttt. ARGUMENTS IGNORED.
- IEN2237I E nnn 'COUNTER' EXCEEDS '99999'. RESET.
- VALUE OF 'COUNTER' EXCEEDS '99999'. VALUE RESET TO '00000'.
- IEN2238I E nnn LEFT PARENTHESIS ASSUMED.
- MISSING LEFT PARANTHESIS ASSUMED IN '%NOTE' STATEMENT.
- IEN2239I W nnn LISTING CONTROL STATEMENT SPANS LINES.
- PREPROCESSOR RESTRICTION. LISTING CONTROL STATEMENT SPANS LINES. STATEMENT NOT IMPLEMENTED.
- IEN2240I E nnn FIRST SETTING OF PARAMETER ttt ASSUMED.

PARAMETER ttt MAY NOT BE SET MORE THAN ONCE. FIRST SETTING ASSUMED.

Explanation: In a statement-form preprocessor procedure invocation, an attempt has been made to set the same parameter more than once, either by a positional argument and a keyword argument, or by more than one keyword argument.

IEN2241I E nnn SPECIFICATION ttt IGNORED.

INVALID SPECIFICATION IN '%PROCEDURE' STATEMENT. ttt IGNORED.

Explanation: Only the attributes RETURNS and STATEMENT may appear on the %PROCEDURE statement.

IEN2242I E nnn INVALID KEYWORD ttt AND ANY ARGUMENT IGNORED.

INVALID KEYWORD IN STATEMENT-FORM PROCEDURE INVOCATION. ttt AND ANY ARGUMENT IGNORED.

Explanation: A keyword, specified in a statement-form procedure invocation, is not the name of any of the parameters of the procedure.

IEN2243I E nnn COMMA REPLACED BY BLANK.

INVALID COMMA IN STATEMENT-FORM PROCEDURE INVOCATION REPLACED BY BLANK.

IEN2244I E nnn 'PARMSET' INVOKED IN NON-PREPROCESSOR TEXT.

'PARMSET' BUILTIN FUNCTION INVOKED IN NON-PREPROCESSOR TEXT. NULL STRING RETURNED.

IEN2245I E nnn 'PARMSET' INVOKED OUTSIDE A PROCEDURE.

'PARMSET' BUILTIN FUNCTION INVOKED OUTSIDE A PREPROCESSOR PROCEDURE. BIT VALUE ZERO RETURNED.

IEN2246I E nnn 'PARMSET' HAS NO ARGUMENT.

'PARMSET' BUILTIN FUNCTION HAS NO ARGUMENT. BIT VALUE ZERO RETURNED.

IEN2247I E nnn ARGUMENT TO 'PARMSET' IS NOT A PARAMETER.

ARGUMENT TO 'PARMSET' BUILTIN FUNCTION IS NOT A PARAMETER OF THIS PROCEDURE. BIT VALUE ZERO RETURNED.

IEN2248I E nnn RIGHT PARENTHESIS AND SEMICOLON ASSUMED IN ddd ARGUMENT LIST.

RIGHT PARENTHESIS AND SEMICOLON ASSUMED AT END OF ARGUMENT LIST FOR PROCEDURE ddd.

Example:

```
%DCL C CHAR;
%C = 'P E(6)';
%P: PROC(E,F) STMT RETURNS(CHAR);
-
-
-
%END;
%ACT P;
C;
```

Explanation: This situation normally arises where rescanning and replacement are involved, when the final insertion into the preprocessed text is not done until all possible replacement is completed. Thus, in the example, C is replaced by an invocation of procedure P (which is erroneous and hence the message) which is in turn replaced by the returned value from the procedure. If this is not further replaceable, it is inserted into the text and the ';' is then processed.

IEN2249I E nnn SEMICOLON ASSUMED IN ddd ARGUMENT LIST.

SEMICOLON ASSUMED AT END OF ARGUMENT LIST FOR PROCEDURE ddd.

Example:

```
%DCL C CHAR;
%P: PROC(E,B) STMT RETURNS(CHAR);
-
-
-
%END;
%ACT P;
%C = 'P B(25)';
C;
```

Explanation: This situation normally arises where rescanning and replacement are involved, when the final insertion into the preprocessed text is not done until all possible replacement is completed. Thus, in the example, C is replaced by an invocation of procedure P (which is erroneous and hence the message) which is in turn replaced by the returned value from the procedure. If this is not further replaceable, it is inserted into the text and the ';' is then processed.

IEN2250I I nnn ttt  
,W,E,S,U ttt

Example:

```
%NOTE ('THIS IS A MESSAGE', 8);
gives rise to
```

IEN2250I E nnn THIS IS A MESSAGE

Explanation: This message number identifies user supplied messages generated by the preprocessor %NOTE statement.

IEN2255I E nnn LEFT PARENTHESIS ASSUMED AFTER 'RETURNS'.

MISSING LEFT PARENTHESIS ASSUMED AFTER 'RETURNS' IN  
'%PROCEDURE' STATEMENT.

IEN2256I E nnn CONFLICTING ATTRIBUTE ttt IGNORED.

ATTRIBUTE ttt in '%PROCEDURE' STATEMENT CONFLICTS WITH  
A PREVIOUSLY SPECIFIED ATTRIBUTE AND IS IGNORED.

IEN2257I E nnn INVALID SYNTAX. TEXT IGNORED FROM ttt.

INVALID SYNTAX IN '%PROCEDURE' STATEMENT. TEXT IGNORED  
FROM ttt TO NEXT SEMICOLON.

IEN2258I E nnn INVALID SYNTAX. TEXT IGNORED FROM ttt.

INVALID SYNTAX IN STATEMENT-FORM PROCEDURE INVOCATION.  
TEXT IGNORED FROM ttt TO NEXT SEMICOLON.

IEN2259I W nnn ARGUMENT nnn to ttt MISSING.

ARGUMENT nnn TO BUILTIN FUNCTION ttt MISSING. NULL  
STRING PASSED.

Explanation: An argument in the function reference is  
missing. The null string will be converted to fixed  
zero where a fixed argument is required.

IEN2260I U nnn TOO MUCH INPUT. LINE NUMBER STORAGE AREA FULL.

INPUT IS SO LARGE THAT THE LINE NUMBER STORAGE AREA IS  
FULL. PROCESSING TERMINATED.

Explanation: In the processor, the storage area  
available for line numbers depends on the region size  
in use. In a 200K region, approximately 10,000 input  
records can be accommodated.

IEN4000I E nnn 'LIKE' IN ttt INVALID.

'LIKE' ATTRIBUTE IN ttt IS INVALID IN SECONDARY  
TRANSLATION AND IS IGNORED.

IEN4001I E nnn STATEMENT NUMBER INVALID. nnn ASSUMED.

STATEMENT NUMBER IS TOO LARGE OR LESS THAN THE PREVIOUS  
STATEMENT NUMBER. nnn IS ASSUMED.

Explanation: A statement number is too large if it  
exceeds 99999999.31, or if its fractional part exceeds  
31.

IEN4002I W nnn 75 PERCENT OF STORAGE POOL USED.

75 PERCENT OF THE STORAGE POOL RESERVED FOR VARIABLES  
INTRODUCED IN NEW LOGICAL UNITS HAS BEEN USED. IF THE

POOL SPACE IS COMPLETELY FILLED, NO FURTHER EXECUTIONS  
WILL BE POSSIBLE AFTERWARDS.

IEN4003I S nnn STORAGE POOL EXHAUSTED.

THE STORAGE POOL RESERVED FOR VARIABLES INTRODUCED IN  
NEW LOGICAL UNITS HAS BEEN EXHAUSTED. IF THIS LOGICAL  
UNIT IS ATTACHED, NO FURTHER EXECUTIONS WILL BE  
PERMITTED.

IEN4004I S nnn MAXIMUM PSEUDO-REGISTERS EXCEEDED.

THE MAXIMUM NUMBER OF PSEUDO-REGISTERS RESERVED FOR  
VARIABLES INTRODUCED IN NEW LOGICAL UNITS HAS BEEN  
EXCEEDED. IF THIS LOGICAL UNIT IS ATTACHED, NO FURTHER  
EXECUTIONS WILL BE PERMITTED.

IEN4005I S nnn DUPLICATE DECLARATION OF ddd IGNORED.

IDENTIFIER ddd IS ALREADY DECLARED. THE NEW  
DECLARATION IS IGNORED.

IEN4007I E nnn LABEL PREFIX ddd DUPLICATE IN nnn.

LABEL PREFIX INITIALIZATION OF ddd IS A DUPLICATE OF  
THAT IN STATEMENT NUMBER nnn IN THIS LOGICAL UNIT.  
THIS INITIALIZATION IS IGNORED.

IEN4008I W nnn 'SNAP' AFTER 'SYSTEM' IN ttt.

'SNAP' OPTION OCCURS AFTER 'SYSTEM' OPTION IN ttt. THE  
ORDER IS REVERSED.

IEN4009I E nnn ddd NOT LEVEL ONE.

ddd IN 'ENVIRONMENT' OPTION IS NOT LEVEL ONE. ERRORS  
MAY OCCUR AT EXECUTION TIME.

IEN4010I E nnn ddd UNALIGNED.

ddd IN 'ENVIRONMENT' OPTION IS UNALIGNED. ERRORS MAY  
OCCUR AT EXECUTION TIME.

IEN4011I W nnn SEQUENCE NUMBER INVALID.

A RECORD HAS AN INCOMPLETE OR NON-EXISTENT SEQUENCE  
NUMBER. THE COMPILER WILL GENERATE SEQUENCE NUMBERS  
FOR THIS RECORD AND FOR ANY SUBSEQUENT RECORDS WITH THE  
SAME ERROR.

Explanation: This message is issued for the first  
record with an incomplete sequence field; sequence  
numbers are generated, without comment, for any  
subsequent records with the same error.

The sequence number is invalid if the NUMBER option  
applies, together with any of the following:

POOL SPACE IS COMPLETELY FILLED, NO FURTHER EXECUTIONS  
WILL BE POSSIBLE AFTERWARDS.

IEN4003I S nnn STORAGE POOL EXHAUSTED.

THE STORAGE POOL RESERVED FOR VARIABLES INTRODUCED IN  
NEW LOGICAL UNITS HAS BEEN EXHAUSTED. IF THIS LOGICAL  
UNIT IS ATTACHED, NO FURTHER EXECUTIONS WILL BE  
PERMITTED.

IEN4004I S nnn MAXIMUM PSEUDO-REGISTERS EXCEEDED.

THE MAXIMUM NUMBER OF PSEUDO-REGISTERS RESERVED FOR  
VARIABLES INTRODUCED IN NEW LOGICAL UNITS HAS BEEN  
EXCEEDED. IF THIS LOGICAL UNIT IS ATTACHED, NO FURTHER  
EXECUTIONS WILL BE PERMITTED.

IEN4005I S nnn DUPLICATE DECLARATION OF ddd IGNORED.

IDENTIFIER ddd IS ALREADY DECLARED. THE NEW  
DECLARATION IS IGNORED.

IEN4007I E nnn LABEL PREFIX ddd DUPLICATE IN nnn.

LABEL PREFIX INITIALIZATION OF ddd IS A DUPLICATE OF  
THAT IN STATEMENT NUMBER nnn IN THIS LOGICAL UNIT.  
THIS INITIALIZATION IS IGNORED.

IEN4008I W nnn 'SNAP' AFTER 'SYSTEM' IN ttt.

'SNAP' OPTION OCCURS AFTER 'SYSTEM' OPTION IN ttt. THE  
ORDER IS REVERSED.

IEN4009I E nnn ddd NOT LEVEL ONE.

ddd IN 'ENVIRONMENT' OPTION IS NOT LEVEL ONE. ERRORS  
MAY OCCUR AT EXECUTION TIME.

IEN4010I E nnn ddd UNALIGNED.

ddd IN 'ENVIRONMENT' OPTION IS UNALIGNED. ERRORS MAY  
OCCUR AT EXECUTION TIME.

IEN4011I W nnn SEQUENCE NUMBER INVALID.

A RECORD HAS AN INCOMPLETE OR NON-EXISTENT SEQUENCE  
NUMBER. THE COMPILER WILL GENERATE SEQUENCE NUMBERS  
FOR THIS RECORD AND FOR ANY SUBSEQUENT RECORDS WITH THE  
SAME ERROR.

Explanation: This message is issued for the first  
record with an incomplete sequence field; sequence  
numbers are generated, without comment, for any  
subsequent records with the same error.

The sequence number is invalid if the NUMBER option  
applies, together with any of the following:

1. The NOSEQUENCE option applies to this record.
2. The record does not reach the end of the sequence field.
3. There are no numeric characters in the last five characters of the sequence field.

The sequence number generated is the last sequence number +10.

IEN4012 S nnn ttt DUPLICATE OF LABEL AT nnn.

LABEL ttt IS A DUPLICATE OF THE LABEL AT STATEMENT NUMBER nnn. INSERTED STATEMENT LABEL IGNORED.

IEN4013I E nnn NAME BEGINNING ttt TOO LONG.

FILE OR MEMBER NAME BEGINNING ttt IN '%INCLUDE' STATEMENT IS TOO LONG, AND IS TRUNCATED TO 8 CHARACTERS.

IEN4014I W nnn '%INCLUDE' MEMBER NAME MISSING.

MEMBER NAME MISSING IN '%INCLUDE' STATEMENT. A NULL MEMBER HAVING NO TEXT IS ASSUMED.

IEN4015I E nnn ttt INVALID NAME.

ttt IN '%INCLUDE' STATEMENT IS INVALID AS A FILE OR MEMBER NAME, AND IS IGNORED.

IEN4016I E nnn LEFT PARENTHESIS AFTER ttt INVALID.

LEFT PARENTHESIS AFTER MEMBER ttt IN '%INCLUDE' STATEMENT IS INVALID BECAUSE IT IS NOT FOLLOWED BY A VALID IDENTIFIER. IT IS REPLACED BY A BLANK.

IEN4017I E nnn SEMICOLON MISSING AFTER ttt.

SEMICOLON MISSING IN '%INCLUDE' STATEMENT AFTER MEMBER ttt. A SEMICOLON IS ASSUMED.

IEN4018I E nnn '%INCLUDE' NESTING LEVEL EXCEEDS 8.

COMPILER RESTRICTION. THE NESTING LEVEL FOR '%INCLUDE' STATEMENTS EXCEEDS 8. NO TEXT WILL BE INCLUDED FOR MEMBERS IN THIS STATEMENT. THIS RESTRICTION WILL NOT APPLY IF THE 'MACRO' OPTION IS USED.

IEN4019I E nnn SKIP VALUE nnn ASSUMED.

THE SKIP VALUE IN A '%SKIP' STATEMENT IS BEYOND THE RANGE PERMITTED. A SKIP VALUE OF nnn IS ASSUMED.

Explanation: The value in a %SKIP statement must be in the range 1 through 999.

IEN4020I S nnn NO 'DD' STATEMENT FOR MEMBER ttt, DDNAME ttt.  
 UNABLE TO OPEN FILE FOR '%INCLUDE' MEMBER ttt, DDNAME ttt. 'DD' STATEMENT MISSING. MEMBER IGNORED.

IEN4021I S nnn FILE NOT DEFINED FOR MEMBER ttt, FILE ttt.  
 UNABLE TO OPEN FILE FOR '%INCLUDE' MEMBER ttt, FILE ttt. FILE HAS NOT BEEN DEFINED. MEMBER IGNORED. USE THE 'CMS'/'TSO' SUBCOMMAND, 'FILEDEF'/'ALLOCATE' THE FILE, AND THEN RETRANSLATE.

IEN4022I S nnn MEMBER ttt, DDNAME ttt, NOT FOUND.  
 '%INCLUDE' MEMBER ttt, DDNAME ttt, NOT FOUND IN DIRECTORY. MEMBER IGNORED.

IEN4023I S nnn I/O ERROR SEARCHING FOR MEMBER ttt, DDNAME ttt.  
 I/O ERROR WHILE SEARCHING DIRECTORY FOR '%INCLUDE' MEMBER ttt, DDNAME ttt. MEMBER IGNORED.

IEN4024I S nnn I/O ERROR READING MEMBER ttt, DDNAME ttt.  
 I/O ERROR WHILE READING '%INCLUDE' MEMBER ttt, DDNAME ttt. PROCESSING OF MEMBER TERMINATED.

IEN4025I S nnn RECORD LENGTH FOR ttt, DDNAME ttt, TOO LARGE.  
 LOGICAL RECORD LENGTH OF RECORD IN '%INCLUDE' MEMBER ttt, DDNAME ttt, IS TOO LARGE. RECORD IS TRUNCATED TO 104 CHARACTERS IF 'V'-FORMAT, OR 100 CHARACTERS IF 'U'-FORMAT.

IEN4026I S nnn RECORD LENGTH FOR ttt, DDNAME ttt, TOO LARGE.  
 LOGICAL RECORD LENGTH OF '%INCLUDE' MEMBER ttt, DDNAME ttt, EXCEEDS 100. ALL '%INCLUDE' RECORDS WILL BE TRUNCATED TO 100 CHARACTERS.

IEN4031I S nnn NO ttt OPTION FOR ttt STATEMENT.  
 NO ttt OPTION IS SPECIFIED IN A CLAUSE OF THIS ttt STATEMENT. CLAUSE IGNORED.

IEN4032I S nnn ttt INVALID IN PRIMARY TRANSLATION.  
 COMMAND KEYWORD ttt INVALID IN PRIMARY TRANSLATION. EXECUTION OF THE STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN4033I S nnn ttt INVALID IN LOGICAL UNIT.  
 COMMAND KEYWORD ttt INVALID IN LOGICAL UNIT.

EXECUTION OF THE STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN4034I S nnn ttt INVALID WHEN RETRANSLATING A LOGICAL UNIT.

COMMAND KEYWORD ttt INVALID WHEN RETRANSLATING A LOGICAL UNIT. EXECUTION OF THE STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN4035I S nnn ttt MAY NOT HAVE LABELS OR PREFIX CONDITIONS.

COMMAND KEYWORD ttt MAY NOT HAVE LABELS OR PREFIX CONDITIONS. EXECUTION OF THE STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN4036I S nnn ttt NOT ACCEPTED.

COMPILER RESTRICTION. ttt COMMAND CANNOT BE ACCEPTED BECAUSE OF ERRORS MENTIONED IN OTHER MESSAGES. EXECUTION OF THE STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'. A LOGICAL UNIT HAS BEEN GENERATED.

IEN4037I E nnn SEMICOLON MISSING AFTER ttt.

SEMICOLON MISSING AFTER ttt IN LISTING CONTROL STATEMENT. A SEMICOLON IS ASSUMED.

IEN4038I E nnn RIGHT PARENTHESIS MISSING AFTER ttt VALUE.

RIGHT PARENTHESIS MISSING AFTER ttt VALUE IN LISTING CONTROL STATEMENT. A RIGHT PARENTHESIS IS ASSUMED.

IEN4039I E nnn QUOTE ASSUMED AT END OF INCLUDED MEMBER.

END OF INCLUDED MEMBER OCCURS WITHIN A QUOTED STRING. A CLOSING QUOTE IS ASSUMED TO END THE MEMBER.

IEN4040I E nnn '\*/' ASSUMED AT END OF INCLUDED MEMBER.

END OF INCLUDED MEMBER OCCURS WITHIN A COMMENT. A CLOSING COMMENT DELIMITER IS ASSUMED TO THE END THE MEMBER.

IEN4041I S THE ttt SUBCOMMAND HAS INVALID TARGET IDENTIFIER.

THE ttt SUBCOMMAND HAS A TARGET-STATEMENT IDENTIFIER THAT IS NEITHER A LABEL CONSTANT NOR A STATEMENT NUMBER. AN IMMEDIATE-MODE LOGICAL UNIT IS ASSUMED.

IEN4042I E nnn ttt INVALID. ttt ASSUMED IN ttt.  
 THE ttt OPTION IS INVALID. THE ttt OPTION IS ASSUMED  
 IN THE ttt STATEMENT.

IEN4043I E nnn ttt IN LABEL PREFIX IGNORED.  
 ttt IN LABEL PREFIX IS BEING IMPLICITLY DECLARED.  
 LABEL PREFIX IGNORED.

IEN4044I E LOCAL VARIABLE(S) ddd.  
 THIS LOGICAL UNIT CONTAINS IMPLICIT OR CONTEXTUAL  
 DECLARATIONS FOR THE FOLLOWING VARIABLE(S) WHOSE SCOPE  
 IS ASSUMED TO BE LOCAL TO THE IMMEDIATE-MODE BLOCK, OR  
 'AT' OR 'ABOVE' UNIT-ttt.

IEN4045I W STRING OVERLAY DEFINING ASSUMED FOR ddd.  
 STRING OVERLAY DEFINING ASSUMED FOR ddd. THE PL/I 'F'  
 COMPILER WOULD ASSUME SIMPLE DEFINING.

IEN4046I W '%INCLUDE' STATEMENT IGNORED.  
 A '%INCLUDE' STATEMENT APPEARS IN THE INCORRECT TEXT  
 MENTIONED IN MESSAGE NUMBER IEN0668I. NO TEXT WILL BE  
 INCLUDED FOR THIS STATEMENT.

IEN4047I E STATEMENT INCOMPLETE. SEMICOLON ASSUMED.  
 DURING REFRANSLATION OF THE LOGICAL UNIT, THE LAST  
 STATEMENT WAS FOUND TO BE INCOMPLETE. A SEMICOLON IS  
 ASSUMED AT THE END OF THE STATEMENT. THIS CORRECTION  
 IS AUTOMATICALLY INSERTED IN THE STATEMENT SOURCE.

IEN4048I E QUOTE ASSUMED AT END OF LINE.  
 END OF LINE OCCURS WITHIN A QUOTED STRING. A CLOSING  
 QUOTE IS ASSUMED. THIS CORRECTION IS APPLIED TO THE  
 STATEMENT SOURCE.

IEN4049I E '\*/' ASSUMED AT END OF LINE.  
 END OF LINE OCCURS WITHIN A COMMENT. A CLOSING COMMENT  
 DELIMITER IS ASSUMED. THIS CORRECTION IS APPLIED TO  
 THE STATEMENT SOURCE.

IEN4050I I nnn ttt STATEMENT NOT SUPPORTED BY OPTIMIZING COMPILER.  
 THE ttt STATEMENT IS NOT SUPPORTED BY THE PL/I  
 OPTIMIZING COMPILER.  
Explanation: The following statements are not  
 supported by the PL/I optimizing compiler:  
 CHECK, NOCHECK, FLOW, NOFLOW, HALT, and %CONTROL.

IEN4051I I nnn ttt OPTION NOT SUPPORTED BY OPTIMIZING COMPILER.

THE ttt OPTION IS NOT SUPPORTED BY THE PL/I OPTIMIZING COMPILER.

IEN4053I I nnn ttt ATTRIBUTE NOT SUPPORTED.

THE ttt ATTRIBUTE IS NOT SUPPORTED BY THIS COMPILER. IT IS IGNORED. THE ATTRIBUTE IS SUPPORTED BY THE PL/I OPTIMIZING COMPILER.

Explanation: The following attributes are not supported by the PL/I Checkout Compiler:

ORDER,REORDER

IEN4054I W nnn OPTIMIZING COMPILER LIMIT OF 255 BLOCKS EXCEEDED.

THE NUMBER OF BEGIN BLOCKS AND PROCEDURES EXCEEDS THE PL/I OPTIMIZING COMPILER LIMIT OF 255.

IEN4057I W 'IF' NESTING LEVEL EXCEEDS OPTIMIZING COMPILER LIMIT OF 50.

THE NESTING LEVEL OF 'IF' STATEMENTS EXCEEDS THE PL/I OPTIMIZING COMPILER LIMIT OF 50.

IEN4058I W BLOCK NESTING LEVEL EXCEEDS OPTIMIZING COMPILER LIMIT OF 50.

THE NESTING LEVEL OF PROCEDURE AND BEGIN BLOCKS EXCEEDS THE PL/I OPTIMIZING COMPILER LIMIT OF 50.

IEN4059I W 'DO' NESTING LEVEL EXCEEDS OPTIMIZING COMPILER LIMIT OF 50.

THE NESTING LEVEL OF 'DO' STATEMENTS EXCEEDS THE PL/I OPTIMIZING COMPILER LIMIT OF 50.

IEN4060I S INVALID TARGET nnn.

THE TARGET SPECIFIED IN THE 'GOTO' STATEMENT WAS STATEMENT NUMBER nnn, WHICH IS OF A STATEMENT TYPE THAT IS INVALID AS A TARGET. EXECUTION OF THE 'GOTO' STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE 'GOTO' STATEMENT BY 'HALT'.

Explanation: The following statements cannot be targets of a GOTO statement:

DCL,DFT,ENTRY,FORMAT,and PROC

IEN4061I S TARGET nnn NOT YET KNOWN.

COMPILER RESTRICTION. THE TARGET SPECIFIED IN THE 'GOTO' STATEMENT WAS STATEMENT NUMBER nnn, WHICH IS GREATER THAN THE NUMBER OF THE 'GOTO' STATEMENT ITSELF.

THEREFORE, THE TARGET STATEMENT HAD YET TO BE ENTERED. EXECUTION OF THE 'GOTO' STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE 'GOTO' STATEMENT BY 'HALT'.

IEN4062I S

STATEMENT nnn NOT FOUND.

THE TARGET SPECIFIED IN THE 'GOTO' STATEMENT WAS STATEMENT NUMBER nnn, WHICH CANNOT BE FOUND. EXECUTION OF THE 'GOTO' STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE 'GOTO' STATEMENT BY 'HALT'.

IEN4063I S

R-FORMAT ITEM INVALID IN ttt.

COMPILER RESTRICTION. A REMOTE FORMAT ITEM IS NOT ALLOWED IN SECONDARY TRANSLATION IN ttt. IT IS REPLACED BY 'A(80)'.

IEN4064I S

TASKING CALL INVALID.

COMPILER RESTRICTION. A 'CALL' STATEMENT WITH THE 'TASK', 'EVENT', OR 'PRIORITY' OPTION IS NOT ALLOWED IN SECONDARY TRANSLATION. THE TASKING OPTION(S) ARE DELETED.

IEN4065I S

'T-TYPE' INSERT/REPLACE NOT ALLOWED.

COMPILER RESTRICTION. INSERT/REPLACE IS NOT ALLOWED TO HAVE A T-TYPE STATEMENT NUMBER AS A TARGET. THE 'T' IS IGNORED.

IEN4066I W

USING DELETED LABEL ddd.

A REFERENCE HAS BEEN MADE TO A LABEL ddd, WHICH HAS BEEN DELETED BY A PREVIOUS ERASURE OR REPLACEMENT.

IEN4067I E

'%INCLUDE' IGNORED IN LOGICAL UNIT.

A '%INCLUDE' STATEMENT IS NOT ALLOWED IN A LOGICAL UNIT. NO TEXT WILL BE INCLUDED FOR MEMBER(S) SPECIFIED IN THIS STATEMENT.

IEN4068I S

INVALID TARGET ddd.

FORMAT LABEL ddd HAS BEEN SPECIFIED AS A TARGET OF A 'GOTO'. 'GOTO' STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN4069I S

NOT ENOUGH SPACE TO SYNTAX CHECK THIS STATEMENT.

COMPILER RESTRICTION. THERE IS NOT ENOUGH MAIN STORAGE FOR THE COMPILER TO CORRECTLY PROCESS THIS STATEMENT. THE REST OF THE PROGRAM IS SYNTAX CHECKED, BUT GLOBAL CHECKING WILL NOT BE ALLOWED. BEFORE RUNNING THE PROGRAM AGAIN, EITHER INCREASE THE AMOUNT OF MAIN STORAGE AVAILABLE TO THE COMPILER, OR SPLIT THE

STATEMENT INTO SMALLER STATEMENTS.

IEN4070I S

NOT ENOUGH STORAGE TO SAVE CORRECTION.

THERE IS NOT ENOUGH MAIN STORAGE FOR THE COMPILER TO RETAIN A CORRECTION FOR THIS STATEMENT. USE THE 'EDIT' SUBCOMMAND TO CORRECT THE STATEMENT.

IEN4071I S

DEFINED VARIABLE ddd NOT DIMENSIONED.

DEFINED VARIABLE ddd SHOULD BE DIMENSIONED TO MATCH BASE VARIABLE. 'DEFINED' ATTRIBUTE IGNORED.

IEN4072I S

NO MATCH FOR ddd.

THE ATTRIBUTES OF EXTERNAL IDENTIFIER ddd DO NOT MATCH THOSE OF ANOTHER EXTERNAL IDENTIFIER WITH THE SAME NAME. DECLARATION IGNORED.

IEN4073I S

INVALID CALL OR FUNCTION REFERENCE TO ddd.

INVALID CALL OR FUNCTION REFERENCE TO PL/I ENTRY POINT ddd DECLARED WITH AN INTERLANGUAGE OPTION. STATEMENT REPLACED BY 'SIGNAL ERROR'.

IEN4074I E

STATEMENT NUMBER IN ttt IS OUT OF RANGE.

STATEMENT NUMBER IN ttt IS OUT OF RANGE. EITHER THE INTEGRAL PART IS REDUCED TO 66999999 OR THE FRACTIONAL PART TO 31.

IEN4075I E

'FLOW' OPTION OUT OF RANGE IN ttt.

THE VALUE OF THE 'FLOW' OPTION IN ttt IS OUTSIDE THE RANGE 1 TO 32767. THE EXCEEDED LIMIT IS ASSUMED.

IEN4076I S

DECLARATION ddd IGNORED.

COMPILER RESTRICTION. THE INSERTION OF THE DECLARATION FOR VARIABLE ddd IS IGNORED BECAUSE A VARIABLE HAS ALREADY BEEN DECLARED WITH THE SAME NAME IN THE CURRENT SCOPE. IT IS IGNORED IN THE EXECUTION BECAUSE RETRANSLATION MAY ALTER THE RESOLUTION OF THESE NAMES. TO REMOVE FROM THE SOURCE ENTER 'EDIT' SUBMODE.

IEN4077I S

LOGICAL UNIT EMPTY. TRANSLATION TERMINATED.

THE LOGICAL UNIT CONTAINS NO TEXT. ITS TRANSLATION IS TERMINATED.

IEN4078I E

'WHILE' OR 'UNTIL' WITHOUT CONTROL VARIABLE IN DATA LIST.

A DATA LIST CONTAINS AN ITERATIVE SPECIFICATION WITH A 'WHILE' OR 'UNTIL' CLAUSE, BUT NO CONTROL VARIABLE OR PSEUDO VARIABLE. THE SPECIFICATION IS ACCEPTED, BUT

A DATA LIST CONTAINS AN ITERATIVE SPECIFICATION WITH A 'WHILE' CLAUSE, BUT NO CONTROL VARIABLE OR PSEUDO VARIABLE. THE SPECIFICATION IS ACCEPTED, BUT ERRORS MAY OCCUR AT EXECUTION TIME.

- IEN4079I S 'SYSPRINT' INVALID, CHANGED TO ddd.  
COMPILER RESTRICTION. THE NAME 'SYSPRINT' IS ASSOCIATED WITH AN ITEM WHICH IS NOT 'STREAM OUTPUT PRINT FILE'. THE COMPILER HAS GENERATED THE NAME ddd AND SUBSTITUTED IT.
- IEN4080I S ccc ONLY VALID AT START OF LOGICAL UNIT. UNIT IS ccc.  
COMMAND KEYWORD ccc EITHER IS NOT ON THE FIRST LINE OF THE LOGICAL UNIT OR IS PRECEDED BY NON-BLANK CHARACTERS. THE LOGICAL UNIT IS ASSUMED TO BE ccc.
- IEN4081I W STATEMENTS FOLLOW LOGICAL END OF AT-UNIT.  
THERE ARE STATEMENTS FOLLOWING THE LOGICAL END OF THE 'AT'/'ABOVE' UNIT. THEY ARE ASSUMED TO BE PART OF THE 'AT'/'ABOVE' UNIT.
- IEN4082I E ddd HAS 'FORTRAN' OR 'COBOL' OPTION. 'NORUN' ASSUMED.  
PROCEDURE ddd HAS THE 'FORTRAN' OR 'COBOL' OPTION BUT THE LEVEL OF THE 'RUN' OPTION IN EFFECT DOES NOT UNCONDITIONALLY SUPPRESS EXECUTION. 'NORUN' IS ASSUMED.
- IEN4083I S 'IF' NESTING LEVEL EXCEEDS 255.  
COMPILER RESTRICTION. THE NESTING LEVEL OF 'IF' STATEMENTS EXCEEDS 255. ERRORS MAY OCCUR DURING 'EDIT' SUBMODE OR IN INSERT/REPLACE OR 'ERASE' SUBCOMMANDS.  
Explanation: Only issued if source management option is present.
- IEN4084I I PADDING OF STRING DURING COMPARISON.  
ONE OF THE OPERANDS OF A STRING COMPARISON MAY REQUIRE PADDING BECAUSE OF POSSIBLE DIFFERENCES IN LENGTH.
- IEN4085I W LISTING CONTROL STATEMENT WITHIN STATEMENT.  
A LISTING CONTROL STATEMENT WAS ENCOUNTERED WITHIN ANOTHER STATEMENT. THE PL/I OPTIMIZING COMPILER DOES NOT SUPPORT THIS.
- IEN4086I W nnn EXTENDED PRECISION USED IN BUILT-IN FUNCTIONS.  
EXTENDED PRECISION HAS BEEN SPECIFIED IN THE INVOCATION OF ARITHMETIC BUILT-IN FUNCTIONS, BUT THERE ARE NO EXTENDED PRECISION VARIABLES OR CONSTANTS IN THIS PROGRAM.

IEN4087I I nnn 'UNPSEC' HAS VARYING LENGTH STRING ARGUMENT.

THE ARGUMENT TO THE 'UNSPEC' BUILT-IN FUNCTION OR PSEUDO-VARIABLE IS A VARYING LENGTH CHARACTER OR BIT STRING. THE ASSOCIATED TWO-BYTE LENGTH PREFIX WILL BE INCLUDED IN THE DATA ACCESSED BY THE BUILT-IN FUNCTION OR PSEUDO-VARIABLE.

IEN4500I ttt NOT ENTRY OR LABEL CONSTANT.

ttt IN 'OFF' SUBCOMMAND IS NOT AN ENTRY OR LABEL CONSTANT. SUBCOMMAND IGNORED.

IEN4501I nnn IS 'DCL' OR 'DFT' OR IS UNKNOWN.

STATEMENT NUMBER nnn IN 'OFF' SUBCOMMAND IS A 'DECLARE' OR 'DEFAULT' STATEMENT OR NUMBER DOES NOT EXIST. SUBCOMMAND IGNORED.

ERRORS MAY OCCUR AT EXECUTION TIME.

IEN4079I S

'SYSPRINT' INVALID, CHANGED TO ddd.

COMPILER RESTRICTION. THE NAME 'SYSPRINT' IS ASSOCIATED WITH AN ITEM WHICH IS NOT 'STREAM OUTPUT PRINT FILE'. THE COMPILER HAS GENERATED THE NAME ddd AND SUBSTITUTED IT.

IEN4080I S

ccc ONLY VALID AT START OF LOGICAL UNIT. UNIT IS ccc.

COMMAND KEYWORD ccc EITHER IS NOT ON THE FIRST LINE OF THE LOGICAL UNIT OR IS PRECEDED BY NON-BLANK CHARACTERS. THE LOGICAL UNIT IS ASSUMED TO BE ccc.

IEN4081I W

STATEMENTS FOLLOW LOGICAL END OF AT-UNIT.

THERE ARE STATEMENTS FOLLOWING THE LOGICAL END OF THE 'AT'/'ABOVE' UNIT. THEY ARE ASSUMED TO BE PART OF THE 'AT'/'ABOVE' UNIT.

IEN4082I E

ddd HAS 'FORTRAN' OR 'COBOL' OPTION. 'NORUN' ASSUMED.

PROCEDURE ddd HAS THE 'FORTRAN' OR 'COBOL' OPTION BUT THE LEVEL OF THE 'RUN' OPTION IN EFFECT DOES NOT UNCONDITIONALLY SUPPRESS EXECUTION. 'NORUN' IS ASSUMED.

IEN4083I S

'IF' NESTING LEVEL EXCEEDS 255.

COMPILER RESTRICTION. THE NESTING LEVEL OF 'IF' STATEMENTS EXCEEDS 255. ERRORS MAY OCCUR DURING 'EDIT' SUBMODE OR IN INSERT/REPLACE OR 'ERASE' SUBCOMMANDS.

Explanation: Only issued if source management option is present.

IEN4084I I

PADDING OF STRING DURING COMPARISON.

ONE OF THE OPERANDS OF A STRING COMPARISON MAY REQUIRE PADDING BECAUSE OF POSSIBLE DIFFERENCES IN LENGTH.

IEN4085I W

LISTING CONTROL STATEMENT WITHIN STATEMENT.

A LISTING CONTROL STATEMENT WAS ENCOUNTERED WITHIN ANOTHER STATEMENT. THE PL/I OPTIMIZING COMPILER DOES NOT SUPPORT THIS.

IEN4086I W nnn

EXTENDED PRECISION USED IN BUILT-IN FUNCTIONS.

EXTENDED PRECISION HAS BEEN SPECIFIED IN THE INVOCATION OF ARITHMETIC BUILT-IN FUNCTIONS, BUT THERE ARE NO EXTENDED PRECISION VARIABLES OR CONSTANTS IN THIS PROGRAM.

IEN4087I I nnn

'UNPSEC' HAS VARYING LENGTH STRING ARGUMENT.

THE ARGUMENT TO THE 'UNSPEC' BUILT-IN FUNCTION OR PSEUDO-VARIABLE IS A VARYING LENGTH CHARACTER OR BIT STRING. THE ASSOCIATED TWO-BYTE LENGTH PREFIX WILL BE INCLUDED IN THE DATA ACCESSED BY THE BUILT-IN FUNCTION OR PSEUDO-VARIABLE.

- IEN4088I W nnn nnn BLOCKS/GROUPS CLOSED.  
'END' STATEMENT CAUSES nnn BLOCKS/GROUPS TO BE CLOSED.
- IEN4089I E nnn ddd IN ttt CONFLICTS WITH EARLIER OPTION.  
KEYWORD ddd CONFLICTS WITH EARLIER OPTION IN THE SAME 'DO' SPECIFICATION IN ttt. IT IS IGNORED.
- IEN4090I W nnn 'UNTIL' REDUNDANT.  
'UNTIL' OPTION WILL HAVE NO EFFECT ON EXECUTION OF 'DO' SPECIFICATION. ITERATION MAY HAVE BEEN INTENDED.
- IEN4091I W nnn NO 'WHEN' CLAUSE.  
'SELECT' GROUP HAS NO 'WHEN' CLAUSE.  
Explanation: The SELECT group contains no WHEN clause. The OTHERWISE clause, if present, will always be executed. If there is no OTHERWISE clause, the ERROR condition will be raised.
- IEN4092I W nnn NO 'OTHERWISE' CLAUSE.  
'SELECT' GROUP HAS NO 'OTHERWISE' CLAUSE. FAILURE TO EXECUTE ANY OF THE 'WHEN' UNITS WILL RESULT IN THE 'ERROR' CONDITION BEING RAISED AT EXECUTION.
- IEN4093I S nnn 'LEAVE' STATEMENT NOT CONTAINED IN A 'DO' GROUP.  
'LEAVE' STATEMENT NOT CONTAINED IN A 'DO' GROUP IN THE CURRENT BLOCK. STATEMENT REPLACED BY A 'NULL' STATEMENT.  
Explanation: The LEAVE statement must refer to a DO-group in the immediately enclosing block.
- IEN4094I I NO DECLARE STATEMENT FOR ddd.  
ONE OR MORE IDENTIFIERS USED IN THE PROGRAM DO NOT OCCUR IN A DECLARE STATEMENT AND ARE IMPLICITLY OR CONTEXTUALLY DECLARED, NAMELY ddd.
- IEN4095I I nnn PROCEDURE ddd HAS NO DECLARE STATEMENT FOR ddd.  
IN PROCEDURE ddd, ONE OR MORE PARAMETERS DO NOT OCCUR IN A DECLARE STATEMENT, NAMELY ddd.
- IEN4098I S nnn TARGET OF 'LEAVE' INVALID.

THE TARGET OF A 'LEAVE' STATEMENT LIES OUTSIDE THE UNIT CURRENTLY BEING TRANSLATED. STATEMENT IGNORED.

IEN4099I E nnn 'ASSEMBLER' ASSUMED.

'RETCODE' IS SPECIFIED BUT NOT 'ASSEMBLER', 'COBOL', or 'FORTRAN'. 'ASSEMBLER' IS ASSUMED.

IEN4100I E nnn PREFIX PRECEDES 'OTHERWISE'.

CONDITION PREFIX PRECEDING 'OTHERWISE' KEYWORD IS ASSUMED TO APPLY TO 'OTHERWISE' UNIT.

IEN4101I E nnn LABEL ddd IGNORED.

ddd IS NOT A LABEL ON A 'DO' STATEMENT THAT CAN VALIDLY BE REFERENCED BY THIS 'LEAVE' STATEMENT. IT IS IGNORED.

Example:

```
B: BEGIN;  
  D: DO;  
    LEAVE B;  
      END;  
    END;
```

IEN4102I E nnn 'END' STATEMENT ASSUMED AT ttt.

'END' STATEMENT MISSING AFTER 'OTHERWISE' CLAUSE. ONE IS ASSUMED AT ttt.

IEN4103I S nnn ttt NOT IN 'SELECT' GROUP.

ttt CLAUSE IS NOT IN A 'SELECT' GROUP. EXECUTION OF THIS STATEMENT WILL RAISE THE ERROR CONDITION. USE OF THE 'CORRECT' SUBCOMMAND UNDER THE 'SMAN' OPTION WILL REPLACE THE SOURCE STATEMENT BY 'HALT'.

IEN4114I W nnn 'SELECT' NESTING LEVEL EXCEEDS OPTIMIZING COMPILER LIMIT OF 50.

THE NESTING LEVEL OF 'SELECT' STATEMENTS EXCEEDS THE PL/I OPTIMIZING COMPILER LIMIT OF 50.

IEN4115I S nnn 'DO' STATEMENT ASSUMED AT ttt.

'DECLARE', 'DEFAULT', OR 'FORMAT' STATEMENT IS INVALID AS A 'WHEN' OR 'OTHERWISE' UNIT. 'DO' STATEMENT ASSUMED AT ttt.

IEN4117I S nnn FILE ddd NOT VALID FOR 'SAMEKEY'.

FILE ddd USED AS ARGUMENT TO THE 'SAMEKEY' BUILT-IN FUNCTION HAS ATTRIBUTES WHICH CONFLICT WITH THE 'RECORD' ATTRIBUTE. STATEMENT REPLACED BY 'SIGNAL ERROR'.

Explanation: The SAMEKEY built-in function can only be used with RECORD files.

IEN4500I ttt NOT ENTRY OR LABEL CONSTANT.

ttt IN 'OFF' SUBCOMMAND IS NOT AN ENTRY OR LABEL CONSTANT. SUBCOMMAND IGNORED.

IEN4501I nnn IS 'DCL' OR 'DFT' OR IS UNKNOWN.

STATEMENT NUMBER nnn IN 'OFF' SUBCOMMAND IS A 'DECLARE' OR 'DEFAULT' STATEMENT OR NUMBER DOES NOT EXIST. SUBCOMMAND IGNORED.

IEN4502I ttt DELETED.

LABEL ttt SPECIFIED IN 'OFF' SUBCOMMAND HAS BEEN DELETED BY AN 'ERASE' OR 'REPLACE' SUBCOMMAND. 'OFF' SUBCOMMAND IGNORED.

IEN4503I STATEMENTS IN DIFFERENT UNITS.

THE STATEMENTS SPECIFIED BY THE OPERANDS OF THE 'GROUP' SUBCOMMAND ARE IN DIFFERENT UNITS OF SOURCE. SUBCOMMAND IGNORED.

Explanation: There are four different units of source, as follows:

current source

AT/ABOVE at-unit

IMMEDIATE MODE at-unit

logical unit

IEN4505I NO 'AT' ON nnn.

NO 'AT' UNIT CURRENTLY ATTACHED TO STATEMENT NUMBER nnn. 'GROUP' SUBCOMMAND IGNORED.

IEN4506I NO 'ABOVE' ON nnn.

NO 'ABOVE' UNIT IS CURRENTLY ATTACHED TO STATEMENT NUMBER nnn. 'GROUP' SUBCOMMAND IGNORED.

IEN4507I 'FIND' MUST HAVE TEXT OPERAND.

THE 'FIND' SUBCOMMAND MUST HAVE A TEXT OPERAND WHEN USED FOR THE FIRST TIME DURING AN INVOCATION OF THE 'EDIT' SUBCOMMAND. SUBCOMMAND IGNORED.

IEN4508I NO SPACE FOR 'FIND'.

THE 'FIND' SUBCOMMAND CANNOT OPERATE BECAUSE THERE IS NOT ENOUGH SPACE IN MAIN STORAGE. SUBCOMMAND IGNORED.

IEN45091

TOTAL DELETION NOT ALLOWED.

THE TOTAL DELETION OF THE CURRENT SOURCE IS NOT ALLOWED. 'DELETE' SUBCOMMAND IGNORED.

IEN4512A

CHANGES WILL TERMINATE EXECUTION. ENTER 'Y' TO PROCEED.

THE CURRENT EXECUTION WILL BE TERMINATED IF CHANGES ARE MADE IN EDIT SOURCE SUBMODE, AND RETRANSLATION OF THE PROGRAM WILL BE NECESSARY TO RESTART EXECUTION. ENTER 'YES' OR 'Y' TO CONFIRM THE REQUESTED CHANGES. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL CANCEL THE SUBCOMMAND.

Explanation: Changes made in edit source submode require retranslation of the current external procedure before execution can be restarted. It may be possible to make the required changes by using edit unit submode to create a logical unit. In this case, only the logical unit needs to be translated, and the current execution can then continue.

IEN4513A

CHANGES WILL PREVENT EXECUTION. ENTER 'Y' TO PROCEED.

EXECUTION CANNOT TAKE PLACE AFTER CHANGES HAVE BEEN MADE IN EDIT SOURCE SUBMODE. RETRANSLATION OF THE PROGRAM WILL BE NECESSARY BEFORE EXECUTION CAN BEGIN. ENTER 'YES' OR 'Y' TO CONFIRM THE REQUESTED CHANGES. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL CANCEL THE SUBCOMMAND.

Explanation: Changes made in edit source submode require retranslation of the program before execution can begin. It may be possible to wait until execution has begun, and then make the changes using edit unit submode to create a logical unit, in which case only the logical unit would need to be translated.

IEN4520I

nnn NOT FOUND.

STATEMENT OR LINE NUMBER nnn SPECIFIED IN THE SUBCOMMAND CANNOT BE FOUND.

Explanation: Some commands require statement numbers (as opposed to line numbers), for example GROUP. If nnn is a line number in GROUP, this message will be produced. Commands with two optional operands (such as CHANGE, DELETE, FIND, LIST) can specify ranges, and not explicit statements or lines. If only one operand is specified, then that statement or line must exist.

IEN4521I

EXTERNAL PROCEDURE UNKNOWN.

EXTERNAL PROCEDURE DOES NOT EXIST OR HAS NOT YET BEEN ACTIVATED. SUBCOMMAND IGNORED.

IEN4522I

PROCEDURE COMPILED WITH 'NOSMAN'.

PROCEDURE HAS BEEN COMPILED WITH THE 'NOSMAN' OPTION,

AND SO HAS NO ASSOCIATED SOURCE TEXT. SUBCOMMAND IGNORED.

IEN4523I

NOTHING TO RENUMBER.

THE 'RENUMBER' SUBCOMMAND HAS BEEN SPECIFIED IN 'EDIT' SUBMODE, BUT THERE IS NO LOGICAL UNIT TO RENUMBER. SUBCOMMAND IGNORED.

IEN4524I

'RENUMBER IMMEDIATE' INVALID.

THE 'RENUMBER' SUBCOMMAND WITH THE 'IMMEDIATE' OPERAND IS INVALID IN 'EDIT SOURCE' SUBMODE. SUBCOMMAND IGNORED.

IEN4525I

CANNOT OPEN 'SAVE' FILE.

THE 'SAVE' FILE CANNOT BE OPENED BECAUSE OF A COMPILER OR SYSTEM PROBLEM. NOTHING SAVED.

IEN4526I

'RENUM' ASSUMED.

THE 'SAVE' SUBCOMMAND HAS BEEN ENTERED WITH THE 'FORMAT' OPERAND BUT WITHOUT 'RENUMBER'. 'RENUMBER(10)' IS ASSUMED.

IEN4527I

NOTHING SAVED.

YOU HAVE NOT REPLIED 'YES' OR 'Y' TO A PROMPT DURING THE 'SAVE' SUBCOMMAND. NOTHING HAS BEEN SAVED.

IEN4529I

I/O ERROR DURING 'SAVE'.

AN UNCORRECTABLE I/O ERROR HAS OCCURRED WHILE THE SOURCE WAS BEING SAVED. NOTHING SAVED.

IEN4530I

'RENUM' ASSUMED.

THE 'SAVE' SUBCOMMAND HAS BEEN ENTERED WITHOUT THE 'RENUMBER' OPERAND, BUT THE SOURCE WAS ORIGINALLY COMPILED WITH THE 'STMT' OPTION. 'RENUMBER(10)' IS ASSUMED.

IEN4531A

NEW RECORD FORMAT ttt, OLD ttt. ENTER 'YES' TO CONTINUE.

THE DATA SET THAT WAS TO CONTAIN THE SAVED SOURCE HAS RECORD FORMAT ttt, BUT THE ORIGINAL INPUT HAD RECORD FORMAT ttt. ENTER 'YES' OR 'Y' TO CONFIRM THAT THIS DATA SET IS TO BE USED. NOTE THAT THE SAVED SOURCE WILL PRESERVE THE 'MARGINS' AND 'SEQUENCE' VALUES OF THE INPUT TO SYNTAX CHECKING. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE 'SAVE' SUBCOMMAND.

IEN4533A

NEW RECORD LENGTH nnn, OLD nnn. ENTER 'YES' TO

CONTINUE.

THE DATA SET THAT WAS TO CONTAIN THE SAVED SOURCE HAS LOGICAL RECORD LENGTH nnn, BUT THE ORIGINAL INPUT HAD LOGICAL RECORD LENGTH nnn. ENTER 'YES' OR 'Y' TO CONFIRM THAT THIS DATA SET IS TO BE USED. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE 'SAVE' SUBCOMMAND.

IEN4534I RECORD LENGTH nnn. RIGHT MARGIN nnn.

THE LOGICAL RECORD LENGTH OF THE DATA SET THAT WAS TO CONTAIN THE SAVED SOURCE IS nnn, BUT THE SOURCE HAS A RIGHT HAND MARGIN OF nnn. NOTHING SAVED.

IEN4535I RECORD LENGTH nnn. RIGHT 'SEQ' FIELD nnn.

THE LOGICAL RECORD LENGTH OF THE DATA SET THAT WAS TO CONTAIN THE SAVED SOURCE IS nnn, BUT THE SEQUENCE FIELD EXTENDS TO COLUMN nnn. NOTHING SAVED.

IEN4536I INPUT NOT COMPLETELY READ.

AN ATTEMPT HAS BEEN MADE TO SAVE THE SOURCE IN THE DATA SET USED FOR THE PRIMARY INPUT. HOWEVER, THE COMPILER HAS NOT YET READ ALL THE RECORDS ON THIS FILE, SO TO AVOID THE RISK OF DESTROYING USEFUL DATA, NOTHING HAS BEEN SAVED. TO SAVE THE SOURCE, ENTER 'SAVE' WITH THE 'DATASET'/'FILE' OPTION.

IEN4537A DATA SET ALREADY EXISTS. ENTER 'YES' TO CONTINUE.

THE DATA SET THAT WAS TO CONTAIN THE SAVED SOURCE ALREADY EXISTS. IF THE SOURCE IS SAVED, ANYTHING IN THE DATA SET WILL BE OVERWRITTEN. ENTER 'YES' OR 'Y' TO CONFIRM THAT THIS DATA SET IS TO BE USED. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE 'SAVE' SUBCOMMAND.

IEN4539I NO SPACE FOR 'SAVE'.

THERE IS INSUFFICIENT MAIN STORAGE AVAILABLE FOR THE 'SAVE' SUBCOMMAND TO OPERATE. IF A LOT OF PL/I STORAGE IS ALLOCATED, IT MAY HELP TO FREE SOME. IF IN 'EDIT' SUBMODE, IT MAY HELP TO COME OUT OF 'EDIT' SUBMODE AND ENTER 'SAVE'.

IEN4542I NO CORRECTIONS FOR nnn.

EITHER THERE HAVE BEEN NO CORRECTIONS FOR STATEMENT NUMBER nnn DURING THIS SYNTAX CHECK OR THE CORRECTIONS HAVE BEEN PREVIOUSLY ACCEPTED.

IEN4544I nnn CORRECTED STATEMENTS LEFT.

THE 'CORRECT' SUBCOMMAND HAS TERMINATED, AND THERE ARE nnn CORRECTED STATEMENTS STILL AVAILABLE.

188.2

IEN4546A

nnn.

YOU ARE BEING PROMPTED BY THE 'CORRECT' SUBCOMMAND. STATEMENT NUMBER nnn HAS A CORRECTION. ENTER 'YES' OR 'Y' TO ACCEPT THE CORRECTION. 'END' OR ATTENTION WILL TERMINATE THE SUBCOMMAND. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', IS A REJECTION OF THE CORRECTION. THE CORRECTION WILL STILL BE AVAILABLE FOR ACCEPTANCE LATER.

IEN4550I

STATEMENT OR LINE WILL BECOME TOO LONG.

THE PROPOSED CHANGE WILL CREATE A LINE OR STATEMENT WITH MORE THAN 240 CHARACTERS. SUBCOMMAND IGNORED.

IEN4553I

ALL IDENTIFIERS OCCUR IN DECLARE STATEMENTS.

ALL IDENTIFIERS OCCUR IN DECLARE STATEMENTS. NONE ARE IMPLICITLY OR CONTEXTUALLY DECLARED.

IEN4554I

BLOCK SPECIFICATIONS IGNORED.

BLOCK SPECIFICATIONS IGNORED IN 'REFERENCE' SUBCOMMAND WHEN '(\*)' IS SPECIFIED.

IEN4555I

nnn NOT FOUND.

STATEMENT NUMBER nnn IN 'REFERENCE' SUBCOMMAND IS NOT A STATEMENT WITHIN THE SCOPE OF THE CURRENT EXTERNAL PROCEDURE. STATEMENT NUMBER IGNORED.

IEN4556I

ttt NOT FOUND.

ttt IN 'REFERENCE' SUBCOMMAND IS NOT A PROCEDURE OR ENTRY NAME IN THE CURRENT EXTERNAL PROCEDURE. ITEM IGNORED.

IEN4557I

ttt NOT FOUND IN nnn.

IDENTIFIER ttt IN 'REFERENCE' SUBCOMMAND CANNOT BE FOUND IN THE BLOCK CONTAINING STATEMENT NUMBER nnn. IDENTIFIER IGNORED.

IEN4537A DATA SET ALREADY EXISTS. ENTER 'YES' TO CONTINUE.

THE DATA SET THAT WAS TO CONTAIN THE SAVED SOURCE ALREADY EXISTS. IF THE SOURCE IS SAVED, ANYTHING IN THE DATA SET WILL BE OVERWRITTEN. ENTER 'YES' OR 'Y' TO CONFIRM THAT THIS DATA SET IS TO BE USED. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE 'SAVE' SUBCOMMAND.

IEN4539I NO SPACE FOR 'SAVE'.

THERE IS INSUFFICIENT MAIN STORAGE AVAILABLE FOR THE 'SAVE' SUBCOMMAND TO OPERATE. IF A LOT OF PL/I STORAGE IS ALLOCATED, IT MAY HELP TO FREE SOME. IF IN 'EDIT' SUBMODE, IT MAY HELP TO COME OUT OF 'EDIT' SUBMODE AND ENTER 'SAVE'.

IEN4542I NO CORRECTIONS FOR nnn.

EITHER THERE HAVE BEEN NO CORRECTIONS FOR STATEMENT NUMBER nnn DURING THIS SYNTAX CHECK OR THE CORRECTIONS HAVE BEEN PREVIOUSLY ACCEPTED.

IEN4544I nnn CORRECTED STATEMENTS LEFT.

THE 'CORRECT' SUBCOMMAND HAS TERMINATED, AND THERE ARE nnn CORRECTED STATEMENTS STILL AVAILABLE.

IEN4546A nnn.

YOU ARE BEING PROMPTED BY THE 'CORRECT' SUBCOMMAND. STATEMENT NUMBER nnn HAS A CORRECTION. ENTER 'YES' OR 'Y' TO ACCEPT THE CORRECTION. 'END' OR ATTENTION WILL TERMINATE THE SUBCOMMAND. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', IS A REJECTION OF THE CORRECTION. THE CORRECTION WILL STILL BE AVAILABLE FOR ACCEPTANCE LATER.

IEN4550I STATEMENT OR LINE WILL BECOME TOO LONG.

THE PROPOSED CHANGE WILL CREATE A LINE OR STATEMENT WITH MORE THAN 240 CHARACTERS. SUBCOMMAND IGNORED.

IEN4555I nnn NOT FOUND.

STATEMENT NUMBER nnn IN 'REFERENCE' SUBCOMMAND IS NOT A STATEMENT WITHIN THE SCOPE OF THE CURRENT EXTERNAL PROCEDURE. STATEMENT NUMBER IGNORED.

IEN4556I ttt NOT FOUND.

ttt IN 'REFERENCE' SUBCOMMAND IS NOT A PROCEDURE OR ENTRY NAME IN THE CURRENT EXTERNAL PROCEDURE. ITEM IGNORED.

IEN4557I ttt NOT FOUND IN nnn.

IDENTIFIER ttt IN 'REFERENCE' SUBCOMMAND CANNOT BE FOUND IN THE BLOCK CONTAINING STATEMENT NUMBER nnn. IDENTIFIER IGNORED.

IEN4558I            ttt NOT FOUND IN ttt.

IDENTIFIER ttt IN 'REFERENCE' SUBCOMMAND CANNOT BE FOUND IN THE SCOPE OF BLOCK ttt. IDENTIFIER IGNORED.

IEN4559I            TARGET NOT ACTIVE.

THE OPERAND OF THE 'QUALIFY' SUBCOMMAND IS THE NAME OF, OR AN ENTRY POINT IN, A PROCEDURE THAT HAS BEEN ACTIVATED IN THE CURRENT EXECUTION, BUT THAT IS NOT CURRENTLY ACTIVE. IMMEDIATE-MODE PL/I STATEMENTS NOT ALLOWED.

IEN4560A            'SAVE' AFTER 'FORMAT'. ENTER 'YES' TO CONTINUE.

YOUR PROGRAM WAS ORIGINALLY COMPILED WITH THE 'FORMAT' OPTION. THE SOURCE THAT WILL BE SAVED IS THE FORMATTED SOURCE. IT WILL HAVE THE SAME 'MARGINS' AND 'SEQUENCE' AS THE FORMATTED SOURCE AND, IF THE RECORD FORMAT OF THE SAVE DATA SET IS NOT ALREADY DEFINED, IT WILL BE GIVEN THAT OF THE ORIGINAL INPUT DATA SET. ENTER 'YES' OR 'Y' TO CONTINUE. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE 'SAVE' SUBCOMMAND.

IEN4561A            'SAVE' AFTER 'MACRO'. ENTER 'YES' TO CONTINUE.

YOUR PROGRAM WAS ORIGINALLY COMPILED WITH THE 'MACRO' OPTION. THE SOURCE THAT WILL BE SAVED IS THE SOURCE CREATED AFTER PREPROCESSING. IT WILL NOT CONTAIN ANY MACRO STATEMENTS. IT WILL HAVE THE SAME ATTRIBUTES AS THE MACRO PREPROCESSOR OUTPUT. THUS IT WILL HAVE 'MARGINS (2,72)', 'SEQUENCE (73,80)' AND, IF THE DATA SET DOES NOT ALREADY HAVE A RECORD FORMAT ASSOCIATED WITH IT, IT WILL BE GIVEN THE RECORD FORMAT OF THE ORIGINAL INPUT DATA SET. ENTER 'YES' OR 'Y' TO CONTINUE. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE 'SAVE' SUBCOMMAND.

IEN4562I            'DATASET'/'FILE' OPERAND NEEDED.

WHEN YOUR PROGRAM WAS ORIGINALLY COMPILED, THE INPUT WAS NOT IN A DATA SET WITH A NAME THAT WAS ACCESSIBLE TO THE COMPILER. YOU HAVE NOW ENTERED A 'SAVE' SUBCOMMAND WITHOUT A 'DATASET'/'FILE' OPERAND, AND THE COMPILER DOES NOT KNOW WHICH DATA SET SHOULD BE USED WHEN SAVING THE SOURCE. TO SAVE THE SOURCE, ENTER 'SAVE' WITH THE 'DATASET'/'FILE' OPERAND.

IEN4574I            nnn THRU nnn NOT FOUND.

STATEMENT OR LINE NUMBERS nnn THROUGH nnn SPECIFIED IN THE SUBCOMMAND CANNOT BE FOUND.

IEN4580I NO STARTING NUMBER FOR 'RENUMBER'.

THE 'RENUMBER' SUBCOMMAND, WHEN USED IN 'EDIT' SUBMODE WITHOUT THE 'SOURCE' OPERAND, MUST BE SPECIFIED WITH A STARTING NUMBER. LOGICAL UNIT NOT RENUMBERED.

IEN4584I DEFAULT 'BY' TOO LARGE. NO RENUMBERING.

THE 'RENUMBER' SUBCOMMAND HAS BEEN SPECIFIED WITHOUT A 'BY' NUMBER AND USE OF THE DEFAULT INCREMENT WOULD CAUSE THE MAXIMUM STATEMENT/LINE NUMBER TO BE EXCEEDED. NOTHING RENUMBERED.

IEN4585I INSUFFICIENT NUMBERS.

THERE ARE INSUFFICIENT NUMBERS TO RENUMBER THE SOURCE OR LOGICAL UNIT. 'RENUMBER' SUBCOMMAND IGNORED.

IEN4586I 'BY' nnn ASSUMED.

THE 'RENUMBER' SUBCOMMAND HAS BEEN SPECIFIED WITH A 'TO' NUMBER BUT NO 'BY' NUMBER. 'BY' NUMBER nnn IS ASSUMED.

IEN4587I INVALID INCREMENT. 'BY' nnn ASSUMED.

THE 'RENUMBER' SUBCOMMAND HAS BEEN SPECIFIED WITH A 'BY' NUMBER THAT WILL CAUSE EITHER THE SPECIFIED 'TO' NUMBER OR THE MAXIMUM STATEMENT/LINE NUMBER TO BE EXCEEDED. THE INVALID INCREMENT IS IGNORED, AND 'BY' nnn IS ASSUMED.

IEN4591I 'TSO' STORAGE ONLY nnn BYTES. ERRORS MAY OCCUR.

THE FULL AMOUNT OF STORAGE SPACE REQUIRED FOR 'TSO' SUBMODE IS NOT AVAILABLE. ONLY nnn BYTES ARE AVAILABLE. TSO COMMANDS USED IN 'TSO' SUBMODE MAY FAIL.

IEN4592I ttt COMMAND NOT ALLOWED. FOLLOWING INFORMATION FROM TSO.

THE CHECKOUT COMPILER DOES NOT ALLOW THE ttt COMMAND IN 'TSO' SUBMODE. HOWEVER, THE FOLLOWING INFORMATION IS PROVIDED BY TSO.

IEN4593I ttt COMMAND NOT AVAILABLE.

THE TSO ttt COMMAND CANNOT BE FOUND ON THE SYSTEM. COMMAND IGNORED.

IEN4594I I/O ERROR SEARCHING FOR ttt COMMAND.

A PERMANENT I/O ERROR WAS DETECTED WHEN SEARCHING A DIRECTORY FOR THE TSO ttt COMMAND. COMMAND IGNORED.

IEN4595I            ttt COMMAND TERMINATED WITH USER CODE nnn.  
 THE TSO ttt COMMAND HAS TERMINATED ABNORMALLY WITH A  
 USER COMPLETION CODE OF nnn.

IEN4596I            ttt COMMAND TERMINATED WITH SYSTEM CODE ccc.  
 THE TSO ttt COMMAND HAS TERMINATED ABNORMALLY WITH A  
 SYSTEM COMPLETION CODE OF ccc.

IEN4597I            ttt COMMAND NOT LOADED.  
 ttt COMMAND NOT LOADED BECAUSE IT REQUIRES STORAGE  
 OCCUPIED BY THE CHECKOUT COMPILER.

IEN4601I            TOO MANY DATA SETS, ttt NOT ALLOCATED.  
 THERE ARE TOO MANY DATA SETS, SO DATA SET ttt IS NOT  
 ALLOCATED AND THE SUBCOMMAND IS IGNORED. USE THE  
 'FREE' COMMAND TO FREE UNUSED DATA SETS.  
Explanation: A data set required by the checkout  
 compiler cannot be allocated because insufficient  
 dynamic DD statements are included in the LOGON  
 procedure. Allocation may be possible if you can free  
 data sets used for any previous operations. Enter TSO  
 submode and use the FREE command to free any unused  
 data sets.

IEN4602I            DATA SET ttt NOT FOUND.  
 THE DATA SET ttt CANNOT BE FOUND ON THE VOLUME, BECAUSE  
 THE CATALOG INFORMATION IS INCORRECT. SUBCOMMAND  
 IGNORED.  
Explanation: The data set cannot be found on the  
 volume specified in the operating system's data set  
 catalog. It is possible that the data set has been  
 deleted or moved to another volume, by a utility  
 program, without altering the catalog entry. If the  
 error persists, consult your system operations  
 personnel.

IEN4603I            VOLUME REQUIRED FOR ttt NOT MOUNTED.  
 VOLUME OR CONTROL VOLUME REQUIRED FOR DATA SET ttt IS  
 NOT MOUNTED. SUBCOMMAND IGNORED.  
Explanation: The data set cannot be found because the  
 volume on which it resides, or the volume containing  
 index information (the control volume) is not mounted  
 ready for use. If no alternative data set can be used,  
 or if it is the control volume that is not mounted,  
 request the system operator to mount the volume  
 required.

IEN4604I            DYNAMIC ALLOCATION ERROR ttt FOR ttt.  
 DYNAMIC ALLOCATION ERROR, CODE ttt, HAS OCCURRED WHILE

ALLOCATING DATA SET ttt. SUBCOMMAND IGNORED.

Explanation: The data set cannot be allocated because of an error in a routine handling the dynamic allocation of data sets. If no alternative data set can be used, or if the error persists, consult your system maintenance personnel.

IEN4605I INVALID UNIT, ttt NOT ALLOCATED.

INVALID UNIT IN USER ATTRIBUTE DATA SET. DATA SET ttt NOT ALLOCATED. SUBCOMMAND IGNORED.

Explanation: The data set cannot be allocated because the attributes associated with your user-identification specify a unit type that is invalid. If you are authorized to use the ACCOUNT command, you can terminate operation of the checkout compiler and then use ACCOUNT to change the unit type associated with your user-identification. Otherwise, consult your system maintenance personnel.

IEN4606I ttt ALREADY IN USE.

DATA SET ttt IS ALLOCATED TO ANOTHER JOB OR USER. SUBCOMMAND IGNORED.

Explanation: The data set cannot be allocated to you because it is already allocated to another TSO user or to another job running in the system. If all uses of the data set have the SHR status, this message will not be produced.

IEN4607I ttt NOT IN CATALOG.

DATA SET ttt IS NOT IN CATALOG. SUBCOMMAND IGNORED.

Explanation: The data set cannot be found in the operating system's data set catalog. Check the name of the data set, taking into account the data set naming conventions used by the checkout compiler, or check that the data set is cataloged.

IEN4608I ttt NOT IN ttt.

MEMBER ttt NOT IN PARTITIONED DATA SET ttt. SUBCOMMAND IGNORED.

Explanation: The member cannot be found in the partitioned data set. Check the name of the member and the data set, taking into account the data set naming conventions used by the checkout compiler.

IEN4609I ERROR OPENING ttt.

AN ERROR OCCURRED WHEN OPENING DATA SET ttt. THE DATA SET IS NOT USABLE. SUBCOMMAND IGNORED.

Explanation: This message applies only to partitioned data sets. The data set cannot be used because of an

error detected when opening the data set. If no alternative data set can be used, or if the error persists, consult your system maintenance personnel.

IEN4610I

ttt TOO LONG.

INVALID DATA SET NAME ttt EXCEEDS 44 CHARACTERS.  
SUBCOMMAND IGNORED.

Explanation: A qualified data set name must not exceed 44 characters. The separating periods and any qualifiers added by the checkout compiler are included in the count.

IEN4611I

ttt SPECIFIED, BUT ttt NOT PARTITIONED.

MEMBER ttt IS SPECIFIED, BUT ttt IS NOT A PARTITIONED DATA SET. SUBCOMMAND IGNORED.

IEN4612I

INSUFFICIENT MAIN STORAGE. ttt NOT ALLOCATED.

THERE IS INSUFFICIENT MAIN STORAGE SPACE TO ALLOW THE DATA SET ALLOCATION ROUTINES TO OPERATE CORRECTLY. DATA SET ttt IS NOT ALLOCATED. SUBCOMMAND IGNORED.

Explanation: There is insufficient main storage space available for the dynamic allocation routines. Try to RETRANSLATE (without a data set name) to recover space.

IEN4613I

MODULE ttt HAS ERROR CODE ttt.

COMMAND SYSTEM ERROR. MODULE ttt HAS ERROR CODE ttt.  
SUBCOMMAND IGNORED.

Explanation: An error has occurred in the TSO IKJDAIR service routine. If this message is produced, consult your system maintenance personnel.

IEN4614I

INSUFFICIENT SPACE ON VOLUMES. ttt NOT ALLOCATED.

THERE IS INSUFFICIENT SPACE ON THE AVAILABLE VOLUMES. DATA SET ttt IS NOT ALLOCATED AND THE SUBCOMMAND IS IGNORED. USE THE 'DELETE' COMMAND TO DELETE ANY UNUSED DATA SETS.

Explanation: The data set specified by the SAVE subcommand cannot be allocated because insufficient space exists on each of the available volumes. Allocation may be possible if you enter TSO submode and delete any data sets that are no longer required.

IEN4615I

ttt SHARED.

DATA SET ttt IS SHARED, SO IT IS NOT ALLOCATED.  
SUBCOMMAND IGNORED. USE THE 'FREE' COMMAND TO FREE THE DATA SET.

Explanation: The data set cannot be allocated because it is already allocated for this session. If all uses

of the data set have the SHR status, this message will not be produced. If you enter TSO submcde, you can then free the data set and invoke the subcommand again.

IEN4616I

ttt WILL CREATE INVALID CATALOG STRUCTURE.

DATA SET ttt WILL CREATE AN INVALID CATALOG STRUCTURE. A NAME MAY NOT BE BOTH AN INDEX AND THE LAST QUALIFIER OF A QUALIFIED DATA SET NAME. SUBCOMMAND IGNORED.

Explanation: PL1.PL1 is a valid qualified data set name. The use of another data set named PL1 would create an invalid catalog structure since PL1 cannot be used as both an index and a last qualifier.

IEN4617I

ttt NOT ON DIRECT-ACCESS DEVICE.

DATA SET ttt IS NOT ON A DIRECT-ACCESS DEVICE, AND IS NOT SUPPORTED. SUBCOMMAND IGNORED.

Explanation: TSO only supports data sets that reside on direct-access devices. The operating system's data set catalog indicates that this data set resides on another type of device.

IEN4618I

ttt ON MULTIPLE VOLUMES.

DATA SET ttt RESIDES ON MULTIPLE VOLUMES, AND IS NOT SUPPORTED. SUBCOMMAND IGNORED.

Explanation: TSO only supports data sets that reside on a single volume. The operating system's data set catalog indicates that this data set resides on more than one volume.

IEN4619I

NO UNIT FOR ttt.

THERE IS NO UNIT AVAILABLE, SO DATA SET ttt IS NOT ALLOCATED. SUBCOMMAND IGNORED.

Explanation: The data set cannot be allocated because the attributes associated with your user-identification specify a unit type of which none are available on your system. If you are authorized to use the ACCOUNT command, you can terminate operation of the checkout compiler and then use ACCOUNT to change the unit-type associated with your user-identification. Otherwise, consult your system maintenance personnel.

IEN4620I

I/O ERROR READING DIRECTORY FOR ttt.

AN I/O ERROR OCCURRED WHEN READING THE DIRECTORY FOR DATA SET ttt. THE DATA SET IS NOT USABLE. SUBCOMMAND IGNORED.

Explanation: This message applies only to partitioned data sets. The data set cannot be used because of an error detected when reading information from the data set's directory. If no alternative data set can be used, or if the error persists, consult your system

maintenance personnel.

IEN4621I CATALOG ERROR ttt FOR ttt.  
CATALOG ERROR, CODE ttt, WHILE ALLOCATING DATA SET ttt.  
SUBCOMMAND IGNORED.  
Explanation: The data set cannot be allocated because of an error in a routine handling the data set catalog. If no alternative data set can be used, or if the error persists, consult your system maintenance personnel.

IEN4622I CATALOG I/O ERROR FOR ttt.  
CATALOG I/O ERROR WHILE ALLOCATING DATA SET ttt.  
SUBCOMMAND IGNORED.  
Explanation: The data set cannot be allocated because of an error in a routine handling the data set catalog. If no alternative data set can be used, or if the error persists, consult your system maintenance personnel.

IEN4623I ttt NEW. PASSWORD ttt IGNORED.  
DATA SET ttt IS ABOUT TO BE ALLOCATED 'NEW,CATLG', SO THE PASSWORD ttt IS IGNORED. USE THE 'PROTECT' COMMAND IN TSO SUBMODE TO PROTECT THE DATA SET.

IEN4624I S DATA SET ddd IS OPEN.  
DATA SET ddd IS ASSOCIATED WITH AN OPEN FILE. DATA SET NOT ALLOCATED.

IEN4625I S NO MEMBER FOR ddd. MEMBER 'TEMPNAME' ASSUMED.  
ddd IS A PARTITIONED DATA SET BUT NO MEMBER HAS BEEN SPECIFIED. MEMBER 'TEMPNAME' ASSUMED.

IEN4626I NO LINKEDIT OF CURRENT PROCEDURES.  
RETRANSLATION WILL NOT LINK-EDIT THE PROCEDURES IN THE CURRENT INTERPRET-ONLY OR 'FETCH' ENVIRONMENT.  
Explanation: The new procedure will be retranslated, but is unlikely to interpret in a meaningful way.

IEN4627I ACTIVE 'AT' OR 'ABOVE' UNITS.  
ACTIVE 'AT' OR 'ABOVE' UNITS EXIST, WHICH WILL BE LOST IF THE COMMAND CONTINUES.

IEN4628I CHANGES NOT SAVED FOR ccc.  
CHANGES TO PROCEDURE(S) ccc HAVE NOT BEEN SAVED.

IEN4629I CHANGES NOT SAVED.

CHANGES TO THE CURRENT PROCEDURE HAVE NOT BEEN SAVED.

IEN4630A

ENTER 'YES' TO CONTINUE.

THE PREVIOUS MESSAGE(S) CALL ATTENTION TO POSSIBLE OMISSIONS THAT HAVE BEEN DIAGNOSED. ENTER 'YES' OR 'Y' TO CONFIRM THAT THE SUBCOMMAND IS TO CONTINUE. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE SUBCOMMAND AND ALLOW THE OMISSIONS TO BE CORRECTED.

IEN4631I

TOO EARLY FOR 'RETRANSLATE'.

THE 'RETRANSLATE' COMMAND MAY NOT BE USED WITHOUT THE 'DATASET'/'FILE' OPERAND DURING PRIMARY SYNTAX CHECKING. COMMAND IGNORED.

IEN4632I

REMAINING INPUT WILL BE IGNORED.

END OF DATA ON THE INPUT DATA SET HAS NOT BEEN REACHED. ANY UNREAD SOURCE OR DATA DELIMITED BY '\*PROCESS' OR '\*DATA' WILL BE IGNORED IF YOU CONTINUE.

IEN4633I

INSUFFICIENT MAIN STORAGE. ddd NOT FREED.

THERE IS INSUFFICIENT MAIN STORAGE TO FREE FILE ddd. IT REMAINS ALLOCATED. USE THE TSO 'FREE' COMMAND LATER, TO FREE THE FILE.

IEN4634I

'FORTRAN' OR 'COBOL' OPTION REQUIRES LINK-EDIT.

PROCEDURE HAS THE 'FORTRAN' OR 'COBOL' OPTION BUT HAS NOT BEEN LINK-EDITED. EXECUTION IS TERMINATED.

IEN4636I

'EDIT' OPERAND(S) IGNORED.

WHEN ENTERING 'EDIT' SUBMODE WITHIN A LOGICAL UNIT, NO OPERAND(S) MAY BE SPECIFIED. 'EDIT UNIT' SUBMODE IS ASSUMED, AND THE REST OF THE LINE IS IGNORED.

IEN4637I

ddd ASSUMED TO BE ddd.

SUBCOMMAND ddd DOES NOT EXIST. IT IS ASSUMED TO BE ddd.

IEN4638I

TARGET STATEMENT REPLACED. SUBCOMMAND IGNORED.

THE STATEMENT TO WHICH CONTROL WOULD BE RETURNED HAS BEEN REPLACED OR ERASED. THE SUBCOMMAND IS IGNORED. USE THE 'GOTO' STATEMENT TO RESUME EXECUTION.

IEN4639I

IMMEDIATE PL/I INVALID.

AN IMMEDIATE PL/I STATEMENT MAY BE EXECUTED ONLY IN AN ACTIVE PROCEDURE, BUT AN INACTIVE PROCEDURE HAS BEEN SPECIFIED PREVIOUSLY USING THE 'QUALIFY' SUBCOMMAND. 'AT', 'ABOVE', OR INSERT/REPLACE UNITS MAY BE ENTERED.

IEN4640I

DISK IS READ ONLY.

AN ATTEMPT HAS BEEN MADE TO SAVE ONTO A READ ONLY DISK  
OR A READ ONLY EXTENSION OF A READ/WRITE DISK.  
SUBCOMMAND TERMINATED.

Explanation: Attempt to SAVE onto a READ ONLY disk.

IEN4642I

FILE NOT FOUND.

THE FILE SPECIFIED IN THE 'RETRANSLATE' SUBCOMMAND  
CANNOT BE FOUND ON THE ACCESSED DISK(S) BECAUSE IT WAS  
NOT ON THE SPECIFIED DISK OR THE FILEID WAS MISSPELLED.  
SUBCOMMAND TERMINATED.

IEN4646I

INPUT DATA SET NAME NOT KNOWN.

INPUT DATA SET NAME NOT KNOWN FOR 'RETRANSLATE'  
SUBCOMMAND. DEFAULT NAMES CANNOT BE USED BECAUSE THE  
'SMAN' OPTION IS OFF OR IT IS TOO EARLY FOR INTERNAL  
SOURCE.

IEN4647I

MODIFICATION OF INCLUDED TEXT IN STATEMENT nnn INVALID.

THIS SUBCOMMAND WILL MODIFY STATEMENT nnn WHICH HAS  
BEEN INCLUDED BY A '%INCLUDE' STATEMENT. SUBCOMMAND  
IGNORED.

IEN4648I

DELETION OF INCLUDED TEXT IN nnn THROUGH nnn INVALID.

DELETION OF nnn THROUGH nnn WILL DELETE TEXT INCLUDED  
BY A '%INCLUDE' STATEMENT. SUBCOMMAND IGNORED.

IEN4649I

INSERT/REPLACE OF INCLUDED TEXT IN nnn INVALID.

INSERT/REPLACE SUBCOMMAND FOR STATEMENT nnn WILL MODIFY  
TEXT INCLUDED BY A '%INCLUDE' STATEMENT. SUBCOMMAND  
IGNORED.

IEN4650I

STATEMENT nnn. INVALID ERASURE OF ttt.

STATEMENT NUMBER nnn. ttt CANNOT BE ERASED OR  
REPLACED. SUBCOMMAND IGNORED.

IEN4651I

STATEMENT nnn. INVALID ERASURE OF 'ELSE' WITHOUT  
CORRESPONDING 'IF'.

STATEMENT NUMBER nnn. THE 'ELSE' CANNOT BE ERASED OR  
REPLACED WITHOUT ITS CORRESPONDING 'IF'. SUBCOMMAND  
IGNORED.

IEN4652I

STATEMENT nnn. INVALID ERASURE OF 'END' WITHOUT  
CORRESPONDING 'DO' OR 'SELECT'.

STATEMENT NUMBER nnn. THE 'END' CANNOT BE ERASED OR  
REPLACED WITHOUT ITS CORRESPONDING 'DO' OR 'SELECT'.  
SUBCOMMAND IGNORED.

- IEN4653I            STATEMENT nnn. INVALID ERASURE OF 'DO' OR 'SELECT'  
WITHOUT CORRESPONDING 'END'.
- I                    STATEMENT NUMBER nnn. THE 'DO' OR 'SELECT' CANNOT BE  
ERASED OR REPLACED WITHOUT ITS CORRESPONDING 'END'.  
SUBCOMMAND IGNORED.
- IEN4654I            STATEMENT nnn. INVALID ERASURE OF 'IF' WITHOUT  
CORRESPONDING 'ELSE'.
- STATEMENT NUMBER nnn. THE 'IF' CANNOT BE ERASED OR  
REPLACED WITHOUT ITS CORRESPONDING 'ELSE'. SUBCOMMAND  
IGNORED.
- IEN4655I            INVALID ERASURE. STATEMENT nnn ACTIVE.
- STATEMENT NUMBER nnn IS ACTIVE AND CANNOT BE ERASED OR  
REPLACED. SUBCOMMAND IGNORED.
- Explanation: An active statement is a statement that  
had started executing before control came to the  
terminal and has not yet completed.
- IEN4656I            STATEMENT nnn NOT FOUND.
- STATEMENT NUMBER nnn IS NOT IN THE CURRENT EXTERNAL  
PROCEDURE. SUBCOMMAND IGNORED.
- IEN4657I            LABEL ttt NOT FOUND.
- ddd IS NOT A LABEL CONSTANT WHICH IS KNOWN IN THE  
CURRENT SCOPE, OR IT IS A DEFINED LABEL, OR IT IS A  
LABEL ON A STATEMENT WHICH CANNOT HAVE ATTACHED 'AT' OR  
'ABOVE' UNITS. SUBCOMMAND IGNORED.
- IEN4658I            STATEMENT nnn OUT OF SEQUENCE.
- STATEMENT NUMBER nnn IS OUT OF SEQUENCE IN THE  
INSERT/REPLACE LOGICAL UNIT. USE THE 'RENUMBER'  
SUBCOMMAND IN 'EDIT' SUBMODE TO RENUMBER THE LOGICAL  
UNIT BEFORE RETRANSLATION.
- IEN4659I            IMMEDIATE STATEMENT nnn FOUND.
- THE INSERT/REPLACE LOGICAL UNIT CONTAINS IMMEDIATE  
STATEMENT NUMBER nnn. USE THE 'RENUMBER' SUBCOMMAND IN  
'EDIT' SUBMODE TO RENUMBER THE LOGICAL UNIT BEFORE  
RETRANSLATION.
- IEN4660I            INCOMPLETE ERASURE OF '%INCLUDE' TEXT.
- THE RANGE OF STATEMENTS BEING ERASED OR REPLACED  
CONTAINS SOME, BUT NOT ALL, OF THE STATEMENTS GENERATED  
BY A '%INCLUDE' STATEMENT. SUBCOMMAND IGNORED.
- IEN4661I            ttt INVALID TARGET FOR 'AT'/'ABOVE'.

'AT' AND 'ABOVE' UNITS CANNOT BE ATTACHED TO ttt STATEMENT. SUBCOMMAND IGNORED.

IEN4662I NO INSERTIONS ALLOWED BEFORE 'ELSE'.

STATEMENTS CANNOT BE INSERTED IMMEDIATELY BEFORE AN 'ELSE' STATEMENT. NOTHING INSERTED.

IEN4663I TRANSLATION TERMINATED.

TRANSLATION CANNOT CONTINUE FOR THE REASONS GIVEN IN THE PREVIOUS MESSAGE(S).

IEN4664I UNRESOLVED LABEL(S) ddd.

THE ERASURE OR REPLACEMENT WILL CAUSE ONE OR MORE LABELS TO BECOME UNRESOLVED. THE LABEL(S) ARE ddd.

IEN4665A ENTER 'YES' TO ERASE nnn STATEMENTS, nnn THRU nnn.

ENTER 'YES' OR 'Y' TO ERASE THE nnn STATEMENTS FROM nnn THROUGH nnn. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE SUBCOMMAND.

IEN4666A ENTER 'YES' TO REPLACE nnn STATEMENTS, nnn THRU nnn.

ENTER 'YES' OR 'Y' TO REPLACE THE nnn STATEMENTS, NUMBERS nnn THROUGH nnn, WITH THE CURRENT LOGICAL UNIT. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE SUBCOMMAND. THE LOGICAL UNIT IS STILL AVAILABLE, AND CAN BE MODIFIED IN 'EDIT' SUBMODE.

IEN4667A ttt INVALID OPERAND. REENTER.

ttt IS NOT A VALID OPERAND FOR THIS SUBCOMMAND, AND HAS BEEN DELETED. ENTER A VALID OPERAND, OR A NULL LINE IF NO EXTRA OPERAND IS REQUIRED, OR SIGNAL ATTENTION TO TERMINATE THE SUBCOMMAND.

IEN4668I 'PROC' OPERAND IGNORED.

'PROCEDURE' OPERAND IS NOT ACCEPTABLE DURING PRIMARY TRANSLATION. OPERAND IGNORED.

IEN4669A ENTER MISSING OPERAND(S).

INSUFFICIENT OPERANDS HAVE BEEN SPECIFIED FOR THIS SUBCOMMAND. ENTER MISSING OPERAND(S), OR ENTER 'HELP' FOLLOWED BY THE SUBCOMMAND NAME TO OBTAIN MORE INFORMATION ABOUT THE OPERAND(S) REQUIRED.

IEN4670A ENTER 'YES' TO ERASE nnn.

ENTER 'YES' OR 'Y' TO ERASE STATEMENT NUMBER nnn. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE SUBCOMMAND.

- IEN4671A            ENTER 'YES' TO REPLACE nnn.
- ENTER 'YES' OR 'Y' TO REPLACE STATEMENT NUMBER nnn WITH  
                  THE CURRENT LOGICAL UNIT. ANY OTHER RESPONSE, EXCEPT  
                  'HELP' OR 'H', WILL TERMINATE THE SUBCOMMAND. THE  
                  LOGICAL UNIT IS STILL AVAILABLE, AND CAN BE MODIFIED IN  
                  'EDIT' SUBMODE.
- IEN4673I            UNRECOVERABLE SCANNING ERROR. SUBCOMMAND IGNORED.
- SUBCOMMAND CANNOT CONTINUE BECAUSE OF AN ERROR IN  
                  SYNTAX CHECKING. RE-ENTER THE ENTIRE SUBCOMMAND.
- IEN4674I            RE-RESOLVED LABEL(S) ddd.
- THE REPLACEMENT OR INSERTION WILL CAUSE ONE OR MORE  
                  LABELS TO BE RE-RESOLVED. THE LABEL(S) ARE ddd.
- IEN4675I            STATEMENT/LINE NUMBER OVERLAP.
- AN OVERLAP EXISTS BETWEEN A STATEMENT OR LINE NUMBER IN  
                  THE LOGICAL UNIT AND A STATEMENT OR LINE NUMBER THAT IS  
                  NOT BEING ERASED FROM THE CURRENT SOURCE. SUBCOMMAND  
                  IGNORED.
- IEN4676I            INSERTION INTO '%INCLUDE' TEXT.
- THE INSERTION IS BEING MADE INTO A RANGE OF STATEMENTS  
                  GENERATED BY A '%INCLUDE' STATEMENT. NOTHING INSERTED.
- IEN4677I            BLANK ASSUMED AFTER nnn.
- NO DELIMITER APPEARS BETWEEN nnn AND THE SEMICOLON. A  
                  BLANK IS ASSUMED, AND THE SEMICOLON TAKEN AS INSERTED  
                  TEXT.
- IEN4678I            PROCEDURE NAME SHORTENED TO ttt.
- THE PROCEDURE NAME IS LONGER THAN SEVEN CHARACTERS, AND  
                  HAS BEEN SHORTENED TO ttt.
- IEN4679I            ttt INVALID LINE/STATEMENT NUMBER. RE-ENTER.
- THE INSERT/REPLACE SUBCOMMAND DOES NOT BEGIN WITH A  
                  VALID LINE/STATEMENT NUMBER. ttt HAS BEEN DELETED.  
                  ENTER A VALID LINE/STATEMENT NUMBER, OR SIGNAL  
                  ATTENTION TO TERMINATE THE SUBCOMMAND.
- IEN4680I            INSERT/REPLACE IGNORED.
- ALL OPERANDS OF THE INSERT/REPLACE SUBCOMMAND HAVE BEEN  
                  DELETED. SUBCOMMAND IGNORED.
- IEN4681I            INVALID INSERTION INTO 'SELECT' GROUP.
- IN A 'SELECT' GROUP, STATEMENTS CANNOT BE INSERTED

IMMEDIATELY BEFORE A 'WHEN' OR 'OTHERWISE' CLAUSE, OR THE END OF THE 'SELECT' GROUP. NOTHING INSERTED.

Example:

```

SELECT(X);
    WHEN (1) DO;
        A=B;
    END;
    WHEN(2) C=D;
    WHEN(3) E=F;
    OTHERWISE DO;
        G=H;
    END;
END;

```

<- insertions not allowed  
 <- insertions allowed  
 <- insertions allowed  
 <- insertions not allowed  
 <- insertions not allowed  
 <- insertions not allowed  
 <- insertions allowed  
 <- insertions allowed  
 <- insertions not allowed

Explanation: If new WHEN clauses are to be inserted, or the overall structure of the SELECT group changed, this should be done using EDIT UNIT submode to edit the entire SELECT group.

IEN4682I

STATEMENT nnn. INVALID ERASURE OF PART OF 'SELECT' GROUP.

STATEMENT NUMBER nnn. AN INCOMPLETE 'SELECT' GROUP CANNOT BE ERASED OR REPLACED. SUBCOMMAND IGNORED.

Example:

```

60  SELECT;
70  WHEN(1) A=B;
80  END;

```

and 70 WHEN(1) A=C; is entered at the terminal during execution.

IEN5000I

nnnX ttt DELETED.

ONCODE=9006. LABEL CONSTANT ttt HAS BEEN DELETED AND NOT REPLACED. 'ERROR' CONDITION RAISED.

ENTER 'YES' OR 'Y' TO REPLACE STATEMENT NUMBER nnn WITH THE CURRENT LOGICAL UNIT. ANY OTHER RESPONSE, EXCEPT 'HELP' OR 'H', WILL TERMINATE THE SUBCOMMAND. THE LOGICAL UNIT IS STILL AVAILABLE, AND CAN BE MODIFIED IN 'EDIT' SUBMODE.

IEN4673I UNRECOVERABLE SCANNING ERROR. SUBCOMMAND IGNORED.  
SUBCOMMAND CANNOT CONTINUE BECAUSE OF AN ERROR IN SYNTAX CHECKING. RE-ENTER THE ENTIRE SUBCOMMAND.

IEN4674I RE-RESOLVED LABEL(S) ddd.  
THE REPLACEMENT OR INSERTION WILL CAUSE ONE OR MORE LABELS TO BE RE-RESOLVED. THE LABEL(S) ARE ddd.

IEN4675I STATEMENT/LINE NUMBER OVERLAP.  
AN OVERLAP EXISTS BETWEEN A STATEMENT OR LINE NUMBER IN THE LOGICAL UNIT AND A STATEMENT OR LINE NUMBER THAT IS NOT BEING ERASED FROM THE CURRENT SOURCE. SUBCOMMAND IGNORED.

IEN4676I INSERTION INTO '%INCLUDE' TEXT.  
THE INSERTION IS BEING MADE INTO A RANGE OF STATEMENTS GENERATED BY A '%INCLUDE' STATEMENT. NOTHING INSERTED.

IEN4677I BLANK ASSUMED AFTER nnn.  
NO DELIMITER APPEARS BETWEEN nnn AND THE SEMICOLON. A BLANK IS ASSUMED, AND THE SEMICOLON TAKEN AS INSERTED TEXT.

IEN4678I PROCEDURE NAME SHORTENED TO ttt.  
THE PROCEDURE NAME IS LONGER THAN SEVEN CHARACTERS, AND HAS BEEN SHORTENED TO ttt.

IEN4679I ttt INVALID LINE/STATEMENT NUMBER. RE-ENTER.  
THE INSERT/REPLACE SUBCOMMAND DOES NOT BEGIN WITH A VALID LINE/STATEMENT NUMBER. ttt HAS BEEN DELETED. ENTER A VALID LINE/STATEMENT NUMBER, OR SIGNAL ATTENTION TO TERMINATE THE SUBCOMMAND.

IEN4680I INSERT/REPLACE IGNORED.  
ALL OPERANDS OF THE INSERT/REPLACE SUBCOMMAND HAVE BEEN DELETED. SUBCOMMAND IGNORED.

IEN5000I nnnX ttt DELETED.  
ONCODE=9006. LABEL CONSTANT ttt HAS BEEN DELETED AND NOT REPLACED. 'ERROR' CONDITION RAISED.

IEN5001I nnnX 'CS' OPTION ARGUMENTS FOR ttt DIFFER AT TRANSLATE AND INTERPRET TIME.

'CHARSET' OPTION ARGUMENTS IN USE DIFFER FROM THOSE USED FOR TRANSLATION OF PROCEDURE ttt. THE SOURCE FOR THIS PROCEDURE IS IGNORED. EXECUTION CONTINUES AS IF THE 'NOSMAN' OPTION WAS SPECIFIED WHEN THIS PROCEDURE WAS TRANSLATED.

IEN5002I nnnX VALUE ccc RETURNED FROM ttt.

VALUE ccc HAS BEEN RETURNED FROM PROCEDURE ttt AS THE RESULT OF A PREVIOUS ERROR. EXECUTION CONTINUES.

IEN5003I nnnX RETURN FROM ttt AFTER ERROR.

RETURN IS MADE FROM PROCEDURE ttt AS THE RESULT OF A PREVIOUS ERROR. EXECUTION CONTINUES.

IEN5004I nnnX ddd NOT COMPLETELY INITIALIZED.

AS A RESULT OF A PREVIOUS ERROR, AGGREGATE ddd HAS NOT BEEN COMPLETELY INITIALIZED. EXECUTION CONTINUES WITH THE NEXT LEVEL-ONE STATIC ITEM TO BE INITIALIZED.

IEN5005I nnnX ddd UNINITIALIZED.

VARIABLE ddd HAS BEEN GIVEN THE UNINITIALIZED VALUE. EXECUTION CONTINUES WITH THE NEXT STATIC ITEM TO BE INITIALIZED.

IEN5006I nnnX ddd SET TO 1000 AS SIZE OF ddd.

ddd USED AS THE SIZE OF AREA ddd HAS BEEN GIVEN THE VALUE 1000 TO ALLOW ALLOCATION OF THE AREA TO CONTINUE.

IEN5007I nnnX ddd SET TO ONE AS LENGTH OF ddd.

ddd USED AS THE LENGTH OF STRING ddd HAS BEEN GIVEN THE VALUE ONE TO ALLOW ALLOCATION OF THE STRING TO CONTINUE.

IEN5008I nnnX ddd SET TO ONE AS 'POS' FOR ddd.

ddd USED AS 'POSITION' ATTRIBUTE OF ddd HAS BEEN GIVEN THE VALUE ONE TO PROVIDE A VALID REFERENCE FOR ADDRESSING. EXECUTION CONTINUES.

IEN5009I nnnX ddd SET TO ONE AS BOUND OF ddd.

ddd USED AS A BOUND FOR ARRAY ddd HAS BEEN GIVEN THE VALUE ONE TO ALLOW ALLOCATION OF THE ARRAY TO CONTINUE.

IEN5010I nnnX ddd ASSIGNED VALUE ccc.

UNINITIALIZED VARIABLE ddd HAS BEEN ASSIGNED VALUE

ccc. OPERATION WILL BE RETRIED.

- IEN5011I nnnX IN DIMENSION nnn OF ddd, UPPER BOUND SET TO nnn.  
IN DIMENSION nnn OF ARRAY ddd, THE UPPER BOUND HAS BEEN SET TO nnn, THE VALUE OF THE LOWER BOUND. EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.
- IEN5012I nnnX EXCESS ARGUMENTS IGNORED.  
THE EXCESS ARGUMENTS ARE IGNORED AND EXECUTION CONTINUES.
- IEN5013I nnnX RESTARTING AT nnn.  
EXECUTION IS RESTARTING AT STATEMENT NUMBER nnn FOLLOWING A PREVIOUS ERROR.
- IEN5014I nnnX SUBSCRIPT nnn FOR ddd SET TO NEAREST DIMENSION BOUND.  
SUBSCRIPT nnn FOR ARRAY ddd HAS BEEN SET TO THE UPPER OR LOWER BOUND OF THE DIMENSION, WHICHEVER IS NEARER TO THE VALUE SPECIFIED. EXECUTION CONTINUES.
- IEN5015I nnnX EXECUTION CONTINUES FROM INTERRUPT.  
AS THE 'SIZE' CONDITION IS DISABLED, EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.
- IEN5016I nnnX 'INITIAL' ATTRIBUTE IN STATEMENT nnn TERMINATED.  
AS A RESULT OF A PREVIOUS ERROR, EXECUTION OF 'INITIAL' ATTRIBUTE IN STATEMENT NUMBER nnn HAS BEEN TERMINATED. EXECUTION CONTINUES.
- IEN5017I nnnX ddd NOT INITIALIZED.  
VARIABLE ddd WAS DECLARED WITH THE 'INITIAL' ATTRIBUTE. THE ATTRIBUTE IS IGNORED FOR THE CURRENT ALLOCATION, BECAUSE EITHER THE TARGET BLOCK DOES NOT CONTAIN THE CURRENT BLOCK, OR THE GENERATION OF THE TARGET BLOCK THAT STATICALLY CONTAINS THE CURRENT BLOCK IS NOT ACTIVE IN THE CURRENT TASK. THE VARIABLE CAN BE INITIALIZED USING IMMEDIATE MODE STATEMENTS. EXECUTION CONTINUES.
- IEN5018I nnnX AMBIGUOUS LABEL VARIABLE BRANCH TO REPLACED OR ERASED STATEMENT RESOLVED TO ddd.  
THE LABEL VARIABLE IN A 'GOTO' STATEMENT HAS THE VALUE OF ONE OF THE LABELS THAT USED TO PREFIX A STATEMENT THAT HAS BEEN REPLACED OR ERASED. THE COMPILER IS UNABLE TO DETERMINE WHICH IS THE RELEVANT LABEL, BUT HAS TRANSFERRED CONTROL TO THE NEW LOCATION OF THE LABEL CONSTANT ddd.

IEN5019I nnnX INVALID LABEL VARIABLE BRANCH TO REPLACED OR ERASED STATEMENT.

ONCODE=9006. THE LABEL VARIABLE IN A 'GOTO' STATEMENT HAS THE VALUE OF AN ERASED LABEL THAT USED TO PREFIX A STATEMENT THAT HAS BEEN REPLACED OR ERASED. 'ERROR' CONDITION RAISED.

IEN5020I nnnX AMBIGUOUS LABEL VARIABLE BRANCH TO REPLACED OR ERASED STATEMENT RESOLVED TO FIRST VALID LABEL.

THE LABEL VARIABLE IN A 'GOTO' STATEMENT HAS THE VALUE OF ONE OF THE LABELS THAT USED TO PREFIX A STATEMENT THAT HAS BEEN REPLACED OR ERASED. THE COMPILER IS UNABLE TO DETERMINE WHICH IS THE RELEVANT LABEL, BUT HAS TRANSFERRED CONTROL TO THE NEW LOCATION OF THE FIRST SUBSCRIPTED LABEL THAT PREFIXED THE STATEMENT AND THAT HAS NOT BEEN ERASED.

IEN5021I nnnX STATEMENT nnn INVALID TARGET.

ONCODE=9006. STATEMENT NUMBER nnn IS THE TARGET OF A 'GOTO' STATEMENT BUT HAS BEEN ERASED, OR REPLACED BY A 'DECLARE' STATEMENT, OR REPLACED BY A STATEMENT IN AN INACTIVE BLOCK. 'ERROR' CONDITION RAISED.

IEN5022I nnnX STATEMENT FREQUENCY COUNTING TERMINATED.

THE LOGICAL UNIT THAT HAS JUST BEEN ATTACHED MAY AFFECT THE FLOW OF CONTROL OR THE STRUCTURE OF THE PROGRAM, SO STATEMENT FREQUENCY COUNTING HAS BEEN TERMINATED. THE VALUES ACCUMULATED SO FAR CAN BE PRINTED USING THE 'LISTCOUNT' SUBCOMMAND. THE COUNTS CAN BE RESET TO ZERO AND COUNTING RESTARTED BY MEANS OF THE 'COUNT' SUBCOMMAND.

IEN5023I nnnX ddd NOT AVAILABLE.

ONCODE=4004. REFERENCED VARIABLE ddd IS NOT AVAILABLE IN THIS GENERATION OF THIS BLOCK. 'ERROR' CONDITION RAISED.

IEN5024I TEXT BLOCK SIZE nnn FOR ttt EXCEEDS CURRENT BLOCK SIZE nnn.

THE TEXT BLOCK SIZE nnn PREVIOUSLY USED TO TRANSLATE PROCEDURE ttt EXCEEDS THE CURRENT BLOCK SIZE nnn FOR SYSUT1. SYSUT1 BLOCK SIZE DEFINES THE MAXIMUM TEXT BLOCK SIZE WHICH MAY BE INTERPRETED. THIS IS DETERMINED BY THE LARGER OF THE BLOCK SIZE SPECIFIED (OR DEFAULTED) ON THE SYSUT1 DD STATEMENT AND THE TEXT BLOCK SIZE OF THE FIRST PROCEDURE ENTERED, SUBJECT TO THE LIMIT OF THE DEVICE TRACK LENGTH. SPECIFY SYSUT1 BLOCK SIZE AND A COMPATIBLE DEVICE TYPE TO ENSURE THE LARGEST TEXT BLOCK WILL BE ACCOMMODATED. EXECUTION TERMINATED.

IEN5025I SORT NOT SUPPORTED.

ONCODE=9201. THE SORT FACILITIES ARE NOT SUPPORTED ON CMS. 'ERROR' CONDITION RAISED.

IEN5026I 'FETCH/RELEASE' NOT SUPPORTED.

ONCODE=9252. THE 'FETCH' OR 'RELEASE' FUNCTION IS NOT SUPPORTED ON CMS. 'ERROR' CONDITION RAISED.

IEN5027I nnnX 'STRINGSIZE' RAISED IN STREAM I/O.

ONCODE=150. 'STRINGSIZE' CONDITION RAISED WHEN ASSIGNING A DATA ITEM IN I/O STATEMENT. TRUNCATION TAKES PLACE ON THE RIGHT. EXECUTION CONTINUES FROM THE POINT OF INTERRUPT.

IEN5028I W USER RETURN CODE OUT OF RANGE. 'nnn' ASSUMED.

USER RETURN CODE IS NOT IN RANGE 0 through 999. 'nnn' ASSUMED FOR RETURN CODE.

Explanation: The return code set by PLIRETC or by an external call with OPTIONS (RETCODE) is not in the range 0 through 999. The nearest value is assumed.

IEN5029I nnnX 'OTHERWISE' MISSING FROM 'SELECT' GROUP.

ONCODE=3. IN 'SELECT' GROUP, NO 'WHEN' UNIT HAS BEEN SELECTED, AND NO 'OTHERWISE' UNIT IS PRESENT. 'ERROR' CONDITION RAISED.

Example:

```
A: PROC OPTIONS(MAIN);  
  DCL I;  
  I=1;  
  SELECT(I);  
  WHEN(0);  
  END;
```

Explanation: If the execution of a PL/I SELECT statement results in none of the corresponding WHEN units being selected, then it is an error if no OTHERWISE unit has been provided.

IEN5030I nnnX EXECUTION CONTINUES FROM INTERRUPT.

EXECUTION CONTINUES FROM THE POINT OF INTERRUPT FOLLOWING A PREVIOUS ERROR.

IEN5031I nnnX 'REUSE' OPTION SPECIFIED FOR FILE ccc FOR NON-REUSABLE DATA SET.

ONCODE=94. 'UNDEFINEDFILE' CONDITION RAISED. FOR FILE ccc, THE 'REUSE' OPTION HAS BEEN SPECIFIED IN THE 'ENVIRONMENT' ATTRIBUTE, BUT THE VSAM DATA SET ACCESSED WAS NOT DEFINED AS REUSABLE DURING ITS CREATION. 'ERROR' CONDITION RAISED.

Explanation: The ENVIRONMENT option REUSE can only be

used with VSAM data sets that have been defined as reusable during their creation by Access Method Services.

IEN5032I nnnX ALTERNATE INDEX PATH EMPTY FOR FILE ccc.

ONCODE=95. 'UNDEFINEDFILE' CONDITION RAISED. FOR FILE ccc, THE ASSOCIATED VSAM DATA SET HAS AN ALTERNATE INDEX PATH WHICH CANNOT BE OPENED SINCE IT IS EMPTY. 'ERROR' CONDITION RAISED.

Explanation: An alternate index path can become empty if all of its associated pointers are deleted. Such a path cannot be opened.

IEN5033I nnnX ATTEMPT TO POSITION FILE ccc AT LAST RECORD FAILED.

ONCODE=92. 'UNDEFINEDFILE' CONDITION RAISED. FILE ccc HAS BEEN DECLARED WITH THE 'BKWD' OPTION IN THE 'ENVIRONMENT' ATTRIBUTE BUT CANNOT BE OPENED TO ACCESS A VSAM DATA SET, BECAUSE AN ATTEMPT TO POSITION TO THE LAST RECORD HAS FAILED WITH A TRANSMISSION ERROR. 'ERROR' CONDITION RAISED.

Explanation: If a file declared with the ENVIRONMENT option BKWD is used to access a VSAM data set, it will be positioned at the last record in the data set when it is opened. This positioning has failed because of a transmission error.

IEN5034I nnnX ERROR IN INDEX UPGRADE FOR FILE ccc.

ONCODE=1030. AN ERROR HAS OCCURRED BECAUSE A CHANGE TO A VSAM BASE DATA SET, ACCESSED BY FILE ccc, CANNOT BE REFLECTED IN ONE OF THE ALTERNATE INDEXES IN THE DATA SET'S INDEX UPGRADE SET. 'ERROR' CONDITION RAISED.

Explanation: An update of a VSAM base data set that has an alternate index can cause errors in index upgrade. For example, the addition of a record to the base data set could cause duplicate keys in either an alternate index defined as unique, or in the prime index.

IEN5035I nnnX MAXIMUM NUMBER OF ALTERNATE INDEX POINTERS EXCEEDED FOR FILE ccc.

ONCODE=1030. AN ERROR HAS OCCURRED BECAUSE A CHANGE TO A VSAM BASE DATA SET, ACCESSED BY FILE ccc, WOULD RESULT IN AN ALTERNATE INDEX CONTAINING TOO MANY POINTERS FOR A GIVEN KEY. 'ERROR' CONDITION RAISED.

Explanation: An update of a VSAM base data set which has an alternate index, has caused the maximum number of pointers for a given key in the alternate index to be exceeded.

IEN5036I nnnX INVALID ALTERNATE INDEX POINTER FOR FILE ccc.

ONCODE=1030. A VSAM BASE DATA SET, ACCESSED BY FILE

IEN5059I nnnX 'TOTAL' OPTION INVALID FOR FILE ccc.  
ONCODE=88. 'UNDEFINEDFILE' CONDITION RAISED. THE  
'TOTAL' OPTION IS INVALID FOR 'OMR' OR ASSOCIATED FILE  
ccc. 'ERROR' CONDITION RAISED.

IEN5060I nnnX CONFLICTING 'MODE' AND 'FUNC' FOR FILE ccc.  
ONCODE=88. 'UNDEFINEDFILE' CONDITION RAISED. THERE IS  
CONFLICT BETWEEN THE 'MODE' AND 'FUNC' DCB  
SUBPARAMETERS FOR FILE ccc. 'ERROR' CONDITION RAISED.  
Explanation: For possible conflicts, refer to the  
programmer's guide for this compiler.

IEN5061I nnnX AN ENVIRONMENT OPTION FOR FILE ccc CONFLICTS WITH DATA  
SET VALUE.  
ONCODE=91. 'UNDEFINEDFILE' CONDITION RAISED. THE  
'KEYLOC', 'KEYLENGTH', OR 'RECSIZE' OPTIONS IN THE  
'ENVIRONMENT' ATTRIBUTE FOR FILE ccc CONFLICT WITH THE  
VALUES SPECIFIED FOR THE DATA SET. 'ERROR' CONDITION  
RAISED.  
Explanation: For VSAM data sets, the values of KEYLOC,  
KEYLENGTH, and RECSIZE are specified when the data set  
is defined. If values are specified in any file  
declarations, they must match the defined values.

IEN5062I nnnX EITHER 'NCP' OR 'STRNO' VALUE EXCEEDS ONE FOR FILE ccc.  
ONCODE=91. 'UNDEFINEDFILE' CONDITION RAISED. FOR THE  
FILE ccc, A VALUE EXCEEDING ONE HAS BEEN SPECIFIED  
EITHER FOR THE 'NCP' OPTION IN THE 'ENVIRONMENT'  
ATTRIBUTE, OR FOR THE 'STRNO' OPTION IN THE 'AMP'  
PARAMETER IN THE 'DD' STATEMENT. 'ERROR' CONDITION  
RAISED.  
Explanation: For VSAM files, only one outstanding  
operation is permitted; that is, an operation with the  
EVENT option must be waited for before another  
operation is started.

IEN5063I nnnX 'TOTAL' OPTION SPECIFIED FOR FILE ccc.  
ONCODE=91. 'UNDEFINEDFILE' CONDITION RAISED. THE  
SPECIFICATION OF THE 'TOTAL' OPTION IN THE  
'ENVIRONMENT' ATTRIBUTE FOR FILE ccc MAY CAUSE THE  
OPTIMIZING COMPILER TO GENERATE IN-LINE CODE FOR I/O  
STATEMENTS FOR 'CONSECUTIVE' FILES. IF THE DATA SET TO  
BE ACCESSED IS A VSAM ESDS, THIS CODE IS INVALID.  
'ERROR' CONDITION RAISED.

IEN5064I nnnX PASSWORD INVALID OR NOT SPECIFIED FOR FILE ccc.  
ONCODE=89. 'UNDEFINEDFILE' CONDITION RAISED. THE VSAM  
DATA SET IS DEFINED WITH A PASSWORD BUT CANNOT BE  
ACCESSED BECAUSE THE 'PASSWORD' OPTION IN THE  
'ENVIRONMENT' ATTRIBUTE FOR FILE ccc IS INVALID OR HAS  
NOT BEEN SPECIFIED. 'ERROR' CONDITION RAISED.  
Explanation: For VSAM data sets defined with a  
password, ENV(PASSWORD) must be specified. If this

password is invalid or is not specified, the system operator is allowed a number of attempts to specify the correct password (the number of retries is specified when the data set is defined). If these attempts fail, the UNDEFINEDFILE condition is raised.

IEN5065I nnnX NO VSAM CATALOG ENTRY FOR FILE ccc.

ONCODE=92. 'UNDEFINEDFILE' CONDITION RAISED. THERE IS NO ENTRY FOR FILE ccc IN THE VSAM CATALOG. 'ERROR' CONDITION RAISED.

Explanation: Before using a VSAM data set, a catalog

ccc, HAS AN ALTERNATE INDEX WHICH CONTAINS AN INVALID POINTER. 'ERROR' CONDITION RAISED.

Explanation: A pointer in an alternate index of a VSAM data set may be invalid as a result of incorrect use of the alternate index as a VSAM KSDS.

IEN5037I nnnX INVALID SEQUENTIAL 'WRITE' OR 'LOCATE' FOR FILE ccc.

ONCODE=1031. A 'WRITE' OR 'LOCATE' STATEMENT WITHOUT THE 'KEYFROM' OPTION ON A VSAM RRDS, ACCESSED BY FILE ccc, HAS FAILED BECAUSE THE DATA SET ALREADY CONTAINS A RECORD AT THE CURRENT POSITION. 'ERROR' CONDITION RAISED.

Explanation: When using a VSAM RRDS (Relative Record Data Set) with a SEQUENTIAL OUTPUT or UPDATE file, a WRITE or LOCATE statement without the KEYFROM option, would, in terms of the current positioning of the data set, normally cause a record to be placed in the next slot. However, an error has occurred since the next slot already contains a record.

IEN5038I nnnX ERROR IN INDEX UPGRADE FOR FILE ccc AT STATEMENT nnn.

ONCODE=1030. AN ERROR HAS OCCURRED BECAUSE A CHANGE TO A VSAM BASE DATA SET, ACCESSED BY FILE ccc AT STATEMENT nnn, CANNOT BE REFLECTED IN ONE OF THE ALTERNATE INDEXES IN THE DATA SET'S INDEX UPGRADE SET. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: An update of a VSAM base data set that has an alternate index can cause errors in index upgrade. For example, the addition of a record to the base data set could cause duplicate keys in either an alternate index defined as unique, or in the prime index.

The specified I/O statement has the EVENT option. Therefore any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5039I nnnX MAXIMUM NUMBER OF ALTERNATE INDEX POINTERS EXCEEDED FOR FILE ccc AT STATEMENT nnn.

ONCODE=1030. AN ERROR HAS OCCURRED BECAUSE A CHANGE TO A VSAM DATA SET, ACCESSED BY FILE ccc AT STATEMENT nnn, WOULD RESULT IN AN ALTERNATE INDEX CONTAINING TOO MANY POINTERS FOR A GIVEN KEY. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: An update of a VSAM base data set which has an alternate index, has caused the maximum number of pointers for a given key in the alternate index to be exceeded.

The specified I/O statement has the EVENT option. Therefore any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5040I nnnX INVALID ALTERNATE INDEX POINTER FOR FILE ccc AT STATEMENT nnn.

ONCODE=1030. A VSAM BASE DATA SET, ACCESSED BY FILE ccc AT STATEMENT nnn, HAS AN ALTERNATE INDEX WHICH CONTAINS AN INVALID POINTER. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: A pointer in an alternate index of a VSAM data set may be invalid as a result of incorrect use of the alternate index as a VSAM KSDS.

The specified I/O statement has the EVENT option. Therefore any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5041I nnnX INVALID SEQUENTIAL 'WRITE' OR 'LOCATE' FOR FILE ccc AT STATEMENT nnn.

ONCODE=1031. A 'WRITE' OR 'LOCATE' STATEMENT WITHOUT THE 'KEYFROM' OPTION ON A VSAM RRDS, ACCESSED BY FILE ccc AT STATEMENT nnn, HAS FAILED BECAUSE THE DATA SET ALREADY CONTAINS A RECORD AT THE CURRENT POSITION. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: When using a VSAM RRDS (Relative Record Data Set) with a SEQUENTIAL OUTPUT or UPDATE file, a WRITE or LOCATE statement without the KEYFROM option, would, in terms of the current positioning of the data set, normally cause a record to be placed in the next slot. However, an error has occurred since the next slot already contains a record.

The specified I/O statement has the EVENT option. Therefore any error detected during its execution is not known to the PL/I program until the corresponding WAIT statement is executed.

IEN5050I nnnX RECORD VARIABLE ddd TOO SHORT IN ttt FOR FILE ccc.

ONCODE=23. 'RECORD' CONDITION HAS BEEN RAISED. THE RECORD VARIABLE ddd USED IN A ttt STATEMENT IS TOO SHORT TO CONTAIN THE EMBEDDED KEY FOR FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: A WRITE or REWRITE statement has attempted to transmit, or a LOCATE statement has attempted to allocate buffer space for, a record variable too short to contain the data set embedded key. For a WRITE or REWRITE statement, no transmission takes place; for a LOCATE statement, a buffer is not allocated.

IEN5051I nnnX OUTPUT TRANSMISSION ERROR FOR INDEX SET OF FILE ccc.

ONCODE=43. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE OF A PERMANENT OUTPUT ERROR ON THE INDEX SET OF THE VSAM KSDS ACCESSED BY FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: Data Management has detected a physical error while attempting to write on the index set of a VSAM KSDS. The condition is raised on the completion of a WRITE, REWRITE, LOCATE, or DELETE statement. No further processing of an OUTPUT file can occur. Processing of an UPDATE file may continue.

IEN5052I nnnX INPUT TRANSMISSION ERROR FOR INDEX SET OF FILE ccc.

ONCODE=44. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE OF A PERMANENT INPUT ERROR ON THE INDEX SET OF THE VSAM KSDS ACCESSED BY FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: Data Management has detected a physical error while attempting to read from the index set of a VSAM KSDS. The condition is raised on the completion of a READ, WRITE, REWRITE, LOCATE, or DELETE statement. No further processing of an OUTPUT file can occur. Processing of an UPDATE file may continue. If the error occurs on a READ statement, no data is transferred to the record variable. For sequential access, data set positioning may be lost, causing a subsequent READ without KEY to raise ERROR condition. (See message number IEN5073I).

IEN5053I nnnX OUTPUT TRANSMISSION ERROR FOR SEQUENCE SET OF FILE ccc.

ONCODE=45. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE OF A PERMANENT OUTPUT ERROR ON THE SEQUENCE SET OF THE VSAM KSDS ACCESSED BY FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: Data Management has detected a physical error while attempting to write on the sequence set of a VSAM KSDS. The condition is raised on the completion of a WRITE, REWRITE, LOCATE, or DELETE statement. No further processing of an OUTPUT file can occur. Processing of an UPDATE file may continue.

IEN5054I nnnX INPUT TRANSMISSION ERROR FOR SEQUENCE SET OF FILE ccc.

ONCODE=46. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE OF A PERMANENT INPUT ERROR ON THE SEQUENCE SET OF THE VSAM KSDS ACCESSED BY FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: Data Management has detected a physical error while attempting to read from the sequence set of a VSAM KSDS. The condition is raised on the completion of a READ, WRITE, REWRITE, LOCATE, or DELETE statement. No further processing of an OUTPUT file can occur. Processing of an UPDATE file may continue. If the error occurs on a READ statement, no data is transferred to the record variable. For sequential access, data set positioning may be lost, causing a subsequent READ without KEY to raise ERROR condition. (See message number IEN5073I).

IEN5055I nnnX ONKEY=ttt. KEY OUTSIDE RANGE(S) FOR FILE ddd.

ONCODE=58. ONKEY=ttt. 'KEY' CONDITION HAS BEEN

RAISED. VALUE OF KEY IS OUTSIDE THE KEY RANGE(S)  
DEFINED FOR THE VSAM KSDS ACCESSED BY FILE ddd.  
'ERROR' CONDITION RAISED.

Explanation: A WRITE or LOCATE statement specified a  
key with a value outside the key range(s) specified for  
the VSAM KSDS when it was defined.

IEN5056I nnnX 'MODE' OR 'FUNC' CONFLICTS WITH ATTRIBUTE FOR FILE ccc.

ONCODE=82. 'UNDEFINEDFILE' CONDITION RAISED. THE  
'MODE' OR 'FUNC' DCB SUBPARAMETER CONFLICTS WITH AN  
ATTRIBUTE FOR FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: The MODE or FUNC DCB subparameter  
conflicts with a file attribute. For possible  
conflicts, refer to the programmer's guide for this  
compiler.

IEN5057I nnnX 'MODE' OR 'FUNC' CONFLICTS WITH RECORD FORMAT FOR FILE  
ccc.

ONCODE=88. 'UNDEFINEDFILE' CONDITION RAISED. THE  
'MODE' OR 'FUNC' DCB SUBPARAMETER CONFLICTS WITH THE  
RECORD FORMAT FOR FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: OMR files, RCE files, and print and  
associated files used with the IBM 3525 Card Reader-  
punch-printer may only be F-format.

IEN5058I nnnX DEVICE TYPE CONFLICTS WITH 'MODE' FOR FILE ccc.

ONCODE=88. 'UNDEFINEDFILE' CONDITION RAISED. THE  
DEVICE TYPE CONFLICTS WITH THE 'MODE' DCB SUBPARAMETER  
FOR FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: OMR and RCE files can only be used with  
the IBM 3505 Card Reader, and with the IBM 3525 Card  
Reader-punch-printer.

IEN5059I nnnX 'TOTAL' OPTION INVALID FOR FILE ccc.

ONCODE=88. 'UNDEFINEDFILE' CONDITION RAISED. THE  
'TOTAL' OPTION IS INVALID FOR 'OMR' OR ASSOCIATED FILE  
ccc. 'ERROR' CONDITION RAISED.

IEN5060I nnnX CONFLICTING 'MODE' AND 'FUNC' FOR FILE ccc.

ONCODE=88. 'UNDEFINEDFILE' CONDITION RAISED. THERE IS  
CONFLICT BETWEEN THE 'MODE' AND 'FUNC' DCB  
SUBPARAMETERS FOR FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: For possible conflicts, refer to the  
programmer's guide for this compiler.

IEN5061I nnnX AN ENVIRONMENT OPTION FOR FILE ccc CONFLICTS WITH DATA  
SET VALUE.

ONCODE=91. 'UNDEFINEDFILE' CONDITION RAISED. THE

'KEYLOC', 'KEYLENGTH', OR 'RECSIZE' OPTIONS IN THE 'ENVIRONMENT' ATTRIBUTE FOR FILE ccc CONFLICT WITH THE VALUES SPECIFIED FOR THE DATA SET. 'ERROR' CONDITION RAISED.

Explanation: For VSAM data sets, the values of KEYLOC, KEYLENGTH, and RECSIZE are specified when the data set is defined. If values are specified in any file declarations, they must match the defined values.

IEN5062I nnnX EITHER 'NCP' OR 'STRNO' VALUE EXCEEDS ONE FOR FILE ccc.

ONCODE=91. 'UNDEFINEDFILE' CONDITION RAISED. FOR THE FILE ccc, A VALUE EXCEEDING ONE HAS BEEN SPECIFIED EITHER FOR THE 'NCP' OPTION IN THE 'ENVIRONMENT' ATTRIBUTE, OR FOR THE 'STRNO' OPTION IN THE 'AMP' PARAMETER IN THE 'DD' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: For VSAM files, only one outstanding operation is permitted; that is, an operation with the EVENT option must be waited for before another operation is started.

IEN5063I nnnX 'TOTAL' OPTION SPECIFIED FOR FILE ccc.

ONCODE=91. 'UNDEFINEDFILE' CONDITION RAISED. THE SPECIFICATION OF THE 'TOTAL' OPTION IN THE 'ENVIRONMENT' ATTRIBUTE FOR FILE ccc MAY CAUSE THE OPTIMIZING COMPILER TO GENERATE IN-LINE CODE FOR I/O STATEMENTS FOR 'CONSECUTIVE' FILES. IF THE DATA SET TO BE ACCESSED IS A VSAM ESDS, THIS CODE IS INVALID. 'ERROR' CONDITION RAISED.

IEN5064I nnnX PASSWORD INVALID OR NOT SPECIFIED FOR FILE ccc.

ONCODE=89. 'UNDEFINEDFILE' CONDITION RAISED. THE VSAM DATA SET IS DEFINED WITH A PASSWORD BUT CANNOT BE ACCESSED BECAUSE THE 'PASSWORD' OPTION IN THE 'ENVIRONMENT' ATTRIBUTE FOR FILE ccc IS INVALID OR HAS NOT BEEN SPECIFIED. 'ERROR' CONDITION RAISED.

Explanation: For VSAM data sets defined with a password, ENV(PASSWORD) must be specified. If this password is invalid or is not specified, the system operator is allowed a number of attempts to specify the correct password (the number of retries is specified when the data set is defined). If these attempts fail, the UNDEFINEDFILE condition is raised.

IEN5065I nnnX NO VSAM CATALOG ENTRY FOR FILE ccc.

ONCODE=92. 'UNDEFINEDFILE' CONDITION RAISED. THERE IS NO ENTRY FOR FILE ccc IN THE VSAM CATALOG. 'ERROR' CONDITION RAISED.

Explanation: Before using a VSAM data set, a catalog entry must be made, and space allocated for the data set, using the AMS DEFINE utility. The catalog containing the data set must be specified in a JOBCAT or STEPCAT DD statement (unless it is the master

catalog). This message may mean that ENV(VSAM) has been specified for a file, but that the data set has not been converted from ISAM to VSAM.

IEN5066I nnnX I/O ERROR READING CATALOG OR VOLUME LABEL FOR FILE ccc.  
ONCODE=92. 'UNDEFINEDFILE' CONDITION RAISED. AN I/O ERROR HAS PREVENTED A VSAM CATALOG OR VOLUME LABEL BEING READ FOR FILE ccc. 'ERROR' CONDITION RAISED.

IEN5067I nnnX TIMESTAMP MISMATCH FOR FILE ccc.  
ONCODE=92. 'UNDEFINEDFILE' CONDITION RAISED. TIMESTAMP MISMATCH FOR THE VSAM DATA SET ACCESSED BY FILE ccc. EITHER THE INDEX AND DATA TIMESTAMPS, OR THE CATALOG AND VOLUME TIMESTAMPS, DO NOT MATCH. 'ERROR' CONDITION RAISED.

Explanation: For VSAM data sets, the index and data can be updated separately, and the time of the latest update of each is recorded. If these times do not match, the integrity of the data is uncertain. Similarly, the timestamp in the data set catalog record may not match the timestamp on the volume containing the data set; this indicates that the extent information in the catalog record may not agree with the extents indicated in the volume's VTOC.

IEN5068I nnnX DATA SET NOT AVAILABLE FOR FILE ccc.  
ONCODE=92. 'UNDEFINEDFILE' CONDITION RAISED. THE DATA SET TO BE ACCESSED BY FILE ccc IS ALREADY BEING USED BY ANOTHER PROGRAM AND CANNOT BE SHARED. 'ERROR' CONDITION RAISED.

IEN5069I nnnX DATA SET FOR FILE ccc NOT PROPERLY CLOSED.  
ONCODE=92. 'UNDEFINEDFILE' CONDITION RAISED. BECAUSE OF FAILURE OF THE LAST 'CLOSE' OPERATION ON THE VSAM DATA SET ACCESSED BY FILE ccc, THE DATA SET IS UNUSABLE. 'ERROR' CONDITION RAISED.  
Explanation: The last time the data set was opened, the CLOSE operation failed, leaving the data set in an unusable state. The AMS VERIFY utility may restore the data set to a usable state.

IEN5070I nnnX DATA SET NEVER LOADED FOR FILE ccc.  
ONCODE=82. 'UNDEFINEDFILE' CONDITION RAISED. FILE ccc CANNOT BE OPENED TO ACCESS A VSAM DATA SET BECAUSE NO RECORDS HAVE BEEN LOADED INTO THE DATA SET. 'ERROR' CONDITION RAISED.

Explanation: A file cannot be opened to access a VSAM data set until one or more records have been loaded into the data set using a SEQUENTIAL OUTPUT file (for a KSDS or ESDS), or a DIRECT or SEQUENTIAL OUTPUT file (for an RRDS). Having once loaded records into the data set, records can be added using a DIRECT UPDATE

file, even after all records have been deleted from the data set.

IEN5071I nnnX INSUFFICIENT VIRTUAL STORAGE AVAILABLE TO VSAM FOR FILE ccc.

ONCODE=1025. INSUFFICIENT SPACE WAS AVAILABLE FOR WORKSPACE AND CONTROL BLOCKS TO ALLOW AN 'OPEN', 'CLOSE', OR OTHER OPERATION ON A VSAM DATA SET ACCESSED BY FILE ccc. 'ERROR' CONDITION RAISED.

IEN5072I nnnX I/O ERROR DURING 'CLOSE' FOR FILE ccc.

ONCODE=1011. AN I/O ERROR OCCURRED WHEN A VSAM 'CLOSE' ROUTINE FOR FILE ccc WAS EITHER READING OR WRITING A CATALOG RECORD, OR COMPLETING AN OUSTANDING I/O REQUEST. 'ERROR' CONDITION RAISED.

IEN5073I nnnX NO POSITIONING FOR SEQUENTIAL 'READ' ON FILE ccc.

ONCODE=1026. AS THE RESULT OF A PREVIOUS ERROR, SEQUENTIAL POSITIONING HAS BEEN LOST, AND A 'READ' STATEMENT WITHOUT THE 'KEY' OPTION ON FILE ccc HAS FAILED. 'ERROR' CONDITION RAISED.

Explanation: A READ statement without the KEY option has been attempted on a VSAM data set, sequential positioning having been lost as the result of a previous error during sequential processing. For example, an error on the index set, or a failure to position to the next highest key after a 'key not found' condition.

IEN5074I nnnX INSUFFICIENT SPACE FOR VSAM DATA SET FOR FILE ccc.

ONCODE=1022. NO ADDITIONAL DASD SPACE CAN BE ALLOCATED FOR THE VSAM DATA SET ACCESSED BY FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: VSAM has been unable to allocate additional DASD space for the data set (ESDS or KSDS). The condition is raised when attempting to write or locate a record during the sequential creation or extension of such a data set, when the space allocated to the data set is full. For a KSDS, the condition may also occur when the associated PL/I file is opened for update and attempts are made to write new records or to increase the size of existing records using the WRITE and REWRITE statements respectively.

IEN5075I nnnX RECORD FOR FILE ccc ALREADY HELD IN EXCLUSIVE CONTROL.

ONCODE=1027. IN THE VSAM DATA SET ACCESSED BY FILE ccc, THE CONTROL INTERVAL CONTAINING THE REQUESTED RECORD IS BEING UPDATED BY ANOTHER FILE THAT USED THE SAME 'DD' STATEMENT. 'ERROR' CONDITION RAISED.

IEN5076I nnnX RECORD ON NON-MOUNTED VOLUME FOR FILE ccc.

ONCODE=1028. A VSAM DATA SET ACCESSED BY FILE ccc RESIDES ON MORE THAN ONE VOLUME, AND THE REQUESTED RECORD IS ON A VOLUME THAT HAS NOT BEEN MOUNTED. 'ERROR' CONDITION RAISED.

IEN5077I nnnX REPOSITIONING FAILED FOR SEQUENTIAL 'READ' ON FILE ccc.

ONCODE=1029. REPOSITIONING TO THE NEXT HIGHEST KEY FOR SUBSEQUENT SEQUENTIAL RETRIEVAL ON A VSAM DATA SET ACCESSED BY FILE ccc HAS FAILED AFTER A 'KEY NOT FOUND' CONDITION. 'ERROR' CONDITION RAISED.

Explanation: The attempt to reposition to the next highest key for subsequent sequential retrieval on a VSAM data set, after 'key not found' condition, has failed. If processing of the file is continued, the next I/O statement should have a positioning KEY option (see message number IEN5073I).

IEN5078I nnnX 'PLIRETC' VALUE EXCEEDS 999.

THE VALUE PASSED TO THE 'PLIRETC' BUILT-IN PROCEDURE EXCEEDS THE LIMIT OF 999. VALUE 999 ASSUMED.

IEN5079I nnnX UNREADABLE 'OMR' DATA ON FILE ccc.

ONCODE=42. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE ONE OR MORE COLUMNS CONTAIN UNREADABLE 'OMR' DATA ON THE FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: One or more OMR columns contain a marginal mark, weak mark, or poor erasure which cannot be read. The condition is raised on completion of the READ operation for the card. A X'3F' character is substituted for unreadable characters, and also put in the last byte of the record. The card is stacker selected to the alternate stacker.

IEN5080I nnnX INCORRECT SEQUENCE OF I/O OPERATIONS ON FILE ccc.

ONCODE=1024. THE I/O OPERATIONS ON ASSOCIATED FILE ccc EITHER WERE NOT EXECUTED IN THE CORRECT ORDER OR WERE THE RESULT OF AN ATTEMPT TO PRINT MORE THAN THE MAXIMUM NUMBER OF LINES ON A CARD, 'ERROR' CONDITION RAISED.

Explanation: Operations on a set of associated files were not carried out in the correct sequence.

Either: 1. Appropriate I/O operations were not carried out in the order Read-Punch-Print, where only the Print operation may be omitted.

or: 2. An attempt was made to print more than the maximum number of lines on a card, using a print file which was associated with a read or punch file.

IEN5081I 'STRNO' EXCEEDED BY OPERATION ON FILE ccc.

ONCODE=1014. A VSAM DATA SET IS BEING ACCESSED BY SEVERAL FILES AND THE CURRENT OPERATION ON FILE ccc WOULD CAUSE THE VALUE OF 'STRNO' FOR THE DATA SET TO BE EXCEEDED. 'ERROR' CONDITION RAISED.

Explanation: When several files are accessing a VSAM data set through the same DD statement (that is, the same title), the STRNO subparameter on the DD statement specifies the total number of operations on all files that can be active at the same time. Note that a READ-REWRITE pair on a SEQUENTIAL file counts as one operation. For example, if three sequential files are likely to update a data set at the same time, STRNO=3 should be specified in the DD statement.

IEN5082I

UNIDENTIFIED ERROR DURING 'OPEN' FOR FILE ccc.

ONCODE=93. 'UNDEFINEDFILE' CONDITION RAISED. FILE ccc CANNOT BE OPENED TO ACCESS A VSAM DATA SET BECAUSE OF AN ERROR, THE CAUSE OF WHICH CANNOT BE DETERMINED EXPLICITLY. 'ERROR' CONDITION RAISED.

Explanation: The VSAM routines have detected an error during the open process, the cause of which cannot be determined explicitly. Message IEC250 on the console listing will give more detail.

IEN5083I

OPERATING SYSTEM UNABLE TO OPEN FILE ccc.

ONCODE=93. 'UNDEFINEDFILE' CONDITION RAISED. OPERATING SYSTEM UNABLE TO OPEN FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: Possible explanations are:

1. TRANSIENT files and INDEXED data sets are not supported in a CMS environment.
2. When a VSAM data set is opened through the ISAM compatibility interface, this condition will occur if VSAM detects errors during the open process. Message IEC250 on the console listing will give more detail.

IEN5085I

RECORD VARIABLE USED FOR FILE ccc IN STATEMENT nnn IS TOO SHORT.

ONCODE=23. 'RECORD' CONDITION HAS BEEN RAISED. RECORD VARIABLE IS TOO SHORT TO CONTAIN THE EMBEDDED KEY FOR FILE ccc AT STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: A WRITE or REWRITE statement has attempted to transmit, or a LOCATE statement has attempted to allocate buffer space for, a record variable too short to contain the data set embedded key. For a WRITE or REWRITE statement, no transmission takes place; for a LOCATE statement, a buffer is not allocated.

IEN5081I

'STRNO' EXCEEDED BY OPERATION ON FILE ccc.

ONCODE=1014. A VSAM DATA SET IS BEING ACCESSED BY SEVERAL FILES AND THE CURRENT OPERATION ON FILE ccc WOULD CAUSE THE VALUE OF 'STRNO' FOR THE DATA SET TO BE EXCEEDED. 'ERROR' CONDITION RAISED.

Explanation: When several files are accessing a VSAM data set through the same DD statement (that is, the same title), the STRNO subparameter on the DD statement specifies the total number of operations on all files that can be active at the same time. Note that a READ-REWRITE pair on a SEQUENTIAL file counts as one operation. For example, if three sequential files are likely to update a data set at the same time, STRNO=3 should be specified in the DD statement.

IEN5082I

UNIDENTIFIED ERROR DURING 'OPEN' FOR FILE ccc.

ONCODE=93. 'UNDEFINEDFILE' CONDITION RAISED. FILE ccc CANNOT BE OPENED TO ACCESS A VSAM DATA SET BECAUSE OF AN ERROR, THE CAUSE OF WHICH CANNOT BE DETERMINED EXPLICITLY. 'ERROR' CONDITION RAISED.

Explanation: The VSAM routines have detected an error during the open process, the cause of which cannot be determined explicitly. Message IEC250 on the console listing will give more detail.

IEN5083I

OPERATING SYSTEM UNABLE TO OPEN FILE ccc.

ONCODE=93. 'UNDEFINEDFILE' CONDITION RAISED. OPERATING SYSTEM UNABLE TO OPEN FILE ccc. 'ERROR' CONDITION RAISED.

Explanation: Possible explanations are:

1. TRANSIENT files and INDEXED data sets are not supported in a CMS environment.
2. When a VSAM data set is opened through the ISAM compatibility interface, this condition will occur if VSAM detects errors during the open process. Message IEC250 on the console listing will give more detail.

IEN5085I

RECORD VARIABLE USED FOR FILE ccc IN STATEMENT nnn IS TOO SHORT.

ONCODE=23. 'RECORD' CONDITION HAS BEEN RAISED. RECORD VARIABLE IS TOO SHORT TO CONTAIN THE EMBEDDED KEY FOR FILE ccc AT STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: A WRITE or REWRITE statement has attempted to transmit, or a LOCATE statement has attempted to allocate buffer space for, a record variable too short to contain the data set embedded key. For a WRITE or REWRITE statement, no transmission takes place; for a LOCATE statement, a buffer is not allocated.

The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5086I

OUTPUT TRANSMISSION ERROR FOR INDEX SET OF FILE ccc AT STATEMENT nnn.

ONCODE=43. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE OF A PERMANENT OUTPUT ERROR ON THE INDEX SET OF THE VSAM KSDS ACCESSED BY FILE ccc AT STATEMENT nnn. ERROR DETECTED IN A 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: Data management has detected a physical error whilst attempting to write on the index set of a VSAM KSDS. No further processing of an OUTPUT file can occur. Processing of an update file may continue.

The specified I/O statement has the EVENT option, therefore, any error detected during the execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5087I

INPUT TRANSMISSION ERROR FOR INDEX SET OF FILE ccc AT STATEMENT nnn.

ONCODE=44. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE OF A PERMANENT INPUT ERROR ON THE INDEX SET OF THE VSAM KSDS ACCESSED BY FILE ccc AT STATEMENT nnn. ERROR DETECTED IN A 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: Data management has detected a physical error while attempting to read from the index set of a VSAM KSDS. No further processing of an OUTPUT file can occur. Processing of an UPDATE file may continue. If the error occurs on a READ statement, no data is transferred to the record variable. For sequential access, data set positioning may be lost causing subsequent READ without KEY to raise the ERROR condition.

The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5088I

OUTPUT TRANSMISSION ERROR FOR SEQUENCE SET OF FILE ccc AT STATEMENT nnn.

ONCODE=45. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE OF A PERMANENT OUTPUT ERROR ON THE SEQUENCE SET OF THE VSAM KSDS ACCESSED BY FILE ccc AT STATEMENT nnn. ERROR DETECTED IN A 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: Data management has detected a physical error while attempting to write on the sequence set of a VSAM KSDS. No further processing of an OUTPUT file can occur. Processing of an UPDATE file may continue.

The specified I/O statement has the EVENT option therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5089I

INPUT TRANSMISSION ERROR FOR SEQUENCE SET OF FILE ccc AT STATEMENT nnn.

ONCODE=46. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE OF A PERMANENT INPUT ERROR ON THE SEQUENCE SET OF A VSAM KSDS ACCESSED BY FILE ccc AT STATEMENT nnn. ERROR DETECTED IN A 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: Data management has detected a physical error while attempting to read from the sequence set of a VSAM KSDS. No further processing of an OUTPUT file can occur. Processing of an UPDATE file may continue. If the error occurs on a READ statement no data is transferred to the record variable. For sequential access data set positioning may be lost, causing subsequent READ without KEY to raise the ERROR condition.

The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5090I

KEY OUTSIDE RANGE(S) FOR FILE ccc IN STATEMENT nnn.

ONCODE=58. 'KEY' CONDITION HAS BEEN RAISED. VALUE OF KEY USED TO ACCESS FILE ccc IN STATEMENT nnn IS OUTSIDE THE KEY RANGE(S) DEFINED FOR THE VSAM KSDS. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: A WRITE or LOCATE statement specified a key with a value outside the key range(s) specified for the VSAM KSDS when it was defined. The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5091I

INSUFFICIENT VIRTUAL STORAGE AVAILABLE TO VSAM FOR FILE ccc AT STATEMENT nnn.

ONCODE=1025. INSUFFICIENT SPACE WAS AVAILABLE FOR WORKSPACE AND CONTROL BLOCKS TO ALLOW AN OPERATION ON A VSAM DATA SET ACCESSED BY FILE ccc AT STATEMENT nnn. ERROR DETECTED IN A 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding 'WAIT' statement is executed.

IEN5092I

NO POSITIONING FOR SEQUENTIAL 'READ' ON FILE ccc AT STATEMENT nnn.

ONCODE=1026. AS THE RESULT OF A PREVIOUS ERROR, SEQUENTIAL POSITIONING HAS BEEN LOST, AND 'READ' STATEMENT WITHOUT THE 'KEY' OPTION ON FILE ccc AT STATEMENT nnn HAS FAILED. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: A READ statement without the KEY option has been attempted on a VSAM data set, sequential positioning having been lost as the result of a previous error during sequential processing. For example, an error on the index set or a failure to position to the next highest key after a 'key not found' condition.

The READ statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5093I

INSUFFICIENT SPACE FOR VSAM DATA SET FOR FILE ccc AT STATEMENT nnn.

ONCODE=1022. NO ADDITIONAL DASD SPACE CAN BE ALLOCATED FOR THE VSAM DATA SET ACCESSED BY FILE ccc AT STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: VSAM has been unable to allocate additional DASD space for the data set (ESDS or KSDS). The condition is raised when attempting to write a record during the sequential creation or extension of such a data set, when the space allocated to the data set is full. For a KSDS, the condition may also occur when the associated PL/I file is opened for update and attempts are made to write new records or to increase the size of existing records using the WRITE and REWRITE statements respectively.

The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5094I

RECORD FOR FILE ccc HELD IN EXCLUSIVE CONTROL AT STATEMENT nnn.

ONCODE=1027. IN THE VSAM DATA SET ACCESSED BY FILE ccc AT STATEMENT nnn, THE CONTROL INTERVAL CONTAINING THE REQUESTED RECORD IS BEING UPDATED BY ANOTHER FILE THAT USED THE SAME 'DD' STATEMENT. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5095I

RECORD ON NON-MOUNTED VOLUME FOR FILE ccc AT STATEMENT nnn.

ONCODE=1028. A VSAM DATA SET ACCESSED BY FILE ccc AT STATEMENT nnn RESIDES ON MORE THAN ONE VOLUME, AND THE

REQUESTED RECORD IS ON A VOLUME THAT HAS NOT BEEN MOUNTED. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5096I

REPOSITIONING FAILED FOR SEQUENTIAL 'READ' ON FILE ccc AT STATEMENT nnn.

ONCODE=1029. REPOSITIONING TO THE NEXT HIGHEST KEY FOR SUBSEQUENT SEQUENTIAL RETRIEVAL ON A VSAM DATA SET ACCESSED BY FILE ccc AT STATEMENT nnn HAS FAILED AFTER A 'KEY NOT FOUND' CONDITION. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: The attempt to reposition to the next highest key for subsequent sequential retrieval on a VSAM data set, after 'key not found' condition, has failed. If processing of the file is continued, the next I/O statement should have a positioning KEY option (see message IEN5073I). The READ statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5097I

UNREADABLE 'OMR' DATA ON FILE ccc AT STATEMENT nnn.

ONCODE=42. 'TRANSMIT' CONDITION HAS BEEN RAISED BECAUSE ONE OR MORE COLUMNS CONTAIN UNREADABLE 'OMR' DATA ON FILE ccc AT STATEMENT nnn. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: One or more OMR columns contain a marginal mark, weak mark, or poor erasure which cannot be read. An X'3F' character is substituted for unreadable characters, and also put in the last byte of the record. The card is stacker selected to the alternate stacker. The specified I/O statement has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding 'WAIT' statement is executed.

IEN5098I

INCORRECT SEQUENCE OF I/O OPERATIONS ON FILE ccc AT STATEMENT nnn.

ONCODE=1024. THE I/O OPERATIONS ON ASSOCIATED FILE ccc AT STATEMENT nnn EITHER WERE NOT EXECUTED IN THE CORRECT ORDER OR WERE THE RESULT OF AN ATTEMPT TO PRINT MORE THAN THE MAXIMUM NUMBER OF LINES ON A CARD. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: Operations on a set of associated files were not carried out in the correct sequence.

Either: Appropriate I/O operations were not carried out in the order Read-Punch-Print, where only the Print operation may be omitted.

Or: An attempt was made to print more than the maximum number of lines on a card, using a print file associated with a read or punch file. The specified I/O operation has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5099I

'STRNO' EXCEEDED BY OPERATION ON FILE ccc AT STATEMENT nnn.

ONCODE=1014. A VSAM DATA SET IS BEING ACCESSED BY SEVERAL FILES AND THE CURRENT OPERATION ON FILE ccc AT STATEMENT nnn WOULD CAUSE THE VALUE OF 'STRNO' FOR THE DATA SET TO BE EXCEEDED. ERROR DETECTED IN 'WAIT' STATEMENT. 'ERROR' CONDITION RAISED.

Explanation: When several files are accessing a VSAM data set through the same DD statement (that is, the same title), the STRNO subparameter on the DD statement specifies the total number of operations on all files that can be active at the same time. Note that a READ-REWRITE pair on a SEQUENTIAL file counts as one operation. For example, if three sequential files are likely to update a data set at the same time, STRNO=3 should be specified on the DD statement. The specified I/O operation has the EVENT option, therefore, any error detected during its execution is not made known to the PL/I program until the corresponding WAIT statement is executed.

IEN5150I

THE AT SUBCOMMAND

SYNTAX

AT 'STATEMENT-ID' 'AT-UNIT'

OPERANDS

REQUIRED

'STATEMENT-ID'

'STATEMENT-ID' SPECIFIES A STATEMENT NUMBER OR THE LABEL OF A SPECIFIC POINT IN THE PROGRAM.

'AT-UNIT' SPECIFIES A PL/I STATEMENT, GO SUBCOMMAND, DO-GROUP OR BEGIN BLOCK TO BE EXECUTED AT THE POINT SPECIFIED BY 'STATEMENT-ID'. IF CONTROL DOES NOT LEAVE THE AT-UNIT BY A TRANSFER OF CONTROL OR THE GO SUBCOMMAND, AN IMPLICIT HALT IS EXECUTED AT THE END OF THE AT-UNIT. A NULL UNIT IMPLIES A HALT.

NOTES

1. THE SOURCE OF THE AT SUBCOMMAND IS RETAINED AND CAN BE ACCESSED BY LIST AND BY THE SUBCOMMANDS OF EDIT. THE SOURCE IS ONLY DELETED WHEN EXECUTION TERMINATES.

WHERE USED

DURING EXECUTION, EXCEPT IN TSO OR EDIT SUBMODES.

FUNCTION

CAUSES A STATEMENT OR GROUP OF STATEMENTS TO BE TEMPORARILY ATTACHED TO THE PROGRAM AT THE SPECIFIED POINT. THE STATEMENTS ARE EXECUTED WHENEVER CONTROL REACHES THIS SPECIFIED POINT.

NOTES

1. THE EFFECT OF THE SUBCOMMAND APPLIES UNTIL ONE OF THE FOLLOWING CONDITIONS OCCURS
  - . SUBSEQUENT USE OF AN AT AT THE SAME POINT
  - . APPROPRIATE USE OF OFF
  - . EXECUTION IS TERMINATED
  - . USE OF RETRANSLATE
2. AN AT AND ABOVE MAY BE APPLIED AT THE SAME POINT. THE

STATEMENTS ATTACHED BY ABOVE WILL BE EXECUTED FIRST, BUT ONLY IF CONTROL WAS NOT TRANSFERRED TO THE SPECIFIC POINT BY BRANCHING.

IEN5151I

THE ABOVE SUBCOMMAND

SYNTAX

ABOVE 'STATEMENT-ID' 'AT-UNIT'

OPERANDS

REQUIRED

'STATEMENT-ID'

'STATEMENT-ID' SPECIFIES A STATEMENT NUMBER OR THE LABEL OF A SPECIFIC POINT IN THE PROGRAM.

'AT-UNIT' SPECIFIES A PL/I STATEMENT, GO SUBCOMMAND, DO-GROUP OR BEGIN BLOCK TO BE EXECUTED AT THE POINT SPECIFIED BY 'STATEMENT-ID'. IF CONTROL DOES NOT LEAVE THE AT-UNIT BY A TRANSFER OF CONTROL OR THE GO SUBCOMMAND, AN IMPLICIT HALT IS EXECUTED AT THE END OF THE AT-UNIT. A NULL UNIT IMPLIES A HALT.

NOTES

1. THE SOURCE OF THE ABOVE SUBCOMMAND IS RETAINED AND CAN BE ACCESSED BY LIST AND BY THE SUBCOMMANDS OF EDIT. THE SOURCE IS ONLY DELETED WHEN EXECUTION TERMINATES.

WHERE USED

DURING EXECUTION, EXCEPT IN TSO OR EDIT SUBMODES.

FUNCTION

CAUSES A STATEMENT OR GROUP OF STATEMENTS TO BE TEMPORARILY ATTACHED TO THE PROGRAM AT A SPECIFIED POINT. THE STATEMENTS ARE EXECUTED WHEN CONTROL REACHES THAT POINT SEQUENTIALLY (CONTROL DOES NOT REACH THAT POINT BY BRANCHING).

NOTES

1. THE EFFECT OF THE SUBCOMMAND APPLIES UNTIL ONE OF THE FOLLOWING CONDITIONS OCCUR
  - . SUBSEQUENT USE OF ABOVE AT THE SAME POINT
  - . APPROPRIATE USE OF OFF
  - . EXECUTION IS TERMINATED
  - . USE OF RETRANSLATE
2. AN ABOVE AND AT MAY BE APPLIED AT THE SAME POINT. THE STATEMENTS ATTACHED BY ABOVE WILL BE EXECUTED FIRST, BUT ONLY IF CONTROL WAS NOT TRANSFERRED TO THE SPECIFIC POINT BY BRANCHING.

IEN5152I

THE CHANGE SUBCOMMAND

SYNTAX

CHANGE 'SN1' 'SN2' 'OLD TEXT' 'NEW TEXT' C ALL

ALIAS

C

OPERANDS

REQUIRED

'OLD TEXT' 'NEW TEXT'

'SN1' SPECIFIES THE FIRST STATEMENT OR LINE IN WHICH TO SCAN FOR 'OLD TEXT'.

'SN2' SPECIFIES THE LAST STATEMENT OR LINE IN WHICH TO SCAN FOR 'OLD TEXT'. IF 'SN2' IS OMITTED, ONLY THE STATEMENT OR LINE SPECIFIED BY 'SN1' IS SCANNED. IF BOTH OPERANDS ARE OMITTED, THE WHOLE SOURCE OR LOGICAL UNIT IS SCANNED.

'OLD TEXT' SPECIFIES THE TEXT THAT IS TO BE MODIFIED.

'NEW TEXT' SPECIFIES THE TEXT THAT IS TO REPLACE

'OLD TEXT'. IF 'OLD TEXT' IS NULL, 'NEW TEXT'

IS PLACED BEFORE THE FIRST CHARACTER OF THE STATEMENT OR LINE SCANNED.

C SPECIFIES THAT COMMENTS ARE ALSO TO BE SCANNED FOR

'OLD TEXT'. IF THIS OPERAND IS OMITTED, ONLY THE TEXT

OUTSIDE COMMENTS IS SCANNED.  
ALL SPECIFIES THAT ALL OCCURRENCES OF 'OLD TEXT' IN THE SPECIFIED RANGE ARE TO BE MODIFIED. IF THIS OPERAND IS OMITTED, ONLY THE FIRST OCCURRENCE OF 'OLD TEXT' IS MODIFIED.

NOTES

1. TEXT OPERANDS ARE ENCLOSED IN QUOTES.
2. TEXT OPERANDS MUST NOT BE LONGER THAN 240 CHARACTERS.
3. IF BOTH 'SN1' AND 'SN2' ARE SPECIFIED, THE STATEMENTS OR LINES IN THE RANGE ARE SCANNED. THE OPERANDS NEED NOT SPECIFY EXISTING LINES OR STATEMENTS.
4. IF VERIFY IS ON, THE WHOLE OF THE MODIFIED STATEMENT OR LINE IS PRINTED AT THE TERMINAL.
5. OUTSTANDING CORRECTIONS WILL BE DELETED WHEN THE SOURCE IS MODIFIED BY THE USE OF CHANGE.

WHERE USED

IN EDIT SUBMODES.

FUNCTION

MODIFIES THE TEXT WITHIN A STATEMENT OR LINE OF CURRENT SOURCE OR LOGICAL UNIT.

NOTES

1. THE CURRENT EXECUTION IS NOT MODIFIED.
2. IF THE CURRENT SOURCE IS MODIFIED (IN EDIT SOURCE SUBMODE), EXECUTION IS TERMINATED.
3. IN EDIT UNIT SUBMODE WITH NO LOGICAL UNIT, THE CURRENT SOURCE IS SCANNED AND A LOGICAL UNIT IS CREATED FROM THE MODIFIED STATEMENT.

IEN5153I

THE DELETE SUBCOMMAND

SYNTAX

1. DELETE 'SN1' 'SN2' 'TEXT1' 'TEXT2' C
2. DELETE 'SN1' 'SN2'

ALIAS

D OR DEL

OPERANDS

FORM1

- 'SN1' SPECIFIES THE FIRST STATEMENT IN WHICH TO SCAN FOR 'TEXT1' AND 'TEXT2'.
- 'SN2' SPECIFIES THE LAST STATEMENT OR LINE IN WHICH TO SCAN FOR 'TEXT1' AND 'TEXT2'. IF 'SN2' IS OMITTED, ONLY THE STATEMENT OR LINE SPECIFIED BY 'SN1' IS SCANNED. IF BOTH OPERANDS ARE OMITTED, THE WHOLE SOURCE OR LOGICAL UNIT IS SCANNED.
- 'TEXT1' SPECIFIES THE START OF THE TEXT TO BE DELETED.
- 'TEXT2' SPECIFIES THE END OF THE TEXT TO BE DELETED. IF THIS OPERAND IS OMITTED, ONLY 'TEXT1' IS DELETED.
- C SPECIFIES THAT COMMENTS ARE ALSO TO BE SCANNED FOR 'TEXT1' AND 'TEXT2'. IF THIS OPERAND IS OMITTED, ONLY TEXT OUTSIDE COMMENTS IS SCANNED.

NOTES

1. TEXT OPERANDS ARE ENCLOSED IN QUOTES.
2. TEXT OPERANDS MUST NOT BE LONGER THAN 240 CHARACTERS.
3. 'TEXT1' AND 'TEXT2' MUST APPEAR IN THE SAME STATEMENT OR LINE.
4. IF BOTH 'SN1' AND 'SN2' ARE SPECIFIED, THE STATEMENTS OR LINES IN THE RANGE ARE SCANNED. THE OPERANDS NEED NOT SPECIFY EXISTING LINES OR STATEMENTS.
5. IF VERIFY IS ON, THE WHOLE OF THE MODIFIED STATEMENT IS PRINTED AT THE TERMINAL.

OPERANDS

FORM2

- 'SN1' SPECIFIES THE FIRST STATEMENT OR LINE TO BE DELETED.

'SN2' SPECIFIES THE LAST STATEMENT OR LINE TO BE DELETED. ALL STATEMENTS AND LINES BETWEEN 'SN1' AND 'SN2' ARE DELETED. IF THIS OPERAND IS OMITTED, ONLY THE STATEMENT OR LINE SPECIFIED BY 'SN1' IS DELETED. IF BOTH OPERANDS ARE OMITTED, THE WHOLE LOGICAL UNIT IS DELETED.

NOTES

1. IN EDIT SOURCE SUBMODE AT LEAST 'SN1' MUST BE SPECIFIED.

WHERE USED

IN EDIT SUBMODES.

FUNCTION

DELETES TEXT WITHIN A STATEMENT OR LINE, DELETES WHOLE LINES OR STATEMENTS, OR DELETES THE WHOLE LOGICAL UNIT.

NOTES

1. THE CURRENT EXECUTION IS NOT MODIFIED.
2. IF THE CURRENT SOURCE IS MODIFIED (IN EDIT SOURCE SUBMODE), EXECUTION IS TERMINATED.
3. IN EDIT UNIT SUBMODE WITH NO LOGICAL UNIT, THE CURRENT SOURCE IS SCANNED AND A LOGICAL UNIT IS CREATED FROM THE MODIFIED STATEMENT.

IEN5154I

THE EDIT SUBCOMMAND

SYNTAX

EDIT SOURCE/UNIT PROCEDURE('NAME')

ALIASES

E

S PROC

OPERANDS

REQUIRED

NONE

SOURCE SPECIFIES THAT THE SOURCE OF A PROCEDURE IS TO BE MODIFIED. IF ANY MODIFICATION IS MADE, THE COMPILER WILL PREVENT ANY FURTHER EXECUTION.

UNIT SPECIFIES THAT THE LOGICAL UNIT IS TO BE CREATED AND/OR MODIFIED.

PROCEDURE('NAME') SPECIFIES THE EXTERNAL PROCEDURE WHOSE SOURCE IS TO BE MANIPULATED. IT IS VALID ONLY AFTER EXECUTION HAS STARTED. USE OF THIS OPERAND IMPLIES THE SOURCE OPERAND. THE SPECIFIED PROCEDURE MUST HAVE BEEN ACTIVATED.

DEFAULTS

SOURCE/UNIT DEFAULTS TO UNIT.

'NAME' DEFAULTS TO THE CURRENT EXTERNAL PROCEDURE.

WHERE USED

AT ANY TIME AFTER PRIMARY SYNTAX CHECKING, EXCEPT IN TSO/CMS SUBMODE.

FUNCTION

PLACES THE COMPILER IN EDIT SUBMODE WHICH ALLOWS OTHER SUBCOMMANDS TO MANIPULATE THE CURRENT SOURCE OR LOGICAL UNIT.

IEN5155I

THE END SUBCOMMAND

SYNTAX

END

WHERE USED

AT ANY TIME.

FUNCTION

TERMINATES

- . OPERATION OF THE CHECKOUT COMPILER
- . TSO/CMS SUBMODE
- . EDIT SUBMODE

NOTES

1. IF THE SUBCOMMAND IS USED TO TERMINATE THE CHECKOUT

COMPILER, ANY SUBSEQUENT INFORMATION ON THE INPUT LINE WILL BE IGNORED. THE USER WILL BE PROMPTED FOR CONFIRMATION TO AVOID CONFUSION WITH THE PL/I END STATEMENT.

2. IF USED TO TERMINATE EDIT SUBMODE, THE COMPILER TAKES NO AUTOMATIC ACTION (SEE GO SUBCOMMAND).

IEN5156I THE GO SUBCOMMAND

SYNTAX

GO

ALIAS

NULL LINE

WHERE USED

AT ANY TIME EXCEPT IN TSO/CMS SUBMODE.

FUNCTION

IS USED

- . AFTER INITIALIZATION, TO PROCEED INTO PREPROCESSING, FORMAT OR SYNTAX CHECKING.
- . AT THE END OF PREPROCESSING, TO PROCEED INTO FORMAT OR SYNTAX CHECKING.
- . AT THE END OF FORMAT, TO PROCEED INTO SYNTAX CHECKING.
- . AT THE END OF SYNTAX CHECKING TO MAKE THE COMPILER PROCEED INTO GLOBAL CHECKING.
- . AT THE END OF TRANSLATION TO MAKE THE COMPILER PROCEED INTO EXECUTION.
- . IN EXECUTION, TO RESTART EXECUTION AT THE POINT OF INTERRUPT.
- . IN AN AT-UNIT, TO RETURN CONTROL TO THE POINT WHERE THE AT-UNIT IS ATTACHED.
- . IN EDIT UNIT SUBMODE, IF THERE IS A LOGICAL UNIT, TO CAUSE AUTOMATIC RETRANSLATION OF THE LOGICAL UNIT.

IEN5157I THE HELP SUBCOMMAND

SYNTAX

HELP 'MESSAGE-ID'

ALIAS

H

OPERANDS

REQUIRED

NONE

'MESSAGE-ID' SPECIFIES THE INFORMATION TO BE PRINTED. IF IT IS THE NUMBER OF A MESSAGE GENERATED BY THE COMPILER, THE LONG FORM OF THAT MESSAGE IS PRINTED. THE PREFIX LETTERS IEN, LEADING ZEROS, AND THE TYPE CODE ARE OPTIONAL. IF IT IS A SUBCOMMAND NAME, A DESCRIPTION OF THE SUBCOMMAND IS PRINTED.

IF THIS OPERAND IS OMITTED AND THE PROMPT IS A?, THE EXPLANATION OF THE PROMPT IS GIVEN. IF THIS OPERAND IS OMITTED AND THE PROMPT IS NOT A?, THE USER IS INFORMED OF THE CURRENT STATE OF THE COMPILER.

WHERE USED

AT ANY TIME.

FUNCTION

PRINTS

- . THE LONG FORM OF A GIVEN MESSAGE
- . AN EXPLANATION OF A GIVEN SUBCOMMAND
- . THE CURRENT STATE OF THE COMPILER, PLUS A LIST OF SUBCOMMANDS CURRENTLY VALID.

NOTES

1. IN TSO SUBMODE, THE FULL SYNTAX OF THE TSO HELP COMMAND MAY BE USED. THE PL/I HELP SUBCOMMAND IS OBTAINED IF A MESSAGE NUMBER IS SPECIFIED.
2. IN CMS SUBMODE, 'HELP' WITH ONE OPERAND WILL BE PROCESSED BY THE CHECKOUT COMPILER. 'HELP' WITH TWO OR MORE OPERANDS WILL BE PASSED TO CMS.

IEN5158I      INSERT/REPLACE SUBCOMMAND

SYNTAX

'SN' 'UNIT'

OPERANDS

REQUIRED

1. WHEN IN EDIT SUBMODE, 'SN'
  2. WHEN NOT IN EDIT SUBMODE, 'SN' 'UNIT'. IF THERE IS NO 'UNIT', THE COMPILER WILL SUPPLY A NULL STATEMENT.
- 'SN' SPECIFIES THE POINT AT WHICH THE UNIT IS TO BE INSERTED, OR THE STATEMENT THAT IS TO BE REPLACED.  
'UNIT' SPECIFIES THE STATEMENT.

NOTES

WHEN NOT IN EDIT SUBMODE

1. IF 'UNIT' IS A DO OR BEGIN STATEMENT, THE USER WILL BE PROMPTED FOR INPUT UNTIL THE UNIT IS COMPLETE.
2. THE ENTRY OF A DO-GROUP OR BEGIN BLOCK CAN CAUSE A RANGE OF STATEMENTS TO BE INSERTED OR REPLACED.
3. THE STATEMENTS ARE INSERTED INTO THE CURRENT SOURCE AND CURRENT EXECUTION.
4. LABELS AND AT/ABOVE AT-UNITS ATTACHED TO REPLACED STATEMENTS ARE REMOVED.

WHEN IN EDIT SUBMODE

5. THE TEXT IS INSERTED OR REPLACES THE LINE OR STATEMENT.
6. IF NO 'UNIT' OPERAND IS ENTERED, THE STATEMENT OR LINE SPECIFIED BY 'SN' IS DELETED.
7. THE UNIT IS ASSUMED TO BE COMPLETE. THE USER IS NOT PROMPTED IF THE UNIT IS A DO OR BEGIN STATEMENT.

WHERE USED

AT ANY TIME IN EDIT SUBMODE.  
DURING EXECUTION, EXCEPT IN ISO/CMS SUBMODE.

FUNCTION

CAUSES A STATEMENT OR GROUP OF STATEMENTS TO BE PERMANENTLY INCLUDED OR REPLACED IN THE CURRENT SOURCE AND CURRENT EXECUTION. IN EDIT SUBMODE, THE STATEMENT IS INCLUDED OR REPLACED ONLY IN THE CURRENT SOURCE OR LOGICAL UNIT.

IEN5159I      THE LIST SUBCOMMAND

SYNTAX

1. LIST 'SN1' 'SN2' SOURCE PROCEDURE('NAME') C
2. LIST MOD PROCEDURE ('NAME') C
3. LIST T PROCEDURE ('NAME') C

ALIAS

L

S PROC

OPERANDS

REQUIRED

NONE

- 'SN1' SPECIFIES THE FIRST STATEMENT OR LINE TO BE PRINTED.  
'SN2' SPECIFIES THE LAST STATEMENT OR LINE TO BE PRINTED.  
IF THIS OPERAND IS OMITTED, ONLY THE STATEMENT OR LINE SPECIFIED BY 'SN1' IS PRINTED. IF BOTH OPERANDS ARE OMITTED, THE WHOLE OF THE SOURCE OR LOGICAL UNIT IS PRINTED.  
MOD SPECIFIES THAT THE SOURCE OF CURRENTLY ATTACHED AT-UNITS IS TO BE PRINTED.  
I SPECIFIES THAT THE SOURCE OF ALL STATEMENTS WITH T-TYPE NUMBERS (AT-UNITS AND IMMEDIATE PL/I) IS TO BE PRINTED.  
SOURCE SPECIFIES THAT THE SOURCE IS TO BE PRINTED. IF THIS OPERAND IS OMITTED, THE LOGICAL UNIT IS PRINTED  
IF IT EXISTS, OTHERWISE THE SOURCE IS PRINTED.  
PROCEDURE('NAME') SPECIFIES THE EXTERNAL PROCEDURE TO BE PRINTED. IT MUST HAVE BEEN ACTIVATED. THE SOURCE OPERAND IS ASSUMED. IF THIS OPERAND IS OMITTED, THE CURRENT EXTERNAL PROCEDURE IS PRINTED.  
C SPECIFIES THAT THE STATEMENTS OR LINES ARE TO BE PRINTED

COMPLETE, INCLUDING ALL BLANKS, COMMENTS, AND LISTING CONTROL STATEMENTS. IF THIS OPERAND IS OMITTED, THE STATEMENTS AND LINES ARE PRINTED WITH ALL REDUNDANT BLANKS, COMMENTS, AND LISTING CONTROL STATEMENTS REMOVED.

NOTES

1. IF BOTH 'SN1' AND 'SN2' ARE SPECIFIED, ALL STATEMENTS OR LINES IN THE RANGE ARE PRINTED. THE OPERANDS NEED NOT SPECIFY EXISTING LINES OR STATEMENTS.

WHERE USED

AT ANY TIME, EXCEPT IN TSO SUBMODE.

FUNCTION

PRINTS THE CURRENT SOURCE OR LOGICAL UNIT AT THE TERMINAL.

IEN5161I THE MONITOR SUBCOMMAND

SYNTAX

MONITOR 'FILENAME'

ALIAS

MON

OPERANDS

REQUIRED

NONE

DEFAULTS

IF 'FILENAME' IS OMITTED, THE STANDARD OUTPUT FILE, SYSPRINT, IS ASSUMED.

'FILENAME' SPECIFIES THE NAME OF THE PL/I STREAM OUTPUT FILE TO BE MONITORED.

NOTES

1. 'FILENAME' MAY NOT BE SPECIFIED DURING TRANSLATION OF THE SOURCE PROGRAM.

WHERE USED

AT ANY TIME, EXCEPT IN EDIT AND TSO SUBMODES.

FUNCTION

COPIES FUTURE OUTPUT OF A STREAM OUTPUT FILE TO THE TERMINAL.

IEN5162I THE NOMONITOR SUBCOMMAND

SYNTAX

NOMCNITOR 'FILENAME'

ALIASES

NMON,

OPERANDS

REQUIRED

NONE

DEFAULTS

IF 'FILENAME' IS OMITTED, THE STANDARD OUTPUT FILE, SYSPRINT, IS ASSUMED.

'FILENAME' SPECIFIES THE NAME OF THE PL/I STREAM OUTPUT FILE.

NOTES

1. 'FILENAME' MAY NOT BE SPECIFIED DURING TRANSLATION OF THE SOURCE PROGRAM.

WHERE USED

AT ANY TIME, EXCEPT IN EDIT AND TSO SUBMODES.

FUNCTION

STOPS FUTURE OUTPUT OF A STREAM OUTPUT FILE BEING COPIED TO THE TERMINAL.

IEN5163I THE OFF SUBCOMMAND

SYNTAX

OFF 'STATEMENT-ID'

OPERANDS

REQUIRED

NONE

'STATEMENT-ID' A STATEMENT NUMBER OR LABEL PREFIX.  
ANY AT-UNIT CURRENTLY ATTACHED TO THAT STATEMENT  
IS REMOVED. IF THIS OPERAND  
IS OMITTED, ALL ATTACHED AT-UNITS FOR THE  
CURRENT EXTERNAL PROCEDURE ARE REMOVED.

NOTES

1. THE SOURCE OF THE AT-UNIT IS RETAINED AND CAN BE  
ACCESSED BY LIST AND BY THE SUBCOMMANDS OF EDIT. THE  
SOURCE IS DELETED ONLY WHEN EXECUTION TERMINATES.

WHERE USED

DURING EXECUTION, EXCEPT IN TSO OR EDIT SUBMODES.

FUNCTION

REMOVES AT-UNITS ATTACHED BY THE AT AND ABOVE SUBCOMMANDS.

IEN5164I THE OPTIONS SUBCOMMAND

SYNTAX

OPTIONS 'OP-LIST'

ALIAS

OP

OPERANDS

REQUIRED

NONE

'OP-LIST' SPECIFIES ONE OR MORE COMPILER OPTIONS. THE  
LIST IS NOT ENCLOSED IN QUOTES. IF THIS OPERAND IS OMITTED  
A LIST OF CURRENT OPTIONS IS PRINTED.

NOTES

1. IF 'OP-LIST' CONTAINS THE OP OPTION, A LIST OF CURRENT  
OPTIONS IS PRINTED WHEN ALL OTHER OPTIONS IN 'OP-LIST'  
HAVE BEEN PROCESSED.

WHERE USED

AT ANY TIME, EXCEPT IN TSO SUBMODE.

FUNCTION

MODIFIES THE OPTIONS UNDER WHICH THE COMPILER IS OPERATING.

NOTES

1. CERTAIN OPTIONS CAN NEVER BE CHANGED AND CERTAIN  
OTHERS CANNOT BE CHANGED AFTER A FIXED POINT. THE  
USER WILL BE INFORMED IF EITHER OF THESE CONDITIONS OCCURS.  
2. RETRANSLATE SUBCOMMAND IGNORES EFFECT OF ANY PREVIOUS  
OPTIONS SUBCOMMANDS.

IEN5165I THE QUALIFY SUBCOMMAND

SYNTAX

QUALIFY 'BLOCK-REF'

ALIAS

Q

OPERANDS

REQUIRED

'BLOCK-REF'

'BLOCK-REF' SPECIFIES THE NAME OF THE PL/I PROCEDURE  
OR ENTRY STATEMENT THAT IDENTIFIES THE BLOCK TO BE USED  
AS A BASE FOR IDENTIFIER RESOLUTION. THE SPECIFIED BLOCK  
NEED NOT BE ACTIVE BUT, IF EXTERNAL, IT MUST HAVE BEEN  
ACTIVATED DURING THIS EXECUTION.

WHERE USED

DURING EXECUTION, EXCEPT IN TSO OR EDIT SUBMODES.

FUNCTION

TEMPORARILY ALTERS THE SCOPE IN WHICH IDENTIFIERS AND  
STATEMENT NUMBERS ARE RESOLVED. THE DYNAMIC SCOPE  
(ESTABLISHMENT OF ON-UNITS) IS UNALTERED. THE EFFECT  
REMAINS UNTIL NORMAL EXECUTION IS RESUMED BY AN IMMEDIATE  
GOTO, A GO OR RESUME SUBCOMMAND, OR UNTIL A FURTHER QUALIFY  
IS ENTERED.

IEN5166I        THE RESUME SUBCOMMAND

SYNTAX  
RESUME  
ALIAS  
R

WHERE USED  
DURING EXECUTION, EXCEPT IN TSO OR EDIT SUBMODES.

FUNCTION  
TERMINATES ALL NESTED IMMEDIATE-MODE UNITS OR QUALIFY  
SUBCOMMANDS ENTERED SINCE CONTROL WAS LAST GIVEN TO THE  
TERMINAL FROM THE CURRENTLY EXECUTING PROGRAM. CONTROL  
IS RETURNED TO THE POINT OF INTERRUPT IN THE CURRENT  
EXECUTION.

NOTES  
1. RESUME DIFFERS FROM GO IN THAT THE LATTER RETURNS  
CONTROL TO THE LAST INTERRUPT POINT, IRRESPECTIVE OF  
WHETHER IT WAS IN THE CURRENT EXECUTION OR IN AN  
IMMEDIATE EXECUTION.

IEN5167I        THE STEP SUBCOMMAND

SYNTAX  
STEP 'COUNT' / ?

OPERANDS  
REQUIRED  
NONE

DEFAULTS  
IF NO OPERAND IS SPECIFIED, A COUNT OF 1 IS ASSUMED.  
'COUNT' SPECIFIES THE MAXIMUM NUMBER OF STATEMENTS TO BE  
EXECUTED BEFORE CONTROL IS GIVEN TO THE TERMINAL.  
? PRINTS THE NUMBER OF STATEMENTS REMAINING TO BE  
EXECUTED BEFORE CONTROL IS GIVEN TO THE TERMINAL.

WHERE USED  
DURING EXECUTION, EXCEPT IN EDIT AND TSO SUBMODES.

FUNCTION  
SETS A LIMIT ON THE NUMBER OF PL/I STATEMENTS TO BE EXECUTED  
BEFORE CONTROL IS GIVEN TO THE TERMINAL.

IEN5168I        THE CORRECT SUBCOMMAND

SYNTAX  
CORRECT 'STATEMENT-LIST' EXCLUDE PROMPT

ALIASES  
COR  
EX P

OPERANDS  
REQUIRED  
NONE

'STATEMENT-LIST' IS A LIST OF STATEMENTS FOR WHICH  
CORRECTIONS ARE AVAILABLE. IF THIS LIST IS OMITTED ALL  
AVAILABLE CORRECTIONS ARE MERGED.

EXCLUDE SPECIFIES THAT THE CORRECTED STATEMENTS IN  
'STATEMENT-LIST' ARE NOT TO BE MERGED. ALL OTHER  
AVAILABLE CORRECTIONS ARE MERGED. IF THIS OPERAND IS  
OMITTED, ALL THE STATEMENTS IN 'STATEMENT-LIST' ARE  
MERGED. MAY BE ABBREVIATED TO EX.

PROMPT SPECIFIES THAT BEFORE EACH STATEMENT IS MERGED, THE  
USER IS TO BE PROMPTED SO THAT HE CAN ACCEPT EACH  
CORRECTION IN TURN. IF VERIFY IS ON, THE WHOLE CORRECTED  
STATEMENT IS PRINTED BEFORE THE PROMPT. IF VERIFY IS OFF,  
ONLY THE STATEMENT NUMBER OF THE CORRECTED STATEMENT IS  
PRINTED BEFORE THE PROMPT. MAY BE ABBREVIATED TO P.

WHERE USED  
AT THE END OF SYNTAX CHECKING (PRIMARY OR SECONDARY).

FUNCTION

MERGES THE CORRECTED STATEMENTS GENERATED BY THE SYNTAX CHECKING PROCESS OF THE COMPILER INTO THE CURRENT SOURCE OR LOGICAL UNIT.

NOTES

1. USE OF THE CHANGE, DELETE, OR RENUMBER SUBCOMMANDS IN EDIT SUBMODE WILL RESULT IN ALL AVAILABLE CORRECTIONS BEING DELETED.
2. IF VERIFY IS ON, THE CORRECTED STATEMENT IS PRINTED BEFORE IT IS MERGED.

IEN5169I THE COUNT SUBCOMMAND

SYNTAX  
COUNT  
ALIAS  
CT

WHERE USED

DURING EXECUTION, EXCEPT IN TSO OR EDIT SUBMODES.

FUNCTION

CLEARs ANY CURRENT STATEMENT FREQUENCY COUNTS, AND STARTS OR RESTARTS COUNTING.

NOTES

1. COUNTING IS SUSPENDED AT THE FIRST INTERACTION AFTER COUNT IS ENTERED. A MESSAGE IS ISSUED WHEN THIS HAPPENS. CURRENT VALUES ARE RETAINED FOR PRINTING (SEE DESCRIPTION OF LISTCOUNT FOR DETAILS) UNTIL A FURTHER COUNT SUBCOMMAND, OR A GOTO 0 IS EXECUTED.
2. STATEMENTS IN AT, ABOVE, AND IMMEDIATE-MODE UNITS WILL NOT BE COUNTED.
3. COUNTING MAY BE SUSPENDED BY USING THE NOCOUNT SUBCOMMAND.
4. IF THE CURRENT EXECUTION INVOLVES INVOCATION OF OPTIMIZER COMPILED PROCEDURES THAT ARE TO BE COUNTED, THOSE PROCEDURES MUST HAVE BEEN COMPILED WITH THE COUNT AND/OR FLOW OPTION.

IEN5170I THE ERASE SUBCOMMAND

SYNTAX  
ERASE 'SN1' 'SN2'  
ALIAS  
ER

OPERANDS

REQUIRED

'SN1'  
'SN1' SPECIFIES THE FIRST STATEMENT TO BE ERASED.  
'SN2' SPECIFIES THE LAST STATEMENT TO BE ERASED. IF THIS OPERAND IS OMITTED, ONLY THE STATEMENT SPECIFIED BY 'SN1' IS ERASED.

NOTES

1. IF BOTH 'SN1' AND 'SN2' ARE SPECIFIED, ALL THE STATEMENTS IN THE RANGE ARE ERASED. EXISTING STATEMENTS NEED NOT BE SPECIFIED.

WHERE USED

DURING EXECUTION, EXCEPT IN EDIT SOURCE AND TSO SUBMODES.

FUNCTION

REMOVES SPECIFIED STATEMENTS FROM THE CURRENT SOURCE AND THE CURRENT EXECUTION.

IEN5171I THE FIND SUBCOMMAND

SYNTAX  
FIND 'SN1' 'SN2' 'TEXT' C  
ALIAS  
F

OPERANDS

REQUIRED

NONE

'SN1' SPECIFIES THE FIRST STATEMENT OR LINE IN WHICH TO SCAN FOR 'TEXT'.  
'SN2' SPECIFIES THE LAST STATEMENT OR LINE IN WHICH TO SCAN FOR 'TEXT'. IF THIS OPERAND IS OMITTED, ONLY THE STATEMENT OR LINE SPECIFIED BY 'SN1' IS SCANNED. IF BOTH OPERANDS ARE OMITTED, ALL THE SOURCE OR LOGICAL UNIT IS SCANNED.  
'TEXT' SPECIFIES THE TEXT TO BE IDENTIFIED.  
C SPECIFIES THAT COMMENTS ARE ALSO TO BE SCANNED FOR THE SPECIFIED TEXT. IF THIS OPERAND IS OMITTED, ONLY THE CHARACTERS OUTSIDE COMMENTS ARE SCANNED.  
IF ALL OPERANDS ARE OMITTED THE SCAN FOR THE SPECIFIED TEXT STARTS ONE CHARACTER AFTER THE LAST IDENTIFIED TEXT. THE ATTRIBUTES OF THE PREVIOUS FIND WITH A TEXT OPERAND ARE USED TO CONTROL THE SCAN.

NCES

1. IN EDIT SOURCE SUBMODE, THE CURRENT SOURCE IS SCANNED. IN EDIT UNIT SUBMODE, THE LOGICAL UNIT IS SCANNED.
2. IF THE STATEMENT CONTAINING THE LAST IDENTIFIED TEXT IS MODIFIED, THE SCAN FOR THE NEXT OCCURRENCE OF THE TEXT STARTS AT THE BEGINNING OF THE STATEMENT.
3. IF BOTH 'SN1' AND 'SN2' ARE SPECIFIED, THE STATEMENTS OR LINES IN THAT RANGE ARE SCANNED. THE OPERANDS NEED NOT SPECIFY EXISTING LINES OR STATEMENTS.

WHERE USED

IN EDIT SUBMODE.

FUNCTION

IDENTIFIES THE STATEMENT OR LINE IN THE SOURCE OR LOGICAL UNIT CONTAINING THE SPECIFIED TEXT.

IEN5172I

THE GROUP SUBCOMMAND

SYNTAX

1. GROUP 'SN1' 'SN2'
2. GROUP AT/ABOVE 'SN1'

ALIAS

G

OPERANDS

REQUIRED

ONE OPERAND MUST BE SPECIFIED.

FORM1

'SN1' SPECIFIES THE FIRST STATEMENT TO BE COPIED TO THE LOGICAL UNIT.

'SN2' SPECIFIES THE LAST STATEMENT TO BE COPIED TO THE LOGICAL UNIT. IF THIS OPERAND IS OMITTED, ONLY THE STATEMENT SPECIFIED BY 'SN1' IS COPIED.

FORM2

AT 'SN3' SPECIFIES THAT THE SOURCE OF THE AT-UNIT CURRENTLY ATTACHED TO STATEMENT 'SN3' BY AT IS TO BE COPIED TO THE LOGICAL UNIT.

ABOVE 'SN3' SPECIFIES THAT THE SOURCE OF THE AT-UNIT CURRENTLY ATTACHED TO STATEMENT 'SN3' BY ABOVE IS TO BE COPIED TO THE LOGICAL UNIT.

WHERE USED

IN EDIT UNIT SUBMODE.

FUNCTION

ADDS THE SPECIFIED STATEMENTS TO THE LOGICAL UNIT, OR CREATES A LOGICAL UNIT FROM THE SPECIFIED STATEMENTS.

IEN5173I

THE INCREMENT SUBCOMMAND

SYNTAX

INCREMENT 'NUM'

ALIAS  
I  
OPERAND  
REQUIRED  
'NUM'  
'NUM' SPECIFIES THE VALUE TO BE ADDED TO THE LAST  
STATEMENT NUMBER TO GENERATE THE NEXT STATEMENT NUMBER.  
IT CAN BE IN THE FORM NN (RANGE 1 TO 99999) OR .MM (RANGE  
.1 TO .31) OR NN.MM.

WHERE USED  
AT ANY TIME, EXCEPT IN TSO SUBMODE.

FUNCTION  
CHANGES THE INCREMENT THAT IS ADDED TO STATEMENT  
NUMBERS FOR PROMPTING DURING INSERT/REPLACE SUBCOMMANDS  
ENTERED OUTSIDE EDIT SUBMODE.

- NOTES
1. UNTIL THIS SUBCOMMAND IS ISSUED, A DEFAULT OF 1 IS  
ASSUMED FOR EXTERNAL PROCEDURES COMPILED WITH THE NUMBER  
OPTION, AND .1 FOR THOSE WITH THE STMT OPTION.
  2. THIS SUBCOMMAND SETS THE INCREMENT VALUE FOR ALL  
EXTERNAL PROCEDURES.

IEN5174I THE LISTCOUNT SUBCOMMAND

SYNTAX  
LISTCOUNT 'SN1' 'SN2' PROCEDURE('PROCNAME')/ALL

ALIASES

LCT

PROC

OPERANDS

REQUIRED

NONE

DEFAULTS

IF BOTH 'SN1' AND 'SN2' ARE OMITTED, FREQUENCIES OF ALL  
STATEMENTS ARE PRINTED.

IF PROCEDURE IS OMITTED, FREQUENCIES FOR THE CURRENT  
PROCEDURE ARE PRINTED.

'SN1' SPECIFIES THE START OF THE RANGE OF STATEMENTS FOR  
WHICH FREQUENCIES ARE TO BE PRINTED.

'SN2' SPECIFIES THE END OF THE RANGE OF STATEMENTS. IF  
OMITTED, ONLY THE FREQUENCY OF 'SN1' IS PRINTED.

PROCEDURE('PROCNAME') SPECIFIES THE NAME OF THE EXTERNAL  
PROCEDURE FOR WHICH FREQUENCIES ARE TO BE PRINTED.

ALL SPECIFIES THAT FREQUENCIES ARE TO BE PRINTED FOR ALL  
PROCEDURES FOR WHICH A COUNT EXISTS.

NOTES

1. IF 'SN1' AND 'SN2' ARE BOTH SPECIFIED, THE FREQUENCIES  
OF STATEMENTS IN THE RANGE ARE PRINTED. THE OPERANDS NEED  
NOT SPECIFY EXISTING STATEMENTS.
2. IF TWO OR MORE STATEMENTS HAVE THE SAME STATEMENT  
NUMBER, THEIR COUNT VALUES MAY BE INCORRECT, BUT ALL  
OTHER COUNT VALUES WILL BE CORRECT. THIS TYPICALLY  
OCCURS WHEN SYNTAX ERRORS SUCH AS MISSING SEMICOLONS  
HAVE BEEN CORRECTED BY THE TRANSLATOR.

WHERE USED

DURING EXECUTION, EXCEPT IN TSO OR EDIT SUBMODES.

FUNCTION

PRINTS A LIST OF THE FREQUENCY OF STATEMENT  
EXECUTION. OPERANDS ALLOW A RANGE OF  
STATEMENTS TO BE SPECIFIED.

NOTES

1. FREQUENCY INFORMATION IS ONLY ACCUMULATED WHEN THE  
COUNT OPTION IS IN EFFECT. SEE DESCRIPTION OF THE COUNT  
SUBCOMMAND FOR FURTHER CONTROL OF COUNTING.
2. IF EXECUTION IS RESTARTED BY GO TO 0, FREQUENCY COUNTS

ARE RESET TO 0 IF THE COUNT OPTION IS IN EFFECT, AND DISCARDED IF NOT.

3. STATEMENTS IN AT, ABOVE, AND IMMEDIATE-MODE UNITS WILL NOT BE COUNTED.

IEN5175I THE NOCOUNT SUBCOMMAND  
SYNTAX  
NOCOUNT  
ALIASES  
NCT, NOCT  
WHERE USED  
DURING EXECUTION, EXCEPT IN TSO, CMS OR EDIT SUBMODES.  
FUNCTION  
THE NOCOUNT SUBCOMMAND SUSPENDS STATEMENT FREQUENCY COUNTING.  
NOTES  
1. CURRENT COUNT VALUES ARE RETAINED FOR PRINTING (SEE DESCRIPTION OF LISTCOUNT FOR DETAILS) UNTIL A COUNT SUBCOMMAND OR GOTO 0 IS EXECUTED.  
2. STATEMENT FREQUENCY COUNTING MAY HAVE BEEN PREVIOUSLY INITIATED BY THE COUNT OPTION, OR THE COUNT SUBCOMMAND.

IEN5176I THE NOVERIFY SUBCOMMAND  
SYNTAX  
NOVERIFY  
ALIASES  
NV, NOV  
WHERE USED  
AT ANY TIME, EXCEPT IN TSO/CMS SUBMODE.  
FUNCTION  
SUPPRESSES PRINTING OF STATEMENTS MODIFIED BY THE CHANGE, DELETE, AND CORRECT SUBCOMMANDS, OR IDENTIFIED BY THE FIND SUBCOMMAND.  
NOTES  
1. THE INITIAL SETTING OF VERIFY/NOVERIFY CAN BE SPECIFIED AT SYSGEN TIME AND IN THE PLIC COMMAND.

IEN5177I THE REFERENCE SUBCOMMAND  
SYNTAX  
REFERENCE '(ITEMLIST)' '(BLOCKLIST)' XREF ATTRIBUTES  
ALIAS  
REF  
X A  
OPERANDS  
REQUIRED  
'(ITEMLIST)'  
DEFAULTS  
'(BLOCKLIST)' DEFAULTS TO THE CURRENT EXTERNAL BLOCK.  
IF BOTH XREF AND ATTRIBUTES ARE OMITTED, XREF IS ASSUMED.  
'(ITEMLIST)' SPECIFIES THE LIST OF VARIABLES. IF AN ITEM IS AMBIGUOUS, REFERENCE OUTPUT FOR EACH POSSIBLE INSTANCE WILL BE PRODUCED. ALTERNATIVELY AN ASTERISK '\*' MAY BE SPECIFIED FOR '(ITEMLIST)'. IN THIS CASE VARIABLES AND PARAMETERS IN THE CURRENT EXTERNAL BLOCK WHICH DO NOT HAVE AN EXPLICIT DECLARE STATEMENT WILL BE REFERENCED; ANY '(BLOCKLIST)' OPERAND WILL BE IGNORED.  
'(BLOCKLIST)' SPECIFIES THE SCOPE OF THE REFERENCE. ANY BLOCKS IN THE LIST MUST BE CONTAINED IN THE CURRENT EXTERNAL PROCEDURE. STATEMENT NUMBERS MAY BE USED INSTEAD OF BLOCK NAMES; IF THEY DO NOT REFER TO A PROCEDURE OR BEGIN, THE CONTAINING BLOCKS ARE ASSUMED. THIS OPERAND IS IGNORED IF THE '(ITEMLIST)' OPERAND IS SPECIFIED AS '\*'.  
ATTRIBUTES REQUESTS THE ATTRIBUTES AND DECLARE STATEMENT

NUMBER.

XREF REQUESTS THE STATEMENT NUMBERS WHERE THE VARIABLES ARE DECLARED AND REFERENCED.

WHERE USED

DURING EXECUTION, EXCEPT IN TSO, CMS OR EDIT SUBMODES.

FUNCTION

PRINTS THE DECLARE STATEMENT NUMBER AND THE

ATTRIBUTES AND/OR REFERENCES OF VARIABLES.

NOTES

1. REFERENCE (WITH X REF) TO STRUCTURE NAMES IS EQUIVALENT TO REFERENCE TO THEIR ELEMENTS. USAGE OF THE STRUCTURE NAMES THEMSELVES IS NOT ACCESSIBLE.
2. IF AN ITEM IS USED MORE THAN ONCE IN A STATEMENT, ONLY ONE REFERENCE TO THAT STATEMENT WILL BE PRINTED.

IEN5178I

THE RENUMBER SUBCOMMAND

SYNTAX

FORM1 - DURING EDIT UNIT

RENUMBER 'START' TO 'END' BY 'INCR' /IMMEDIATE

FORM2 - DURING EDIT SOURCE

RENUMBER 'START' TO 'END' BY 'INCR'

ALIASES

RENUM

IMM

OPERANDS

REQUIRED

FORM1 - IMMEDIATE OR 'START'.

FORM2 - NONE.

DEFAULTS

FORM1 AND FORM2

IF BOTH 'END' AND 'INCR' ARE OMITTED, 'INCR'

DEFAULTS TO 10 WHERE NUMBER APPLIES, OR TO 1 WHERE STMT APPLIES.

IF 'END' IS SPECIFIED, AND 'INCR' IS OMITTED, 'INCR'

IS GIVEN A VALUE TO PROVIDE AN EVEN SPREAD OF NUMBERS.

FORM2

'START' DEFAULTS TO 10 WHERE NUMBER APPLIES, OR TO 1 WHERE STMT APPLIES.

'START' SPECIFIES THE STATEMENT NUMBER FOR THE FIRST STATEMENT IN THE LOGICAL UNIT OR CURRENT SOURCE.

'END' SPECIFIES THE STATEMENT NUMBER FOR THE LAST STATEMENT IN THE LOGICAL UNIT OR CURRENT SOURCE.

'INCR' SPECIFIES THE INCREMENT TO BE ADDED TO THE LAST STATEMENT NUMBER TO GENERATE THE NEXT NUMBER. IT CAN BE IN THE FORM NN (RANGE 1 TO 99999) IN EDIT UNIT ONLY, IT CAN ALSO BE IN THE FORMS .MM (RANGE .1 TO .31) OR NN.MM.

IMMEDIATE SPECIFIES RENUMBERING OF THE LOGICAL UNIT AS IMMEDIATE-MODE PL/I. IT IS USED TO TURN ANY PL/I TEXT INTO IMMEDIATE-MODE STATEMENTS. IF ENTERED, IT MUST BE THE ONLY OPERAND.

WHERE USED

IN EDIT SUBMODE.

FUNCTION

RENUMBERS THE STATEMENTS (AND LINES IF THE NUMBER OPTION APPLIES) IN THE LOGICAL UNIT OR CURRENT SOURCE.

NOTES

1. RENUMBER OPERATES IN A DISTINCT MANNER DEPENDING ON WHETHER EDIT WAS INITIATED WITH THE SOURCE OR UNIT OPERAND. WITH EDIT UNIT, THE LOGICAL UNIT IS RENUMBERED. WITH EDIT SOURCE, THE CURRENT SOURCE IS RENUMBERED.
2. USED WITH EDIT UNIT, RENUMBER PROVIDES A MECHANISM FOR COPYING OR MOVING STATEMENTS. IT IS ALSO USED AS PART OF

THE PROCEDURE TO CONVERT AT-UNITS INTO INSERT/REPLACE  
UNITS.

3. WHERE THE CURRENT SOURCE IS RENUMBERED, AND THE NUMBER  
OPTION APPLIES, SUBSEQUENT USE OF SAVE WILL PLACE EACH  
STATEMENT ON A NEW LINE. WHERE THE STMT OPTION APPLIES,

## FUNCTION

PRINTS THE DECLARE STATEMENT NUMBER AND THE ATTRIBUTES AND/OR REFERENCES OF VARIABLES.

## NOTES

1. REFERENCE (WITH X REF) TO STRUCTURE NAMES IS EQUIVALENT TO REFERENCE TO THEIR ELEMENTS. USAGE OF THE STRUCTURE NAMES THEMSELVES IS NOT ACCESSIBLE.
2. IF AN ITEM IS USED MORE THAN ONCE IN A STATEMENT, ONLY ONE REFERENCE TO THAT STATEMENT WILL BE PRINTED.

IEN5178I

## THE RENUMBER SUBCOMMAND

### SYNTAX

FORM1 - DURING EDIT UNIT

RENUMBER 'START' TO 'END' BY 'INCR' /IMMEDIATE

FORM2 - DURING EDIT SOURCE

RENUMBER 'START' TO 'END' BY 'INCR'

### ALIASES

RENUM

IMM

### OPERANDS

#### REQUIRED

FORM1 - IMMEDIATE OR 'START'.

FORM2 - NONE.

#### DEFAULTS

FORM1 AND FORM2

IF BOTH 'END' AND 'INCR' ARE OMITTED, 'INCR'

DEFAULTS TO 10 WHERE NUMBER APPLIES, OR TO 1 WHERE STMT APPLIES.

IF 'END' IS SPECIFIED, AND 'INCR' IS OMITTED, 'INCR'

IS GIVEN A VALUE TO PROVIDE AN EVEN SPREAD OF NUMBERS.

FORM2

'START' DEFAULTS TO 10 WHERE NUMBER APPLIES, OR TO 1 WHERE STMT APPLIES.

'START' SPECIFIES THE STATEMENT NUMBER FOR THE FIRST STATEMENT IN THE LOGICAL UNIT OR CURRENT SOURCE.

TO 'END' SPECIFIES THE STATEMENT NUMBER FOR THE LAST STATEMENT IN THE LOGICAL UNIT OR CURRENT SOURCE.

BY 'INCR' SPECIFIES THE INCREMENT TO BE ADDED TO THE LAST STATEMENT NUMBER TO GENERATE THE NEXT NUMBER. IT CAN BE IN THE FORM NN (RANGE 1 TO 99999) IN EDIT UNIT ONLY, IT CAN ALSO BE IN THE FORMS .MM (RANGE .1 TO .31) OR NN.MM.

IMMEDIATE SPECIFIES RENUMBERING OF THE LOGICAL UNIT AS IMMEDIATE-MODE PL/I. IT IS USED TO TURN ANY PL/I TEXT INTO IMMEDIATE-MODE STATEMENTS. IF ENTERED, IT MUST BE THE ONLY OPERAND.

### WHERE USED

IN EDIT SUBMODE.

### FUNCTION

RENUMBERS THE STATEMENTS (AND LINES IF THE NUMBER OPTION APPLIES) IN THE LOGICAL UNIT OR CURRENT SOURCE.

### NOTES

1. RENUMBER OPERATES IN A DISTINCT MANNER DEPENDING ON WHETHER EDIT WAS INITIATED WITH THE SOURCE OR UNIT OPERAND. WITH EDIT UNIT, THE LOGICAL UNIT IS RENUMBERED. WITH EDIT SOURCE, THE CURRENT SOURCE IS RENUMBERED.
2. USED WITH EDIT UNIT, RENUMBER PROVIDES A MECHANISM FOR COPYING OR MOVING STATEMENTS. IT IS ALSO USED AS PART OF THE PROCEDURE TO CONVERT AT-UNITS INTO INSERT/REPLACE UNITS.
3. WHERE THE CURRENT SOURCE IS RENUMBERED, AND THE NUMBER OPTION APPLIES, SUBSEQUENT USE OF SAVE WILL PLACE EACH STATEMENT ON A NEW LINE. WHERE THE STMT OPTION APPLIES,

HOWEVER, THE FORMAT OF THE ORIGINAL SOURCE WILL BE UNAFFECTED.

IEN5179I

THE RETRANSLATE SUBCOMMAND  
SYNTAX  
RETRANSLATE DATASET ('DSNAME')/FILE ('FILEID') PROCEDURE  
('NAME') 'OP-LIST' 'EXEC-PARM'  
ALIAS  
RET  
OPERANDS  
REQUIRED  
NONE  
DEFAULTS  
'DSNAME' DEFAULTS TO THE NAME OF THE DATA SET  
CONTAINING THE SOURCE OF THE CURRENT EXTERNAL PROCEDURE.  
'OP-LIST' DEFAULTS TO THE OPTIONS USED ON THE ORIGINAL  
INVOCATION OF THE COMPILER.  
'EXEC-PARM' DEFAULTS TO THE LAST EXECUTION PARAMETER  
SPECIFIED.  
DATASET ('DSNAME') IS FOR USE UNDER TSO AND SPECIFIES THE  
NAME OF THE DATA SET TO BE USED AS INPUT TO THE NEW  
TRANSLATION. NORMAL TSO SYNTAX IS USED FOR 'DSNAME'. IF  
THIS OPERAND IS OMITTED, THE CURRENT SOURCE IS USED AS  
INPUT TO THE NEW TRANSLATION.  
FILE ('FILEID') IS FOR USE UNDER CMS AND SPECIFIES THE FILE  
IDENTIFIER OF THE CMS FILE TO BE USED AS INPUT TO THE NEW  
TRANSLATION. NORMAL CMS SYNTAX IS USED FOR 'FILEID'. IF  
THIS OPERAND IS OMITTED UNDER CMS, THE CURRENT SOURCE IS  
USED AS INPUT TO THE NEW TRANSLATION.  
PROCEDURE ('NAME') IS VALID ONLY IF THE DATASET/FILE OPERAND  
IS OMITTED AND EXECUTION HAS STARTED. THE CURRENT SOURCE  
FOR THE EXTERNAL PROCEDURE 'NAME' IS USED AS INPUT TO  
THE NEW TRANSLATION. THE PROCEDURE MUST HAVE BEEN ACTIVATED.  
IF THE OPERAND IS OMITTED, THE CURRENT EXTERNAL PROCEDURE  
IS USED.  
'OP-LIST' SPECIFIES ONE OR MORE COMPILER OPTIONS WHICH  
ARE ADDED TO THOSE USED ON THE ORIGINAL INVOCATION  
OF THE COMPILER. ANY OPTION CHANGES MADE BY PREVIOUS  
OPTION AND RETRANSLATE SUBCOMMANDS ARE IGNORED.  
LIST IS NOT ENCLOSED IN QUOTES, AND MAY OCCUR BETWEEN  
ANY OR ALL OF THE OTHER OPERANDS.  
'EXEC-PARM' SPECIFIES A NEW PARAMETER STRING THAT IS  
PASSED TO THE MAIN PROCEDURE WHEN EXECUTION RESTARTS.  
IT MUST BE ENCLOSED IN QUOTES.  
WHERE USED  
AT ANY TIME, EXCEPT IN TSO/CMS SUBMODE.  
FUNCTION  
RESTARTS TRANSLATION OF THE CURRENT SOURCE OR A NAMED  
DATA SET.

IEN5180I

THE SAVE SUBCOMMAND  
SYNTAX  
SAVE DATASET ('DSNAME')/FILE ('FILEID') RENUMBER ('NUM')  
FORMAT PROCEDURE ('NAME')  
ALIASES  
S  
DA RENUM FOR PROC  
OPERANDS  
REQUIRED  
NONE  
DEFAULTS  
'DSNAME' DEFAULTS TO THE DATA SET NAME  
CONTAINING THE SOURCE OF THE CURRENT EXTERNAL PROCEDURE,  
WHICH IS OVERRITTEN.  
'NUM' DEFAULTS TO 10.  
'NAME' DEFAULTS TO THE CURRENT EXTERNAL PROCEDURE.

DATASET('DSNAME') IS FOR USE UNDER TSO AND SPECIFIES THE NAME OF THE DATA SET THAT IS TO CONTAIN THE CURRENT SOURCE. NORMAL TSO SYNTAX FOR DATA SET NAMES MUST BE USED. IF THE DATA SET DOES NOT EXIST, IT IS ALLOCATED WITH THE CHARACTERISTICS OF THE ORIGINAL SOURCE. IF THIS OPERAND IS OMITTED UNDER TSO, OR THERE IS ANY DANGER OF OVERWRITING THE ORIGINAL SOURCE, THE USER WILL BE PROMPTED.

FILE('FILEID') IS FOR USE UNDER CMS AND SPECIFIES THE FILE IDENTIFIER OF THE CMS FILE THAT IS TO CONTAIN THE CURRENT SOURCE. NORMAL CMS SYNTAX IS USED FOR 'FILEID'. IF THE FILE DOES NOT EXIST, IT IS ALLOCATED WITH THE CHARACTERISTICS OF THE ORIGINAL SOURCE. IF THIS OPERAND IS OMITTED UNDER CMS, OR THERE IS ANY DANGER OF OVERWRITING THE ORIGINAL SOURCE, THE USER WILL BE PROMPTED.

RENUMBER('NUM') SPECIFIES RENUMBERING OF THE CURRENT SOURCE AS IT IS SAVED, WITH THE STARTING VALUE AND INCREMENT SPECIFIED BY 'NUM'. IT IS IGNORED IF THE SEQUENCE OPTION DOES NOT APPLY TO THE SOURCE BEING SAVED. FORMAT SPECIFIES REFORMATTING AND RENUMBERING OF THE CURRENT SOURCE AS IT IS SAVED, USING THE SAME CONVENTIONS AS THE FORMAT OPTION IMPLIES. 'NUM' OR ITS DEFAULT IS USED IN RENUMBERING.

PROCEDURE('NAME') IS VALID ONLY AFTER EXECUTION HAS STARTED, AND SPECIFIES THE EXTERNAL PROCEDURE WHOSE CURRENT SOURCE IS TO BE SAVED. THE PROCEDURE MUST HAVE BEEN ACTIVATED.

WHERE USED

AT ANY TIME AFTER SYNTAX CHECKING OF THE ORIGINAL SOURCE IS COMPLETE, EXCEPT IN TSO/CMS SUBMODE.

FUNCTION

THE SAVE SUBCOMMAND CAUSES THE CURRENT SOURCE TO BE SAVED IN A PERMANENT DATA SET.

NOTES

1. THE SAVED DATA SET WILL PRESERVE ONLY SOURCE, SEQUENCE FIELD INFORMATION, AND CARRIAGE CONTROL CHARACTERS. EXTRANEIOUS INFORMATION FROM THE ORIGINAL SOURCE RECORDS IS LOST, TOGETHER WITH \*PROCESS RECORDS, \*DATA, AND DATA RECORDS. AT AND ABOVE UNITS ARE IGNORED.

IEN5181I THE TSO SUBCOMMAND

SYNTAX

TSO

WHERE USED

AT ANY TIME, EXCEPT IN EDIT SUBMODE.

FUNCTION

GIVES ACCESS TO TSO COMMANDS WHILE UNDER CONTROL OF THE CHECKOUT COMPILER. IT INITIATES TSO SUBMODE, DURING WHICH CERTAIN TSO COMMANDS MAY BE ENTERED.

NOTES

1. NOT ALL TSO COMMANDS MAY BE ISSUED IN TSO SUBMODE. AFTER ENTERING TSO, ENTER 'HELP' TO DISCOVER WHICH TSO COMMANDS AND CHECKOUT SUBCOMMANDS ARE VALID.
2. VALID TSO COMMANDS INCLUDE ALLOCATE, ATTRIB, DELETE, FREE, HELP, LIST (IF AVAILABLE), LISTALC, LISTCAT, LISTDS, SEND, STATUS, AND RENAME.
3. '?' CAN BE USED TO PRODUCE ANY SECOND-LEVEL MESSAGES FROM THE LAST TSO COMMAND.
4. ATTENTION DURING PROCESSING OF A TSO COMMAND RETURNS THE COMPILER TO TSO SUBMODE; THE COMMAND MAY BE RESUMED WITH A CARRIAGE RETURN, BUT I/O BUFFERS MAY HAVE BEEN LOST. THE CARRIAGE RETURN MAY BE PRECEDED BY A '?' TO PRODUCE SECOND-LEVEL MESSAGES.
5. TSO SUBMODE IS TERMINATED BY 'END'.

IEN5182I THE VERIFY SUBCOMMAND

SYNTAX

VERIFY

ALIAS

V

NOTES

1. THE INITIAL SETTING OF VERIFY/NOVERIFY CAN BE SPECIFIED AT SYSGEN TIME AND IN THE PLIC COMMAND.

WHERE USED

AT ANY TIME EXCEPT IN TSO/CMS SUBMODE.

FUNCTION

CAUSES PRINTING OF STATEMENTS MODIFIED BY THE CHANGE, DELETE, OR CORRECT SUBCOMMANDS, OR STATEMENTS IDENTIFIED BY THE FIND SUBCOMMAND.

IEN5183I THE CMS SUBCOMMAND SYNTAX  
CMS WERE USED  
AT ANY TIME EXCEPT IN EDIT SUBMODE FUNCTION  
GIVES ACCESS TO CMS COMMANDS WHILE UNDER THE CONTROL OF THE  
CHECKOUT COMPILER. IT INITIATES CMS SUBMODE, DURING WHICH  
CERTAIN CMS COMMANDS MAY BE ENTERED.  
NOTES 1. NOT ALL CMS COMMANDS ARE ALLOWED IN CMS SUBMODE.

A  
COMMAND WILL NOT BE EXECUTED IF IT WOULD NEED TO USE THE  
STORAGE BEING USED BY THE CHECKOUT COMPILER.  
2. THE 'HELP' SUBCOMMAND WILL ONLY BE PASSED TO CMS IF IT  
HAS MORE THAN ONE OPERAND.  
3. CMS SUBMODE IS TERMINATED BY 'END'.

IEN5190I OPTION PROCESSING. ENTER 'GO' TO CONTINUE.  
THE COMPILER OPTIONS ARE BEING PROCESSED. THE 'GO'  
SUBCOMMAND WILL CAUSE OPTIONS PROCESSING TO CONTINUE.

IEN5191I COMPILER OPTIONS PROCESSED. ENTER 'GO' TO CONTINUE.  
THE COMPILER OPTPIONS HAVE BEEN PROCESSED. THE 'GO'  
SUBCOMMAND WILL CAUSE FORMATTING OF THE SOURCE PROGRAM  
TO START.

IEN5192I COMPILER OPTIONS PROCESSED. ENTER 'GO' TO CONTINUE.  
THE COMPILER OPTIONS HAVE BEEN PROCESSED. THE 'GO'  
SUBCOMMAND WILL CAUSE 'MACRO' PROCESSING TO START.

IEN5193I COMPILER OPTIONS PROCESSED. ENTER 'GO' TO CONTINUE.  
THE COMPILER OPTIONS HAVE BEEN PROCESSED. THE 'GO'  
SUBCOMMAND WILL CAUSE SYNTAX CHECKING OF THE SOURCE  
PROGRAM TO START.

IEN5194I 'MACRO' PASS COMPLETE. ENTER 'GO' TO CONTINUE.  
'MACRO' PROCESSING IS COMPLETE. THE 'GO' SUBCOMMAND  
WILL CAUSE FORMATTING OF THE SOURCE PROGRAM TO START.

IEN5195I 'MACRO' PASS COMPLETE. ENTER 'GO' TO CONTINUE.  
'MACRO' PROCESSING IS COMPLETE. THE 'GO' SUBCOMMAND  
WILL CAUSE SYNTAX CHECKING OF THE SOURCE PROGRAM TO  
START.

IEN5196I SOURCE BEING FORMATTED. ENTER 'GO' TO CONTINUE.

THE SOURCE PROGRAM IS BEING FORMATTED. THE 'GO' SUBCOMMAND WILL CAUSE SOURCE FORMATTING TO CONTINUE.

IEN5197I SYNTAX CHECKING. ENTER 'GO' TO CONTINUE.

THE SOURCE PROGRAM IS BEING CHECKED FOR SYNTAX ERRORS. THE 'GO' SUBCOMMAND WILL CAUSE SYNTAX CHECKING OF THE SOURCE PROGRAM TO CONTINUE.

IEN5198I VALID SUBCOMMANDS ARE - 'CMS', 'END', 'GO', 'H', 'I', 'MON', 'NMON', 'NV', 'OP', 'RET', 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'END', 'GO' (OR A NULL LINE), 'HELP' OR 'H', 'INCREMENT' OR 'I', 'MONITOR' OR 'MON', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'RETRANSLATE' OR 'RET', 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5199I SYNTAX CHECKING COMPLETE. ENTER 'GO' TO CONTINUE.

THE SOURCE PROGRAM HAS BEEN CHECKED FOR SYNTAX ERRORS. THE 'GO' SUBCOMMAND WILL CAUSE GLOBAL CHECKING OF THE SOURCE PROGRAM TO START.

IEN5200I VALID SUBCOMMANDS ARE - 'CMS', 'COR', 'E', 'END', 'GO', 'H', 'I', 'L', 'MON', 'NMON', 'NV', 'OP', 'RET', 'S', 'TSO' AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'CORRECT' OR 'COR', 'EDIT' OR 'E', 'END', 'GO' (OR A NULL LINE), 'HELP' OR 'H', 'INCREMENT' OR 'I', 'LIST' OR 'L', 'MONITOR' OR 'MON', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5201I GLOBAL CHECKING. ENTER 'GO' TO CONTINUE.

THE SOURCE PROGRAM IS BEING CHECKED FOR GLOBAL ERRORS. THE 'GO' SUBCOMMAND WILL CAUSE GLOBAL CHECKING OF THE SOURCE PROGRAM TO CONTINUE.

IEN5202I TRANSLATION COMPLETE. ENTER 'GO' TO CONTINUE.

THE SOURCE PROGRAM HAS BEEN TRANSLATED. THE 'GO' SUBCOMMAND WILL CAUSE INTERPRETATION TO START.

IEN5203I VALID SUBCOMMANDS ARE - 'CMS', 'E', 'END', 'GO', 'H', 'I', 'L', 'MON', 'NMON', 'NV', 'OP', 'RET', 'S', 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'EDIT' OR 'E', 'END', 'GO' (OR A NULL LINE), 'HELP' OR 'H', 'INCREMENT' OR 'I', 'LIST' OR 'L', 'MONITOR' OR 'MON', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', 'TSO', AND

'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY  
SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE  
SUBCOMMAND NAME.

IEN5204I LOGICAL UNIT DELETED. ENTER 'GO' TO CONTINUE.

THE LOGICAL UNIT HAS BEEN DELETED. THE 'GO' SUBCOMMAND  
WILL CAUSE EXECUTION TO RESTART.

IEN5205I CHANGES SINCE SYNTAX-CHECKING. ENTER 'GO' TO  
RETRANSLATE LOGICAL UNIT.

SUBCOMMANDS, ENTERED SINCE SYNTAX CHECKING OF THE  
LOGICAL UNIT, HAVE CAUSED THE TRANSLATION OF THE  
LOGICAL UNIT TO BE TERMINATED. THE 'GO' SUBCOMMAND  
WILL CAUSE RETRANSLATION OF THE LOGICAL UNIT. TO

DELETE THE LOGICAL UNIT, ENTER A NEW UNIT OR USE THE 'DELETE' SUBCOMMAND OF 'EDIT' SUBMODE. THE 'RESUME' SUBCOMMAND WILL CAUSE EXECUTION TO RESTART AND THE LOGICAL UNIT TO BE DELETED.

IEN5206I

SYNTAX-CHECKING OF LOGICAL UNIT COMPLETE. ENTER 'GO' TO CONTINUE.

THE LOGICAL UNIT HAS BEEN CHECKED FOR SYNTAX ERRORS. THE 'GO' SUBCOMMAND WILL CAUSE GLOBAL CHECKING OF THE LOGICAL UNIT TO START. TO DELETE THE LOGICAL UNIT, ENTER A NEW UNIT OR USE THE 'DELETE' SUBCOMMAND OF 'EDIT' SUBMODE. THE 'RESUME' SUBCOMMAND WILL CAUSE EXECUTION TO RESTART AND THE LOGICAL UNIT TO BE DELETED.

IEN5207I

VALID SUBCOMMANDS ARE - 'ABOVE', 'AT', 'CMS', 'COR', 'CT', 'E', 'END', 'ER', 'GO', 'H', 'I', INSERT/REPLACE (NO KEYWORD), 'L', 'LCT', 'MON', 'NCT', 'NMON', 'NV', 'OFF', 'OP', 'Q', 'REF', 'R', 'RET', 'S', 'STEP', 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'ABOVE', 'AT', 'CMS', 'CORRECT' OR 'COR', 'COUNT' OR 'CT', 'EDIT' OR 'E', 'END', 'ERASE' OR 'ER', 'GO' (OR A NULL LINE), 'HELP' OR 'H', 'INCREMENT' OR 'I', INSERT/PLACE (NOTE NO KEYWORD), 'LIST' OR 'L', 'LISTCOUNT' OR 'LCT', 'MONITOR' OR 'MON', 'NOCOUNT' OR 'NCT', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OFF', 'OPTIONS' OR 'OP', 'QUALIFY' OR 'Q', 'REFERENCE' OR 'REF', 'RESUME' OR 'R', 'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', 'STEP', 'TSO', 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5208I

CHANGES SINCE TRANSLATION. ENTER 'GO' TO RETRANSLATE LOGICAL UNIT.

SUBCOMMANDS, ENTERED SINCE GLOBAL CHECKING OF THE LOGICAL UNIT, HAVE CAUSED THE TRANSLATION OF THE LOGICAL UNIT TO BE TERMINATED. THE 'GO' SUBCOMMAND WILL CAUSE RETRANSLATION OF THE LOGICAL UNIT. TO DELETE THE LOGICAL UNIT, ENTER A NEW UNIT OR USE THE 'DELETE' SUBCOMMAND OF 'EDIT' SUBMODE. THE 'RESUME' SUBCOMMAND WILL CAUSE EXECUTION TO RESTART AND THE LOGICAL UNIT TO BE DELETED.

IEN5209I

LOGICAL UNIT TRANSLATED. ENTER 'GO' TO CONTINUE.

THE LOGICAL UNIT HAS BEEN TRANSLATED. THE 'GO' SUBCOMMAND WILL CAUSE THE LOGICAL UNIT TO BE ATTACHED, INSERTED, OR EXECUTED. TO DELETE THE LOGICAL UNIT, ENTER A NEW UNIT OR USE THE 'DELETE' SUBCOMMAND OF 'EDIT' SUBMODE. THE 'RESUME' SUBCOMMAND WILL CAUSE EXECUTION TO RESTART AND THE LOGICAL UNIT TO BE DELETED.

IEN5210I

VALID SUBCOMMANDS ARE - 'ABOVE', 'AT', 'CMS', 'CT', 'E', 'END', 'ER', 'GO', 'H', 'I', INSERT/REPLACE (NO KEYWORD), 'L', 'LCT', 'MON', 'NCT', 'NMON', 'NV', 'OFF',

'OP', 'Q', 'REF', 'R', 'RET', 'S', 'STEP', 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'ABOVE', 'AT', 'CMS', 'COUNT' OR 'CT', 'EDIT' OR 'E', 'END', 'ERASE' OR 'ER', 'GO' (OR A NULL LINE), 'HELP' OR 'H', 'INCREMENT' OR 'I', INSERT/REPLACE (NOTE NO KEYWORD), 'LIST' OR 'L', 'LISTCOUNT' OR 'LCT', 'MONITOR' OR 'MON', 'NOCOUNT' OR 'NCT', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OFF', 'OPTIONS' OR 'OP', 'QUALIFY' OR 'Q', 'REFERENCE' OR 'REF', 'RESUME' OR 'R', 'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', 'STEP', 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5211I LOGICAL UNIT EXISTS. ENTER 'GO' TO TRANSLATE IT.

A LOGICAL UNIT EXISTS. THE 'GO' SUBCOMMAND WILL CAUSE THE LOGICAL UNIT TO BE TRANSLATED. TO DELETE THE LOGICAL UNIT, ENTER A NEW UNIT OR USE THE 'DELETE' SUBCOMMAND OF 'EDIT' SUBMODE. THE 'RESUME' SUBCOMMAND WILL CAUSE EXECUTION TO RESTART AND THE LOGICAL UNIT TO BE DELETED.

IEN5212I STOPPED DURING EXECUTION. IMMEDIATE PL/I VALID. ENTER 'GO' TO CONTINUE.

THE PROGRAM HAS STOPPED DURING EXECUTION. THE 'GO' SUBCOMMAND WILL CAUSE EXECUTION TO RESTART.

IEN5213I 'EDIT UNIT' SUBMODE. ENTER 'END' TO TERMINATE SUBMODE OR 'GO' TO TRANSLATE LOGICAL UNIT.

'EDIT UNIT' SUBMODE. USE THE 'END' SUBCOMMAND TO TERMINATE 'EDIT', OR THE 'GO' SUBCOMMAND TO CAUSE TRANSLATION OF THE CURRENT LOGICAL UNIT.

IEN5214I VALID SUBCOMMANDS ARE - 'C', 'DEL', 'END', 'ER', 'F', 'GO', 'G', 'H', 'I', INSERT/REPLACE (NO KEYWORD), 'L', 'NV', 'OP', 'RENUM', 'RET', 'S', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CHANGE' OR 'C', 'DELETE' OR 'DEL', 'END', 'ERASE' OR 'ER', 'FIND' OR 'F', 'G' (OR A NULL LINE), 'GROUP' OR 'G', 'HELP' OR 'H', 'INCREMENT' OR 'I', INSERT/REPLACE (NOTE NO KEYWORD), 'LIST' OR 'L', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'RENUMBER' OR 'RENUM', 'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5215I 'EDIT SOURCE' SUBMODE. ENTER 'END' TO TERMINATE SUBMODE.

'EDIT SOURCE' SUBMODE. USE THE 'END' SUBCOMMAND TO TERMINATE 'EDIT'. THE 'GO' SUBCOMMAND IS INVALID.

IEN5216I VALID SUBCOMMANDS ARE - 'C', 'DEL', 'END', 'F', 'H',

'I', INSERT/REPLACE (NO KEYWORD), 'L', 'NV', 'OP',  
'RENUM', 'RET', 'S', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CHANGE' OR  
'C', 'DELETE' OR 'DEL', 'END', 'FIND' OR 'F', 'HELP' OR  
'H', 'INCREMENT' OR 'I', INSERT/REPLACE (NOTE NO  
KEYWORD), 'LIST' OR 'L', 'NOVERIFY' OR 'NV', 'OPTIONS'  
OR 'OP', 'RENUMBER' OR 'RENUM', 'RETRANSLATE' OR 'RET',  
'SAVE' OR 'S', AND 'VERIFY' OR 'V'. TO OBTAIN  
INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H'  
FOLLOWED BY THE SUBCOMMAND NAME.

IEN5217I 'TSO' SUBMODE. ENTER 'END' TO TERMINATE SUBMODE.

'TSO' SUBMODE. USE THE 'END' SUBCOMMAND TO TERMINATE  
THIS SUBMODE. THE 'GO' SUBCOMMAND IS INVALID.

IEN5218I TSO commands allowed are - 'ALLOC', 'ATTR', 'D',  
'FREE', 'H', 'L', 'LISTA', 'LISTC', 'LISTD', 'PROT',  
'REN', 'SE', AND 'TERM'.

THEN FOLLOWING TSO COMMANDS, AND THEIR ABBREVIATIONS,  
ARE ALLOWED - 'ALLOCATE', 'ATTRIB', 'DELETE', 'FREE',  
'HELP', 'LIST', 'LISTALC', 'LISTCAT', 'LISTDS',  
'PROTECT', 'RENAME', 'SEND', AND 'TERMINAL'. NOTE:  
'HELP HELP' WILL GIVE INFORMATION ABOUT THE CHECKER  
'HELP' SUBCOMMAND. TO OBTAIN INFORMATION ABOUT THE TSO  
'HELP' COMMAND A FURTHER OPERAND MUST BE ENTERED.

IEN5219I LOGICAL UNIT EXISTS. ENTER 'GO' TO TRANSLATE IT.

A LOGICAL UNIT EXISTS, AND THE 'QUALIFY' SUBCOMMAND HAS  
BEEN SPECIFIED WITH AN INACTIVE PROCEDURE. IMMEDIATE-  
MODE PL/I IS NOT ALLOWED. THE 'GO' SUBCOMMAND WILL  
CAUSE THE LOGICAL UNIT TO BE TRANSLATED. TO DELETE THE  
LOGICAL UNIT, ENTER A NEW UNIT OR USE THE 'DELETE'  
SUBCOMMAND OF 'EDIT' SUBMODE. THE 'RESUME' SUBCOMMAND  
WILL CAUSE EXECUTION TO RESTART AND THE LOGICAL UNIT TO  
BE DELETED.

IEN5220I 'QUALIFY' WITH INACTIVE PROCEDURE SPECIFIED. IMMEDIATE  
PL/I NOT ALLOWED. ENTER 'GO' TO CONTINUE.

THE PROGRAM HAS STOPPED DURING EXECUTION, AND THE  
'QUALIFY' SUBCOMMAND HAS BEEN SPECIFIED WITH AN  
INACTIVE PROCEDURE. IMMEDIATE-MODE PL/I IS NOT  
ALLOWED. THE 'GO' SUBCOMMAND WILL CAUSE EXECUTION TO  
RESTART.

IEN5221I LIMBO STATE. 'GO' INVALID.

LIMBO STATE. TRANSLATION OR EXECUTION MAY NOT BE  
CONTINUED. THE 'GO' SUBCOMMAND IS INVALID.

IEN5222I VALID SUBCOMMANDS ARE - 'CMS', 'E', 'END', 'H', 'I',  
'L', 'MON', 'NMON', 'NV', 'OP', 'RET', 'S', 'TSO', AND  
'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'EDIT'

OR 'E', 'END', 'HELP' OR 'H', 'INCREMENT' OR 'I', 'LIST' OR 'L', 'MONITOR' OR 'MON', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5223I UNRECOVERABLE ERROR. 'GO' INVALID.

AN UNRECOVERABLE ERROR HAS OCCURRED. PROCESSING CANNOT BE CONTINUED. THE 'GO' SUBCOMMAND IS INVALID.

IEN5224I VALID SUBCOMMANDS ARE - 'CMS', 'END', 'H', 'L', 'NV', 'RET', 'S', 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'END', 'HELP' OR 'H', 'LIST' OR 'L', 'NOVERIFY' OR 'NV', 'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5225I LOGICAL UNIT INCOMPLETE. 'GO' IS INVALID. ENTER 'E' TO EDIT THE LOGICAL UNIT.

A LOGICAL UNIT IS BEING CHECKED FOR SYNTAX ERRORS. THERE ARE 'DO' OR 'BEGIN' STATEMENTS WITH NO MATCHING 'END' STATEMENTS. THE 'GO' SUBCOMMAND IS INVALID. TO TERMINATE SYNTAX CHECKING, EITHER ENTER THE APPROPRIATE NUMBER OF 'END' STATEMENTS TO COMPLETE THE LOGICAL UNIT, OR ENTER 'EDIT UNIT' SUBMODE TO MODIFY THE LOGICAL UNIT.

IEN5226I LOGICAL UNIT INCOMPLETE. 'GO' WILL BECOME PART OF AT-UNIT. ENTER 'E' TO EDIT THE LOGICAL UNIT.

A LOGICAL UNIT IS BEING CHECKED FOR SYNTAX ERRORS. THERE ARE 'DO' OR 'BEGIN' STATEMENTS WITH NO MATCHING 'END' STATEMENTS. THE 'GO' SUBCOMMAND, IF ENTERED, WILL BECOME PART OF THE AT-UNIT AND WILL BE EXECUTED WHEN THE AT-UNIT IS EXECUTED. TO TERMINATE SYNTAX CHECKING EITHER ENTER THE APPROPRIATE NUMBER OF 'END' STATEMENTS TO COMPLETE THE LOGICAL UNIT, OR ENTER 'EDIT UNIT' SUBMODE TO MODIFY THE LOGICAL UNIT.

IEN5227I SOURCE BEING LISTED. ENTER 'GO' TO CONTINUE.

THE SOURCE PROGRAM IS BEING LISTED. THE 'GO' SUBCOMMAND WILL CAUSE LISTING OF THE SOURCE PROGRAM TO CONTINUE.

IEN5228I FORMATTED SOURCE BEING LISTED. ENTER 'GO' TO CONTINUE.

THE FORMATTED SOURCE PROGRAM IS BEING LISTED. THE 'GO' SUBCOMMAND WILL CAUSE LISTING OF THE FORMATTED SOURCE TO CONTINUE.

IEN5229I

VALID SUBCOMMANDS ARE - 'CMS', 'END', 'GO', 'H', 'MON',  
'NMON', 'NV', 'OP', 'RET' (WITH 'DA'/'FILE' OPERAND),  
'TSO', AND 'V'.

'NMON', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP',  
'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', 'TSO', AND  
'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY  
SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE  
SUBCOMMAND NAME.

IEN5223I

UNRECOVERABLE ERROR. 'GO' INVALID.

AN UNRECOVERABLE ERROR HAS OCCURRED. PROCESSING CANNOT  
BE CONTINUED. THE 'GO' SUBCOMMAND IS INVALID.

IEN5224I

VALID SUBCOMMANDS ARE - 'CMS', 'END', 'H', 'L', 'NV',  
'RET', 'S', 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'END',  
'HELP' OR 'H', 'LIST' OR 'L', 'NOVERIFY' OR 'NV',  
'RETRANSLATE' OR 'RET', 'SAVE' OR 'S', 'TSO', AND  
'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY  
SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE  
SUBCOMMAND NAME.

IEN5225I

LOGICAL UNIT INCOMPLETE. 'GO' IS INVALID. ENTER 'E'  
TO EDIT THE LOGICAL UNIT.

A LOGICAL UNIT IS BEING CHECKED FOR SYNTAX ERRORS.  
THERE ARE 'DO' OR 'BEGIN' STATEMENTS WITH NO MATCHING  
'END' STATEMENTS. THE 'GO' SUBCOMMAND IS INVALID. TO  
TERMINATE SYNTAX CHECKING, EITHER ENTER THE APPROPRIATE  
NUMBER OF 'END' STATEMENTS TO COMPLETE THE LOGICAL  
UNIT, OR ENTER 'EDIT UNIT' SUBMODE TO MODIFY THE  
LOGICAL UNIT.

IEN5226I

LOGICAL UNIT INCOMPLETE. 'GO' WILL BECOME PART OF AT-  
UNIT. ENTER 'E' TO EDIT THE LOGICAL UNIT.

A LOGICAL UNIT IS BEING CHECKED FOR SYNTAX ERRORS.  
THERE ARE 'DO' OR 'BEGIN' STATEMENTS WITH NO MATCHING  
'END' STATEMENTS. THE 'GO' SUBCOMMAND, IF ENTERED,  
WILL BECOME PART OF THE AT-UNIT AND WILL BE EXECUTED  
WHEN THE AT-UNIT IS EXECUTED. TO TERMINATE SYNTAX  
CHECKING EITHER ENTER THE APPROPRIATE NUMBER OF 'END'  
STATEMENTS TO COMPLETE THE LOGICAL UNIT, OR ENTER 'EDIT  
UNIT' SUBMODE TO MODIFY THE LOGICAL UNIT.

IEN5227I

SOURCE BEING LISTED. ENTER 'GO' TO CONTINUE.

THE SOURCE PROGRAM IS BEING LISTED. THE 'GO'  
SUBCOMMAND WILL CAUSE LISTING OF THE SOURCE PROGRAM TO  
CONTINUE.

IEN5228I

FORMATTED SOURCE BEING LISTED. ENTER 'GO' TO CONTINUE.

THE FORMATTED SOURCE PROGRAM IS BEING LISTED. THE 'GO'  
SUBCOMMAND WILL CAUSE LISTING OF THE FORMATTED SOURCE  
TO CONTINUE.

IEN5229I

VALID SUBCOMMANDS ARE - 'CMS', 'END', 'GO', 'H', 'MON',  
'NMON', 'NV', 'OP', 'RET' (WITH 'DA'/'FILE' OPERAND),  
'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'END', 'GO' (OR A NULL LINE), 'HELP' OR 'H', 'MONITOR' OR 'MON', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'RETRANSLATE' OR 'RET' (WITH THE 'DATASET'/'FILE' OPERAND), 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5230I

VALID SUBCOMMANDS ARE - 'CMS', 'CT', 'END', 'GO', 'H', 'LCT', 'MON', 'NCT', 'NMON', 'NV', 'OP', 'R', 'RET' (WITH 'DA'/'FILE' OPERAND), 'STEP', 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'COUNT' OR 'CT', 'END', 'GO' (OR A NULL LINE), 'HELP' OR 'H', 'LISTCOUNT' OR 'LCT', 'MONITOR' OR 'MON', 'NOCOUNT' OR 'NCT', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'RESUME' OR 'R', 'RETRANSLATE' OR 'RET' (WITH THE 'DATASET'/'FILE' OPERAND), 'STEP', 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5231I

VALID SUBCOMMANDS ARE - 'CMS', 'END', 'H', 'MON', 'NMON', 'NV', 'OP', 'RET' (WITH 'DA'/'FILE' OPERAND), 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'END', 'HELP' OR 'H', 'MONITOR' OR 'MON', 'NOMONITOR' OR 'NMON', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'RETRANSLATE' OR 'RET' (WITH THE 'DATASET'/'FILE' OPERAND), 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5232I

VALID SUBCOMMANDS ARE - 'CMS', 'END', 'H', 'NV', 'RET' (WITH 'DA'/'FILE' OPERAND), 'TSO', AND 'V'.

THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'END', 'HELP' OR 'H', 'NOVERIFY' OR 'NV', 'RETRANSLATE' OR 'RET' (WITH THE 'DATASET'/'FILE' OPERAND), 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5233I

SOURCE PROGRAM LISTED. ENTER 'GO' TO CONTINUE.

THE SOURCE PROGRAM HAS BEEN LISTED. THE 'GO' SUBCOMMAND WILL CAUSE SYNTAX CHECKING OF THE SOURCE PROGRAM TO START.

IEN5234I

FORMATTED SOURCE PROGRAM LISTED. ENTER 'GO' TO CONTINUE.

THE FORMATTED SOURCE PROGRAM HAS BEEN LISTED. THE 'GO' SUBCOMMAND WILL CAUSE SYNTAX CHECKING OF THE SOURCE PROGRAM TO START.

IEN5235I

'MACRO' PASS COMPLETE. ENTER 'GO' TO CONTINUE.

'MACRO' PROCESSING IS COMPLETE. THE 'GO' SUBCOMMAND WILL CAUSE LISTING OF THE SOURCE PROGRAM TO START.

IEN5236I

NO CHECKER PROCEDURES. VALID SUBCOMMANDS ARE - 'CMS', 'END', 'GO', 'H', 'NV', 'OP', 'STEP', 'TSO', AND 'V'.

EITHER THE CURRENT TASK CONTAINS NO PROCEDURES COMPILED BY THE CHECKOUT COMPILER, OR STATIC INITIALIZATION FOR THE CHECKOUT COMPILED PROCEDURE IS NOT YET COMPLETE. THE FOLLOWING SUBCOMMANDS ARE ALLOWED - 'CMS', 'END', 'GO' (OR A NULL LINE), 'HELP' OR 'H', 'NOVERIFY' OR 'NV', 'OPTIONS' OR 'OP', 'STEP', 'TSO', AND 'VERIFY' OR 'V'. TO OBTAIN INFORMATION ABOUT ANY SUBCOMMAND, ENTER 'HELP' OR 'H' FOLLOWED BY THE SUBCOMMAND NAME.

IEN5237I

COMPILER OPTIONS PROCESSED. ENTER 'GO' TO CONTINUE.

THE COMPILER OPTIONS HAVE BEEN PROCESSED. THE 'GO' SUBCOMMAND WILL CAUSE LISTING OF THE SOURCE PROGRAM TO START.

IEN5238I

SYNTAX CHECKING OF LOGICAL UNIT COMPLETE. ENTER 'GO' TO RETRANSLATE IT.

THE LOGICAL UNIT HAS BEEN CHECKED FOR SYNTAX ERRORS. TRANSLATION OF THE LOGICAL UNIT CANNOT CONTINUE FOR THE REASONS GIVEN IN PREVIOUS MESSAGES. THE 'GO' SUBCOMMAND WILL CAUSE RETRANSLATION OF THE LOGICAL UNIT. TO DELETE THE LOGICAL UNIT, ENTER A NEW UNIT OR USE THE 'DELETE' SUBCOMMAND OF 'EDIT' SUBMODE. THE 'RESUME' SUBCOMMAND WILL CAUSE EXECUTION TO RESTART AND THE LOGICAL UNIT TO BE DELETED.

IEN5239I

SYNTAX CHECKING COMPLETE. 'GO' WILL TERMINATE TRANSLATION.

THE SOURCE PROGRAM HAS BEEN CHECKED FOR SYNTAX ERRORS. TRANSLATION CANNOT CONTINUE FOR THE REASONS GIVEN IN PREVIOUS MESSAGES. THE 'GO' SUBCOMMAND WILL TERMINATE THIS TRANSLATION.

IEN5240I

'CMS' SUBMODE. ENTER 'END' TO TERMINATE SUBMODE. OTHER COMMANDS, EXCEPT 'HELP', PASSED TO CMS.

'CMS' SUBMODE. USE THE 'END' SUBCOMMAND TO TERMINATE THIS SUBMODE. ANY OTHER COMMAND, EXCEPT 'HELP', WILL BE PASSED TO CMS FOR EXECUTION. CMS WILL NOT LOAD ANY PROGRAM WHICH WOULD OVERWRITE THE CHECKOUT COMPILER.

## Unnumbered Messages

The following messages are produced only at the terminal when using the Checkout Compiler in the conversational mode. They consist mainly of information about the effect of subcommands.

nnn STATEMENTS COPIED.

Explanation: This message is produced when the GROUP subcommand has successfully terminated, unless only one statement was specified.

nnn STATEMENTS DELETED, nnn THRU nnn.

Explanation: This message is produced when the DELETE subcommand has successfully terminated.

nnn LINES DELETED, nnn THRU nnn.

Explanation: This message is produced when the DELETE subcommand has been successfully completed.

EXECUTION TERMINATED.

Explanation: Execution has been terminated because of a YES or Y response to message number IEN4512A.

NO EXECUTION.

Explanation: No execution will take place after translation, because of a YES or Y response to message number IEN4513A.

NO LOGICAL UNIT.

Explanation: There is no logical unit to edit.

nnn STATEMENTS IN LOGICAL UNIT.

Explanation: This message is produced after a logical unit has been generated automatically by the CHANGE or DELETE subcommands.

EDIT ENDED.

Explanation: EDIT submode has ended. No automatic action is taken by the compiler.

EDIT ENDED. ENTER NEW UNIT.

Explanation: EDIT submode has ended. The compiler is

waiting for further input.

EDIT ENDED. RETRANSLATING.

Explanation: EDIT submode has ended. The current logical unit is being retranslated.

EDIT ENDED. TRANSLATION CONTINUES.

Explanation: EDIT submode has ended. The translation of the current logical unit continues.

LOGICAL UNIT DELETED.

Explanation: This message is produced when the whole logical unit is deleted.

Example:

```
E? GROUP 20 100
9 STATEMENTS COPIED
E? DELETE
LOGICAL UNIT DELETED
```

'SOURCE' OPERAND ASSUMED.

Explanation: The user has entered the EDIT subcommand during primary translation.

SAVED.

Explanation: This message is printed when the current source has been saved in the specified data set in response to the SAVE subcommand.

NO CORRECTIONS AVAILABLE.

Explanation: Either there are no corrections resulting from this syntax check, or all corrections were accepted previously.

ALL CORRECTIONS MADE.

Explanation: The CORRECT subcommand has terminated, and there are no more corrections to be made.

ALL REMAINING CORRECTIONS DELETED.

Explanation: If a correction file has been generated by a translation (primary or secondary) and the source corresponding to this file has been modified by CHANGE, DELETE, insert, replace, or RENUMBER, then the correction file is deleted.

1 STATEMENT DELETED, nnn.

Explanation: This message is produced when the DELETE subcommand has successfully terminated and one statement only has been deleted.

1 LINE DELETED, nnn.

Explanation: This message is produced when the DELETE subcommand has successfully terminated and one line only has been deleted.

TRANSLATING LOGICAL UNIT

Explanation: A GO subcommand has been entered in response to a ? prompt when a logical unit exists. It causes the logical unit to be translated.

LOGICAL UNIT.

Explanation: The user has specified LIST without the SOURCE operand, when not in EDIT SOURCE submode. The logical unit is listed instead of the current source.

NO ATTACHED 'AT' OR 'ABOVE' UNITS.

Explanation: The user has specified LIST MOD, and there are no attached AT or ABOVE units.

NO 'AT', 'ABOVE', OR IMMEDIATE - MODE UNITS.

Explanation: The user has specified LIST T, and there are no AT or ABOVE units, nor any immediate - mode source.

NO SIGNIFICANT TEXT.

Explanation: This is a progress message. It appears if a CHANGE or DELETE has been done, the VERIFY option is on, the COMMENT operand was not specified, and there is only blank or comment text on the line to be listed.

NO TEXT TO LIST.

## Part II: PL/I Prompter (IKJ) Messages

This part lists the messages that can be produced by the PL/I prompter, which is used to invoke the PL/I checkout compiler in a TSO environment, and provides further explanation of the message texts.

### Format of PL/I Prompter Messages

The format of the messages produced by the prompter is:

{message-number} text

Each message number is of the form IKJ65nnn[I|A] where "IKJ65" indicates that the message is a PL/I prompter message, and "nnn" is the number of the message. The final character "I" or "A" indicates whether the message is informative or whether some action is necessary for the prompter to continue.

The message number is printed only if a request that messages are to include such identifiers has been made, either when your user-identification was added to the system or in a subsequent PROFILE command.

The text describes the error that has been detected. If the text ends with a plus sign, it is possible to obtain an additional message, containing more information, by entering a question mark. In some cases, the additional message can have several forms, depending on the error.

If a message ending in a plus sign is accompanied by message IKJ65045A ("REENTER..."), you need not fulfill the request to reenter before entering a question mark to obtain further information. But although message IKJ65045A will not be reissued, its request must nevertheless be fulfilled in due course before the prompter can continue.

To correct an error you may need to refer to the TSO manual for the checkout compiler. If, at any time, you want to terminate the prompter, in order, for example, to enter another command, press the ATTN key (or its equivalent).

The messages are formatted in this publication as they will appear on the terminal except that page width restricts line length to 72 characters, whereas on a terminal, up to 120 characters can be used. The entry for each message number in the following list includes all texts associated with that number. That is, the original text (sometimes this has two forms) plus any additional texts that may be obtained by entering a question mark.

### Symbols in Messages

Many of the messages reproduced in this part contain symbols where information will be inserted when the message is printed. The symbols used are:

ddd a name taken from the PLI or RUN OPT command that was used to invoke the prompter.

xxx a name or number generated by the prompter.

## **Before Calling IBM...**

If you consider that a message has been produced erroneously, then before calling IBM for programming support, retain the listing produced at the terminal and inform the TSO operator, who is required to generate other diagnostic information for messages relating to data set allocation.

IKJ65001I DATA SET ddd NOT ALLOCATED, TOO MANY DATA SETS+.  
UTILITY DATA SET NOT ALLOCATED, TOO MANY DATA SETS+.  
USE FREE COMMAND TO FREE UNUSED DATA SETS.

Explanation: A data set required by the checkout compiler cannot be allocated because insufficient DD statements are included in the LOGON procedure. Allocation may be possible if you can free data sets used for any previous operations.

You can determine the number of data sets that need to be freed because the data sets are allocated, if required, for the files in the following order: SYSCIN, SYSLIN, SYSITEXT, SYSPRINT, SYSFORM, SYSPUNCH, SYSLIB, SYSUT1, and SYSUT2. You may need to refer to the data set naming conventions to find with which file the specified data set name is associated.

IKJ65002I DATA SET ddd NOT ALLOCATED, DATA SET NOT ON VOLUME+.  
CATALOG INFORMATION INCORRECT.

Explanation: The data set cannot be found on the volume specified in the operating system's data set catalog. It is possible that the data set has been deleted or moved to another volume by a utility program, without altering the catalog entry. Reenter another data set name. If you enter a null line, the default data set name will be assumed, except for the primary input data set and data sets specified in the LIB operand. If no alternative data set can be used, or if the error persists, consult your system operations personnel.

IKJ65003I DATA SET ddd NOT ALLOCATED, REQUIRED VOLUME NOT MOUNTED+.  
VOLUME OR CVOL NOT ON SYSTEM AND CANNOT BE ACCESSED.

Explanation: The data set cannot be found because the volume on which it resides, or the volume containing index information (the control volume) is not mounted ready for use. Reenter the name of a data set that resides on a volume that is mounted. If you enter a null line, the default data set name will be assumed, except for the primary input data set and data sets specified in the LIB operand. If no alternative data set can be used, or if it is the control volume that is not mounted, request the system operator to mount the volume required.

IKJ65004I DATA SET ddd NOT ALLOCATED, SYSTEM OR INSTALLATION ERROR+.  
CATALOG ERROR CODE xxx.  
DYNAMIC ALLOCATION ERROR CODE xxx.  
CATALOG I/O ERROR.

Explanation: The data set cannot be allocated because of an error in a routine handling the data set catalog or the dynamic allocation of data sets. Reenter another data set name. If you enter a null line, the default data set name

will be assumed, except for the primary input data set or data sets specified in the LIB operand. If no alternative data set can be used, or if the error persists, consult your system maintenance personnel.

IKJ65005I DATA SET ddd NOT ALLOCATED+.  
UTILITY DATA SET NOT ALLOCATED+.  
INVALID UNIT IN USER ATTRIBUTE DATA SET.  
NO UNIT AVAILABLE.

Explanation: The data set cannot be allocated because the attributes associated with your user-identification specify a unit type that is invalid or of which none are available on your system. If you are authorized to use the ACCOUNT command, you can change the unit type associated with your user-identification. Otherwise, consult your system maintenance personnel.

IKJ65006I DATA SET ddd ALREADY IN USE, TRY LATER+.  
DATA SET IS ALREADY ALLOCATED TO ANOTHER JOB OR USER.

Explanation: The data set cannot be allocated to you because it is already allocated to another TSO user, or to another job running in the system. If all uses of the data set have the SHR status, this message will not be produced. You can either enter a null line to cause the default data set name to be applied (except for the primary input data set or data sets specified in the LIB operand), or terminate the prompter. If you terminate the prompter, you can reinvoke it specifying a different data set name, or carry on with another operation until the required data set is freed.

IKJ65007I DATA SET ddd NOT IN CATALOG.

Explanation: The data set cannot be found in the operating system's data set catalog. Check the name of the data set, taking into account the data set naming conventions used by the prompter, or check that the data set is cataloged. Reenter the correct cataloged data set name. If you enter a null line, the default data set name will be assumed, except for the primary input data set and data sets specified in the LIB operand.

IKJ65008I MEMBER ddd NOT IN DATA SET ddd.

Explanation: The member cannot be found in the partitioned data set. Check the name of the member and the data set, taking into account the data set naming conventions used by the prompter. Reenter the correct data set name plus member name. If you enter a null line, the default data set name will be assumed (without a member name), except for the primary input data set or data sets specified in the LIB operand.

IKJ65009I DATA SET ddd NOT USABLE+.

I/O SYNAD ERROR.

OPEN ERROR.

Explanation: This message applies only to partitioned data sets. The data set cannot be used because of an error detected when opening the data set, or when reading information from the data set's directory. Reenter another data set name. If you enter a null line, the default data set name will be assumed, except for the primary input data set and data sets specified in the LIB operand. If no alternative data set can be used, or if the error persists, consult your system maintenance personnel.

IKJ65010I      INVALID DATA SET NAME, ddd EXCEEDS 44 CHARACTERS.

Explanation: A qualified data set name must not exceed 44 characters. The separating periods and any qualifiers added by the prompter are included in the count. Reenter a name which forms a valid qualified data set name. If you enter a null line, the default data set name will be assumed, except for the primary input data set and data sets specified in the LIB operand.

IKJ65011I      ddd IS A DELETED OPTION AND HAS BEEN IGNORED+.

THE OPTION WAS DELETED AT SYSGEN AND IS NOT AVAILABLE FOR USE.

Explanation: The option cannot be used, because when your system was generated, it was deleted from the list of options supported by the checkout compiler. You may be able to reinstate the option temporarily by using the CONTROL option. However, at the moment, the option specified has been ignored.

IKJ65012I      NOT ENOUGH MAIN STORAGE TO EXECUTE COMMAND.

Explanation: There is insufficient main storage space available for the prompter in the region. The prompter requires much less main storage than the checkout compiler, so you need a much larger region size to use the checkout compiler successfully.

If possible, log on again with a LOGON procedure that has a region size of at least 100K bytes for the compiler, plus the space required by TSO (usually about 30K bytes). Alternatively, if you are authorized to use the ACCOUNT command, you can increase the region size for the current LOGON procedure. Otherwise, consult your system operations personnel.

IKJ65013I      COMMAND SYSTEM ERROR+.

xxx ERROR CODE xxx.

Explanation: An error has occurred in one of the TSO service routines. The routine is specified in the first insert. If this message is produced, consult your system maintenance personnel.

IKJ65014I DATA SET ddd NOT ALLOCATED, NOT ENOUGH SPACE ON VOLUMES+.

USE DELETE COMMAND TO DELETE UNUSED DATA SETS.

Explanation: One of the data sets required by the checkout compiler cannot be allocated because insufficient space exists on each of the available volumes. The prompter is terminated. The space that the prompter requests for each data set is listed in the TSO manual for the checkout compiler. Allocation may be possible if you can delete any data sets that are no longer required. You can determine the amount of space that you may need to make available because the data sets are allocated, if required, for the files in the following order: SYSCIN, SYSLIN, SYSITEXT, SYSFRINT, SYSFORM, SYSPUNCH, SYSLIB, SYSUT1, and SYSUT2. You may need to refer to the data set naming conventions to find with which file the specified data set name is associated.

IKJ65015I DATA SET ddd NOT ALLOCATED, SHARED+.

USE FREE COMMAND TO FREE THE DATA SET.

Explanation: The data set cannot be allocated because it is already allocated for this session. If all uses of the data set have the SHR status, this message will not be produced. You can either enter a null line to cause the default data set name to be applied (except for the primary input data set or data sets specified in the LIB operand), or terminate the prompter. If you terminate the prompter, you can then free the data set and invoke the prompter again. The data set will be reallocated for the checkout compiler.

IKJ65016I DATA SET ddd WILL CREATE INVALID CATALOG STRUCTURE+.

A NAME CANNOT BE BOTH AN INDEX AND THE LAST QUALIFIER OF A QUALIFIED DATA SET NAME.

Explanation: PL1.PL1 is a valid qualified data set name. The use of another data set named PL1 would create an invalid catalog structure since PL1 cannot be used both as an index and a last qualifier. You should reenter a name that will form a valid cataloged data set name.

IKJ65017I DATA SET ddd NOT ON A DIRECT-ACCESS DEVICE, NOT SUPPORTED.

Explanation: TSO does not support data sets that reside on other than direct-access devices. The operating system's data set catalog indicates that this data set resides on another type of device. You should reenter the name of a data set on a direct-access device. If you enter a null-line the default data set name will be assumed, except for the primary input data set and data sets specified in the LIB operand.

IKJ65018I DATA SET ddd RESIDES ON MULTIPLE VOLUMES, NOT SUPPORTED.

Explanation: TSO does not support data sets that reside on more than one volume. The operating system's data set catalog indicates that this data set resides on more than

one volume. You should reenter the name of a data set that resides on only one volume. If you enter a null-line, the default data set name will be assumed, except for the primary input data set and data sets specified in the LIB operand.

IKJ65019I ddd IS AN UNSUPPORTED OPTION.

Explanation: You have specified an option that is supported only by the PL/I optimizing compiler. The option is ignored.

IKJ65020I TRANSFER COUNT IN FLOW OPTION INVALID+.

VALID VALUES ARE 0 THROUGH 32767.

Explanation: The first argument of the FLOW option, which specifies the number of transfers of control that are to be included in FLOW and SNAP lists, must specify a value within the range 0 through 32767. You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65021I VALUE MUST BE ALL NUMERIC.

Explanation: The value you have reentered contains characters other than numeric digits, except for the final K in the argument of the SIZE option. Reenter the value correctly. If you enter a null line, the default value will be assumed.

IKJ65022I TRANSFER COUNT DEFAULT ASSUMED.

Explanation: You have entered a null line in response to a request to reenter the transfer count for the FLOW option.

IKJ65023I VALUE IN LINECOUNT OPTION INVALID+.

VALID VALUES ARE 10 THROUGH 32767.

Explanation: The argument of the LINECOUNT option, which specifies the number of lines for each page of the SYSPRINT file, must specify a value within the range 10 through 32767. You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65024I LINECOUNT DEFAULT ASSUMED.

Explanation: You have entered a null line in response to a request to reenter the argument of the LINECOUNT option.

IKJ65025I VALUE IN SIZE OPTION INVALID+.

VALID VALUES ARE MAX, OR 100K THROUGH 16384K.

Explanation: The argument of the SIZE option, which specifies the amount of main storage to be used by the checkout compiler, must either be MAX (indicating that the

compiler is to use all main storage available in the region) or be within the range 100K through 16384K (or the equivalent values in bytes). You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65026I SIZE DEFAULT ASSUMED.

Explanation: You have entered a null line in response to a request to reenter the argument of the SIZE option.

IKJ65027I MEMBER SPECIFIED FOR DATA SET ddd IS IGNORED+.

MEMBER NAME FOR LIB DATA SET IS TAKEN FROM %INCLUDE STATEMENT.

MEMBER NAME FOR INTERMEDIATE TEXT IS SUPPLIED BY COMPILER.

Explanation: The prompter has ignored the member name specified for a partitioned data set, either in the LIB operand or in the second argument of the OBJECT option. The LIB operand specifies one or more data sets to be used as secondary input to the preprocessor. The names of the members required from these data sets is taken from the %INCLUDE statements in the PL/I source program. The second argument of the OBJECT option specifies the data set to be used for the SYSITEXT file containing the intermediate text produced during translation. The checkout compiler will assign the member name using the name of the PL/I external procedure.

IKJ65028I DATA SET ddd IS NOT A PARTITIONED DATA SET+.

THE DATA SET FOR LIB MUST BE A PARTITIONED DATA SET.

THE DATA SET FOR THE INTERMEDIATE TEXT MUST BE A PARTITIONED DATA SET.

Explanation: Data sets specified in the LIB operand, or in the second argument of the OBJECT option, must have partitioned organization. The LIB operand specifies data sets to be used as secondary input to the preprocessor. The second argument of the OBJECT option specifies the data set for the SYSITEXT file containing the intermediate text produced during translation. You should reenter the name of a partitioned data set. If you enter a null line the LIB operand is ignored, or the default data set name is assumed for SYSITEXT.

IKJ65030I VALUE IN STEP OPTION INVALID+.

VALID VALUES ARE 1 THROUGH 99999999.

Explanation: The argument of the STEP option, which specifies the maximum number of PL/I statements that are to be executed before control is passed to the terminal, must specify a value in the range 1 through 99999999. You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65031I      STEP DEFAULT ASSUMED.

Explanation: You have entered a null line in response to a request to reenter the argument of the STEP option.

IKJ65032I      VALUE IN STEPLINES OPTION INVALID+.

VALID VALUES ARE 1 THROUGH 99999999.

Explanation: The argument of the STEPLINES option, which specifies the maximum number of lines that are to be written on the SYSPRINT file before control is passed to the terminal, must specify a value in the range 1 through 99999999. You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65033I      STEPLINES DEFAULT ASSUMED.

Explanation: You have entered a null line in response to a request to reenter the argument of the STEPLINES option.

IKJ65034I      BLOCK COUNT IN FLOW OPTION INVALID+.

VALID VALUES ARE 0 THROUGH 32767.

Explanation: The second argument of the FLOW option, which specifies the number of blocks that are to be included in FLOW and SNAP lists, must be within the range 0 through 32767. You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65035I      BLOCK COUNT DEFAULT ASSUMED.

Explanation: You have entered a null line in response to a request to reenter the block count for the FLOW option.

IKJ65036I      CHECKOUT COMPILER INVOKED.

Explanation: The prompter has invoked the PL/I checkout compiler. Any subsequent messages issued are listed in the first section of this manual.

IKJ65037I      INVALID CONTROL FIELD.

Explanation: The argument of the CONTROL option is incorrect. The correct "password" established for your installation should have been specified. Processing is terminated.

IKJ65039I      INVALID RIGHT HAND MARGIN+.

VALUE MUST BE 1 THROUGH 100.

Explanation: The second argument of the MARGINS option, which specifies the position of the right hand margin for the PL/I source program, must specify a position from 1 through 100. You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65040I MARGINS OPTION IGNORED.

Explanation: You have entered a null line in response to a request to reenter the left or right margin position. The option is ignored.

IKJ65041I INVALID LEFT HAND MARGIN+.

VALUE MUST BE LESS THAN RIGHT HAND MARGIN.

Explanation: The first argument of the MARGINS option, which specifies the position of the left hand margin for the PL/I source program, must specify a position to the left of the right hand margin (in the second argument). You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65043I INVALID PRINTER CONTROL CHARACTER POSITION+.

PRINTER CONTROL CHARACTER MUST BE OUTSIDE THE LEFT AND RIGHT MARGINS.

Explanation: The third argument of the MARGINS option, which specifies the position of a printer control character that is used to format the source listing, must specify a position outside the part of the line used by the PL/I source program. You should reenter a correct value. If you enter a null line, the default value will be assumed.

IKJ65044I PRINTER CONTROL CHARACTER POSITION DEFAULT ASSUMED.

Explanation: You have entered a null line in response to a request to reenter the printer control character position.

IKJ65045A REENTER

Explanation: The prompter is waiting for you to reenter, correctly, the erroneous item specified in the preceding message. If the preceding message ends with a plus-sign, you can still enter a question mark to get more information before reentering the item requested.

IKJ65048I INVALID ARGUMENT IN CHARSET OPTION+.

VALID ARGUMENTS ARE EBCDIC, BCD, 60, AND 48.

Explanation: You have entered the CHARSET option with an invalid argument. You should reenter the correct argument. If you enter a null line, the default form of the option will be assumed.

IKJ65049I DEFAULT DATA SET NAME ASSUMED.

Explanation: You have specified a null line in response to a request to reenter a data set name.

IKJ65050I CHARSET DEFAULT ASSUMED.

Explanation: You have entered a null line in response to a request to reenter a CHARSET argument.

IKJ65052I A DATA SET NAME MUST BE SPECIFIED FOR LIB.

Explanation: You have entered a null line in response to a request to reenter a data set name for the LIB operand. This is invalid because no default data set name can be assumed by the prompter.

IKJ65053I INVALID RIGHT HAND MARGIN IN SEQUENCE OPTION+.

THE RIGHT HAND MARGIN MUST BE 1 THROUGH 100 AND MUST NOT OVERLAP THE SOURCE PROGRAM SPECIFIED BY MARGINS.

Explanation: The second argument of the SEQUENCE option, which specifies the position of the right-hand margin for the sequence number, must specify a position, from 1 through 100, that does not cause the sequence number to overlap the source program. You should reenter a correct value. If you enter a null-line, the SEQUENCE option will be ignored.

IKJ65054I INVALID LEFT HAND MARGIN IN SEQUENCE OPTION+.

THE LEFT HAND MARGIN MUST BE LESS THAN OR EQUAL TO THE RIGHT HAND MARGIN AND MUST NOT OVERLAP THE SOURCE PROGRAM SPECIFIED BY MARGINS.

Explanation: The first argument of the SEQUENCE option, which specifies the position of the left-hand margin for the sequence number, must specify a position to the left of, or the same as, the right hand margin (in the second argument) that does not cause the sequence number to overlap the source program. You should reenter a correct value. If you enter a null-line, the SEQUENCE option is ignored.

IKJ65055I SEQUENCE OPTION IGNORED.

Explanation: You have entered a null-line in response to a request to reenter the left or right hand margin of the sequence number.

IKJ65056I INVALID NUMBER OF SUBTASKS IN ISASIZE OPTION+.

VALID VALUES ARE 1 THROUGH 255.

Explanation: The third argument of the ISASIZE option, which specifies the maximum number of subtasks that will be active at any one time during execution, must specify a number from 1 through 255. You should reenter a correct value. If you enter a null-line, the value 0 is assumed.

IKJ65057I ZERO SUBTASKS ASSUMED.

Explanation: You have entered a null-line in response to a

request to reenter the number of subtasks for the ISASIZE option.

IKJ65060I THE CHECKOUT COMPILER IS NOT ON THE SYSTEM.

Explanation: The prompter has invoked the control phase of the checkout compiler, IEN512NS, or the options checking phase, IEN476NS, but the phase cannot be found on the system link library or any private library specified for use with the system link library.

IKJ65067I MEMBER ttt SPECIFIED BUT ttt NOT A PARTITIONED DATA SET.

Explanation: You have specified a member name, but the data set does not have partitioned organization. Reenter another data set name. If you enter a null line, the default data set name will be assumed, except for the input data set and data sets specified in the LIB operand. If no alternative data set can be used, or if the error persists, consult your system operation personnel.

IKJ65068I ERRORS OPTION IGNORED.

Explanation: You have entered a null line in response to a request to reenter the error count in the ERRORS option.

IKJ65069I ARGUMENT IN ERRORS OPTION INVALID+.

VALID VALUES ARE 0 THROUGH 32767.

Explanation: The argument of the ERRORS option, which specifies the number of errors that are allowed before control is given to the terminal, must specify a value within the range 0 through 32767. You should reenter a correct value. If you enter a null line, the option is ignored.

IKJ65070I NO MEMBER SPECIFIED FOR PARTITIONED DATA SET. MEMBER TEMPNAME ASSUMED.

Explanation: A partitioned data set name has been specified when a sequential data set or member of a partitioned data set should have been specified. The member TEMPNAME has been assumed as a member of the given partitioned data set.

## Part III: PL/I CMS (DMS) Messages

This part lists the messages produced by the compiler interface module when the OS PL/I Checkout Compiler is run under the Conversational Monitor System (CMS). The messages are concerned with the use of the PLIC and PLICR commands. For further details of CMS commands, and messages originating from them, see the following IBM Virtual Machine Facility/370 publications:

Command Language User's Guide, Order No. GC20-1804

System Messages, Order No. GC20-1808

### Format of PL/I CMS Messages

Each message has a number of the form DMSPLInns, where "DMS" indicates that the message is a CMS message, "PLI" indicates that the message is produced by the PL/I compiler interface module, "nnn" is the number of the message, and "s" is the severity-level code. The messages may have one of the following severity levels:

- W - Warning message, signifying that an error has been made, but that the error is not severe enough to stop operation of the PLIC or PLICR command.
- E - Error message, signifying that an error has been made that makes it impossible to continue. The PLIC or PLICR command will have to be reentered.
- S - Severe error message. Command cannot continue. May indicate an error in installation.

There is only one form of the CMS messages; that is, there are no short and long alternative forms.

The messages listed in this part use the following syntax conventions:

- Items within brackets: [item] are optional; when the message is printed, it may include or exclude such items.
- Items within braces: {item|item} are selectively printed; either the first or the second item will be included in the message when it is printed.
- Quotes around an item: 'item' will actually form part of the message when it is printed, to indicate an inserted item.

### Symbols in Messages

Some of the messages listed in this part contain symbols indicating where the message will contain inserted information when it is printed. The symbols used are:

fn - filename

ft - filetype  
fm - filemode (mode letter and number)  
... - alphameric information  
dn - device name (mnemonic name for ccu, such as 'PUNCH',  
'DISK', 'CON', or 'TAP1')

The terms used in this section are those used in the CMS publications.

## Before Calling IBM...

If you consider that a message has been produced erroneously, then before calling IBM for programming support, retain the listing produced at the terminal and refer to Appendix C of the OS PL/I Checkout Compiler: Programmer's Guide, Order No. SC33-0007 for the requirements for problem determination and APAR submission.

## Text of Messages

DMSPLI001E NO FILENAME SPECIFIED.

Explanation: The command requires the specification of at least one file name.

DMSPLI002E FILE['fn [ft [fm]]'] NOT FOUND.

Explanation: The specified file(s) was not found.

DMSPLI003E INVALID OPTION '.....'.

Explanation: The option specified is not valid for the PLIC or PLICR command.

DMSPLI006E NO READ/WRITE DISK ACCESSED.

Explanation: The user has not accessed a read/write disk where the compiler can write its output or utility file(s).

DMSPLI038E FILEID CONFLICT FOR DDNAME '.....'.

Explanation: A FILEDEF is already in effect for the specified DDNAME, and is incompatible with the requirements of the PLIC or PLICR command. Use QUERY FILEDEF to check which FILEDEFs are in effect before reissuing the PLIC or PLICR command.

DMSPLI044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM.

Explanation: The maximum record length for the primary input file is 100 characters.

DMSPLI052E MORE THAN 100 CHARS OF OPTIONS SPECIFIED.

Explanation: The maximum length of the options string which can be specified on a PLIC or PLICR command is 100 characters. If this is insufficient for the options required, most options can be specified on a \* PROCESS statement. Note however that the options GOLIB, SIZE, and PRINT/DISK/TYPE/NOPRINT can be specified only on the PLIC or PLICR command. Also, the options FORMAT, MACRO, MDECK, and OBJECT should be specified on the command rather than on a \* PROCESS statement, unless a FILEDEF command has been issued for the files produced by these options.

DMSPLI070E INVALID PARAMETER '....'.

Explanation: The specified parameter is not a valid option for the PLIC or PLICR command.

DMSPLI074W ERROR {SETTING|RESETTING} AUXILIARY DIRECTORY.

Explanation: The compiler is unable to use its Auxiliary Directory correctly. This may be due to incorrect installation or to incorrect accessing of the disk on which the compiler resides. Consult your systems programmer.

DMSPLI075E DEVICE 'dn' ILLEGAL FOR INPUT.

Explanation: In a FILEDEF the primary input file has been assigned to a device which cannot be used for input. Only DISK, READER and TAPi (where i is 1, 2, 3, or 4) can be used.

DMSPLI250E ERROR DETECTED LOADING SPECIFIED TEXT FILES.

Explanation: An error has occurred while loading the text files specified in the PLICR command. Execution has been terminated. Check the existence of the text files required by the PLICR command.

DMSPLI250W ERROR DETECTED LOADING SPECIFIED TEXT FILES.

Explanation: As for previous message, but execution can be allowed to continue. Further errors may occur during execution.

DMSPLI251W INPUT BEGINNING '....' IGNORED.

Explanation: Input occurs after a right parenthesis which closes the option string.

DMSPLI252S ERROR OCCURRED LOADING PREPROCESSOR PHASE '....' EXECUTION TERMINATED.

Explanation: An error has occurred while attempting to load one of the phases of the compiler's Macro Preprocessor. This may be due to incorrect installation. Consult your systems programmer.

**OS PL/I Checkout Compiler:  
Messages**

**Order No. SC33-0034-2**

**Reader's  
Comment  
Form**

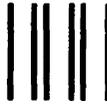
Your comments about this publication will help us to improve it for you. Comment in the space below, giving specific page and paragraph references whenever possible. All comments become the property of IBM.

Please do not use this form to ask technical questions about IBM systems and programs or to request copies of publications. Rather, direct such questions or requests to your local IBM representative.

If you would like a reply, please provide your name and address (including ZIP code).

**Fold on two lines, staple, and mail.** No postage necessary if mailed in the U.S.A. (Elsewhere, any IBM representative will be happy to forward your comments.) Thank you for your cooperation.

Fold and Staple



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

**BUSINESS REPLY MAIL**  
FIRST CLASS PERMIT NO. 40 ARMONK, N.Y.

POSTAGE WILL BE PAID BY ADDRESSEE:

IBM Corporation  
P.O. Box 50020  
Programming Publishing  
San Jose, California 95150



Fold and Staple





This Newsletter No. SN33-6170  
Date October, 1976

Base Publication No. SC33-0034-1,-2  
File No. S360/S370-29

Previous Newsletters SN33-6106 (for -1 only)  
SN33-6128 (for -1 only)

## OS PL/I Checkout Compiler: Messages

© IBM Corp. 1971,1972,1973,1974,1975,1976

This Technical Newsletter, a part of Version 1, Release 3, Modification 0 of the IBM OS PL/I Checkout Compiler, provides replacement pages for the subject publication. These replacement pages remain in effect for subsequent versions, releases, and modifications of the compiler unless specifically altered. Pages to be inserted and/or removed are:

Front cover/Edition notice	149,150
7,8	153-158
8.1 (added)	167,168
11,12	173-176
15,16	176.1-176.4 (added)
16.1 (added)	181-188
31,32	188.1-188.3 (added)
35,36	197-200
57,58	200.1 (added)
65,66	203-210
66.1 (added)	210.1-210.4 (added)
85,86	213,214
97,98	217,218
99,100	227,228
100.1 (added)	228.1 (added)
105-110	233-236
127,128	236.1 (added)
133,134	239-241
	Reader's comment form

A change to the text is indicated by a vertical line to the left of the change.

*continued overleaf...*

IBM United Kingdom Laboratories Ltd, Publications Dept, Hursley Park, Winchester, Hants, England.

**Summary of Amendments**

Changes for Release 3 of the compiler and general updating of the manual.

**Note:** *Please file this cover letter at the back of the manual to provide a record of the changes.*

