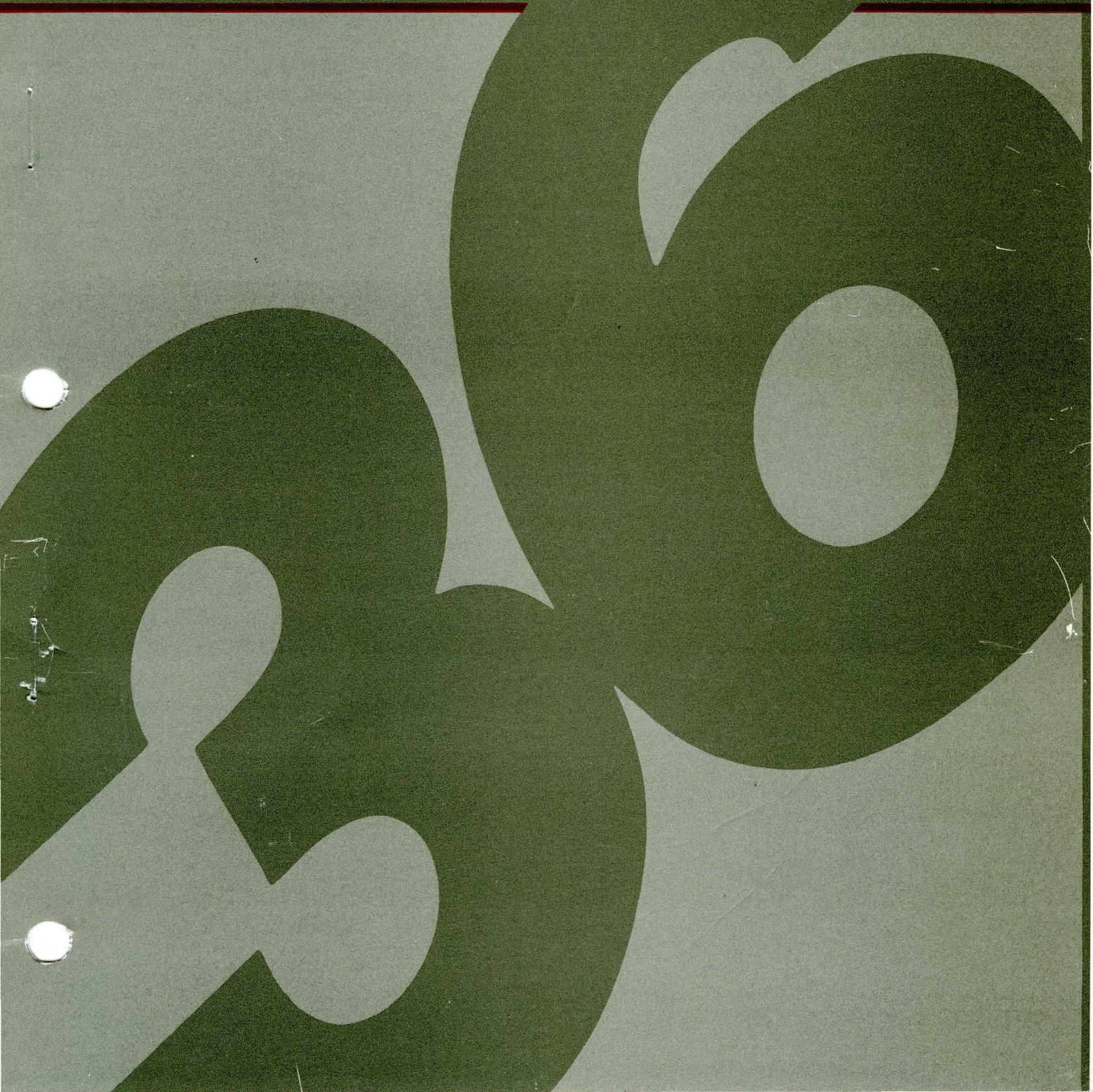


 System/36

# RPG II Messages



**When You Are:**

Planning to  
Install Your  
Computer

Getting Your  
Computer  
Ready to Use

Operating  
Your  
System

Operating and  
Using the  
Utilities

Programming  
Your  
Computer

Communicating  
with Another  
Computer or  
Remote Device

Determining  
the Cause  
of a Problem

**You Can Find Information In:**

What to Do Before Your Computer Arrives  
or  
Converting from System/34 to System/36

Setting Up Your Computer  
Performing the First System Configuration For Your System  
System Security Guide

Learning About Your Computer  
Operating Your System

Source Entry Utility Guide  
Data File Utility Guide  
Creating Displays  
Work Station Utility Guide  
Utilities Messages

Concepts and Programmer's Guide  
System Reference  
Sort Guide  
Work Station Utility Guide  
Programming with RPG II  
RPG II Messages

(communication manuals)  
(communication message manuals)

System Messages  
RPG II Messages  
System Problem Determination

**IBM** System/36

**RPG II Messages**

**Program Number 5727 - RG1**

**Program Number 5727 - RG6**

**File Number  
S36-28**

**Order Number  
SC21-7940-4**

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## About This Manual

### Who should use this manual . . .

This manual lists and describes all RPG II messages that are printed or displayed. This manual is intended to help the display station operator, the system operator, or the programmer respond to these messages or decide whom to contact for further help.

### How this manual is arranged . . .

This manual has three parts:

- Introduction, which describes the format of printed and displayed messages.
- Compiler Diagnostic Messages, which describes all diagnostic RPG II messages that are displayed or printed at compile time.

Auto Report messages grouped together within this section are printed at Auto Report program compile time.

- Displayed Messages, which describes all RPG II messages that are displayed at run time.

Though the message numbers RPG-0100 through RPG-0109 are used for the Compiler Diagnostic Messages as well, the *Displayed Messages* RPG-0100 through RPG-0109 are reserved for *user-specified* messages issued when Halt Indicators H1 through H9 are on. For this reason these messages are omitted in the *Displayed Messages* part of the book. For the information on how to create and use these messages, see *Using a Message Member* in Chapter 9 and *Halt Indicators* in Chapter 12 of the *IBM System/36 Programming with RPG II* manual, SC21-9006.

## What you should know . . .

Before you use this manual, you should be familiar with RPG II programming. That information is contained in the *IBM System/36 Programming with RPG II* manual, SC21-9006.

## If you need more information . . .

*System Messages*, SC21-7938, describes the System/36 printed and displayed messages.

*Utilities Messages*, SC21-7939, describes the messages for the System/36 utilities.

Chapter 32 (*Problem Determination*) in the *Programming with RPG II* manual, SC21-9006, can help you solve or circumvent your problem. *System Problem Determination*, SC21-7919 for the 5360 System Unit, *System Problem Determination*, SC21-9063 for the 5362 System Unit, or *System Problem Determination - 5364*, SC21-9375 for the 5364 System Unit explains how to determine whether a problem is in an IBM product or in your program. It also contains the *Problem Summary Form*, and can help you prepare all the information required before contacting your service representative.

# Chapter 1. Introduction

## Format of Compiler Diagnostic Messages

Compiler diagnostic messages described in this manual have the following format:

Message Identification Code    Message Text

Severity

Specification Type

Explanation

### Message Identification Code

The message identification code includes the characters RPG, a dash, and a four-digit number. (For auto report messages, the message identification code includes the characters NOTE, a dash, and a three-digit number). Messages are listed in ascending numeric order.

### Message Text

The message text in the manual matches the message text printed by the RPG II compiler.

### Severity

The severity level (warning or terminal) indicates how serious the error is that caused the message.

### W (Warning)

An abnormal condition exists, though you still can compile and run your program.

## **T (Terminal)**

An error condition exists that requires corrective action before the system can compile your program. The program cannot run if it contains terminal errors.

## **Specification Type**

The specification type indicates the type of RPG specification (H, F, E, L, T; I, C, U, /COPY, or not applicable) on which the error occurred that caused the message.

## **Explanation**

The explanation describes the reason for the message and indicates what action should be taken in order to correct the problem or to continue. In some cases the message text is self-explanatory, and no explanation is provided.

## **Format of Displayed Messages**

Displayed messages described in this manual have the following format:

Message Identification Code Message Text [Variable Data]

Severity Auto Response

Explanation

Additional Information

User Response

## **Message Identification Code**

The message identification code includes the characters RPG, a dash, and a four-digit number. Messages are listed in ascending numeric order.

## **Message Text**

The message text in the manual matches the message text on the display. The only exceptions are variable data fields.

## Variable Data Fields

Variable data fields contain information that differs for each situation in which a message is issued. Variable data includes information such as a work station identifier or a file name. In this manual, the *type* of variable data is printed within square brackets; for example, [file name]. On the display, the actual data appears without brackets; for example, CUSTMAST.

## Additional Information (Messages Ending with “. . .”)

Some messages end with three dots (. . .). These dots indicate that you can display additional information about the message by pressing the Enter key. If the message is sent to the system console (the job is run from the job queue), you must use the REPLY command to display the additional information.

## Severity

The severity code (1, 2, 3, 4, or 5) indicates how serious the error is that caused the message:

- 1: Informational messages. Option 0 is the only response allowed.
- 2: Messages with one response option, or messages with two response options where one option is a retry option.
- 3: Program error messages. These messages usually have more than one response option.
- 4: Messages for severe errors, such as hardware errors or permanent input/output errors.
- 5: No automatic response value can be defined for these messages.

## Auto Response

The auto response value indicates the option (0, 1, 2, 3, or D) that the system automatically uses to respond to the message if you have run the RESPONSE procedure. For information about the RESPONSE procedure, see the *System Reference* manual, SC21-9020. If the automatic response is N/A, auto response cannot be used for that message. If you supply a value, it is ignored. If the automatic response is blank, auto response can be used, but it is recommended that the operator respond to the message.

## Explanation

The explanation gives the reason for the message and tells the display station operator what action to take to continue. It also tells the operator whom to contact for help if the operator cannot correct the problem or continue operations.

## Additional Information

The additional information provides more details about the reason for the message and indicates what action to take in order to correct the problem or to continue.

## User Response

The user response information describes what the display station operator can enter in response to the message.

The following descriptions indicate what usually happens for each user response option you can enter. However, the option descriptions for a given message may differ from those listed here, and not all options are available for all messages.

*Option 0:* When you enter option 0, the error condition is usually ignored and the job continues.

*Option 1:* When you enter option 1, the operation that caused the error is usually ignored and you can try the operation again.

*Option 2:* The job step is ended. Any data created by the program is saved, and you can continue with the next program.

*Option 3:* The job is canceled. Any data created or work done by previous programs in this job is saved, but any data created or work done by the current program is lost. Any records added or updates made to existing files by the current program are saved. Records deleted by the current program no longer exist.

*Option D:* When you enter option D, the contents of main storage and control storage are copied into the dump area on disk. The system actions described for option 3 occur. After taking a storage dump, you should save the dump information by using the APAR procedure or the DUMP procedure. For information about these procedures, see the *System Problem Determination - 5360*, *System Problem Determination - 5362*, or *System Reference* manual. Option D never appears on the display and is not described in this manual. However, option D is available whenever option 3 appears on the display.

*Option H:* When you enter option H, the Help display that appeared when the error occurred is displayed again. You can then correct the error and continue your job. The H option is available whenever a message is displayed while you are using a Help display.

## Before Calling For Service

Sometimes, even though you follow the recovery actions in the message description, the error is not corrected or keeps occurring for no apparent reason. Some errors can not be corrected by the operator or programmer, and the message tells you to notify your hardware service representative or programming service representative.

To help the service representative determine what the problem is and correct it as quickly as possible, do the following:

- Refer to the *Problem Determination* section (Chapter 32) of the *IBM System/36 Programming with RPG II* manual, SC21-9006.
- Fill out a *Problem Summary Form*. This is a form on which you can record information about the system conditions at the time the error occurred. Copies of the *Problem Summary Form* are available in the *System Problem Determination*, SC21-7919 for the 5360 System Unit, *System Problem Determination*, SC21-9063 for the 5362 System Unit, and in the *System Problem Determination – 5364*, SC21-9375 for the 5364 System Unit.
- If the system keyboard is operable, do the following:
  - If you initiated a storage dump, run the APAR or DUMP procedure to save a copy of the dump area for the service representative.
  - Press the Print key to print the information that was on the display when the error occurred.
  - Run the HISTORY procedure to save a copy of the history file for the service representative.

For information about running the above procedures, see the *System Reference* manual and the appropriate *System Problem Determination* manual for your System Unit.



## Chapter 2. Compiler Diagnostic Messages

### **RPG —0001 SOURCE PROGRAM IS MISSING. COMPILE IS ENDED.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

/\* is the first record in the source program. The /\* characters indicate the end of the source program.

### **RPG —0002 INVALID ENTRY IN COLUMN 10. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 10 of the control specification (object output) must be D or blank. Blank is assumed.

### **RPG —0003 INVALID LISTING OPTION IN COLUMN 11. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 11 of the control specification (listing options) must be B, P, or blank. Blank is assumed. Therefore, the object program is produced if no severe errors are found, and a listing is printed.

### **RPG —0004 INVALID OR BLANK STORAGE SIZE TO EXECUTE ENTRY IN COLUMNS 12-14. ROUNDED UP TO 2K MULTIPLE, OR REGION SIZE ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in columns 12 through 14 of the control specification (size to execute) is one of the following:

- Blank
- Greater than 64K
- Not a multiple of 2K

If the error is case 1 or case 2, the size of the region used for compiling the program is assumed as the size to execute the program. If the error is case 3, the entry is rounded up to a multiple of 2K.

### **RPG —0005 INVALID DEBUG CODE IN COLUMN 15. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 15 of the control specification (debug) must be 1 or blank.

### **RPG —0006 CONTROL SPECIFICATION WAS PREVIOUSLY DEFINED. CURRENT SPECIFICATION IS IGNORED.**

Severity: Warning

Specification Type: H

**Explanation:**

Only one control specification per program is allowed. The specification is ignored, and the job continues.

### **RPG —0007 INVALID ENTRY IN COLUMN 57. 1 IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 57 must be 1 or blank. 1 is assumed. 1 indicates that RPG checks for transparent literals or constants because the program uses ideographic data.

**RPG —0008 INVALID ENTRY IN COLUMN  
37. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 37 of the control specification (inquiry) must be I, B, or blank.

**RPG —0009 NO H SPECIFICATION FOUND.**

Severity: Warning

Specification Type: H

**Explanation:**

The first specification in the RPG source program must contain an H in column 6.

**RPG —0010 INVALID ENTRY IN COLUMN  
18. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 18 of the control specification (currency symbol) can be any character except those that have special significance in edit codes or edit words. The following characters are not valid entries:

0 (zero), & (ampersand), \* (asterisk), . (decimal point), , (comma), - (minus), C (letter C), R (letter R).

**RPG —0011 INVALID ENTRY IN COLUMNS  
16-17. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

Columns 16 and 17 of the control specification must be left blank.

**RPG —0012 INVALID INVERTED-PRINT  
ENTRY IN COLUMN 21. BLANK  
IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 21 of the control specification (inverted print) must be I, D, J, or blank.

**RPG —0013 INVALID ENTRIES IN  
COLUMNS 22-25. BLANKS ARE  
ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

Columns 22 through 25 of the control specification must be left blank.

**RPG —0014 INVALID  
ALTERNATE-COLLATING-SEQUENCE  
ENTRY IN COLUMN 26. S IS  
ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 26 of the control specification (alternate collating sequence) must be blank or S. The S entry alters the normal collating sequence.

**RPG —0015 INVALID ENTRIES IN  
COLUMNS 27-36 AND/OR 38-40.  
BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

Columns 27 through 36 and columns 38 through 40 of the control specification must be left blank.

**RPG —0016 INVALID 1P FORMS POSITION  
ENTRY IN COLUMN 41. 1 IS  
ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

Column 41 of the control specification (1P forms position) must be 1 or blank.

**RPG —0017 INVALID ENTRY IN COLUMN  
42. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

Column 42 of the control specification (indicator setting) must be left blank.

**RPG —0018 INVALID FILE TRANSLATION  
ENTRY IN COLUMN 43. F IS  
ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in column 43 of the control specification (file translation) must be F or blank.

**RPG —0019 INVALID ENTRY IN COLUMN  
44. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

Column 44 of the control specification (punch MFCU zeros) must be left blank.

**RPG —0020 INVALID NON  
PRINTABLE-CHARACTER  
ENTRY IN COLUMN 45. 1 IS  
ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

Column 45 of the control specification (nonprint characters) must contain 1 or blank.

**RPG —0021 INVALID ENTRIES IN  
COLUMNS 46-56 OR 58-74,  
BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

Columns 46 through 56 or 58 through 74 of the control specification must be left blank.

**RPG —0022 INVALID ENTRY IN COLUMN  
6, OR SPECIFICATION TYPE  
OUT OF SEQUENCE.**

Severity: Terminal

Specification Type: H, F, E, L, T, I, C, or O

**Explanation:**

Valid entries for column 6 are H, F, E, L, T, I, C, or O, in the order listed. The job is ended, and the entire specification is ignored.

**RPG —0023 INVALID OR BLANK  
FILENAME IN COLUMNS 7-14.**

Severity: Terminal

Specification Type: F, I, L, T, or O

**Explanation:**

The entry in columns 7 through 14 is not a valid filename. The job is ended, and the entire specification is ignored.

**RPG —0024 FILENAME WAS PREVIOUSLY  
DEFINED IN COLUMNS 7-14.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry in columns 7 through 14 is not a unique filename. The job is ended, and the entire specification is ignored.

**RPG —0025 INVALID DEVICE NAME IN  
COLUMNS 40-46. DISK IS  
ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry in columns 40 through 46 is not a valid device name. DISK is assumed, but the job is ended.

**RPG —0026 INVALID OR BLANK  
FILE-TYPE ENTRY IN  
COLUMN 15. THE DEFAULT  
FOR THIS DEVICE IS  
ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

One of the following conditions exists:

- The entry in column 15 of the file description specification (file type) is not I, O, U, or C.

- A record address file is specified (R in column 16), but the entry in column 15 (file type) is not I. A record address file must be an input file.
- Columns 35 through 38 of the file description specifications contain EXTK, but an entry other than I or U is specified in column 15 (file type). An entry of O in column 15 will not create a new output file with noncontiguous fields as the key. To create alternative index files with non-contiguous fields as the key, use the BLDINDEX system procedure.

U is assumed as the entry in column 15 for files assigned to the DISK device. C is assumed for files assigned to the WORKSTN or SPECIAL device. O is assumed for files assigned to the PRINTER or CRT device. I is assumed for files assigned to the CONSOLE, KEYBOARD, or BSCA device. The job is ended.

**RPG —0027 POSITION 19 IN CONTROL SPECIFICATION IS NOT BLANK, M, D, OR Y. M IS ASSUMED IF POSITION 21 IS BLANK.**

Severity: Warning

Specification Type: H

**Explanation:**

Column 19 of the control specification (file format) must contain M, D, Y, or blank. M is assumed as the entry in column 19 if column 21 is blank. D is assumed if column 21 contains I or J.

**RPG —0028 FILE DESIGNATION IN COLUMN 16 IS INVALID FOR EITHER FILE TYPE OR DEVICE. SECONDARY FILE IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

The entry in column 16 of the file description specifications (file designation) is not valid for an input file or an update file. S (secondary file) is assumed as the entry in column 16, and the job continues.

**RPG —0029 INVALID ENTRY SPECIFIED TO OVERRIDE STORAGE SIZE TO EXECUTE IN SOURCE PROGRAM. ROUNDED UP TO 2K MULTIPLE.**

Severity: Warning

Specification Type: H

**Explanation:**

In the RPGC or AUTO C procedure, the entry to override the storage size to execute in the source program is not a multiple of 2K. The size to execute is rounded up to the nearest multiple of 2K.

**RPG —0030 FILE-DESIGNATION ENTRY IN COLUMN 16 IS INVALID FOR OUTPUT FILE. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

Column 16 of the file description specification must be blank for output files (O in column 15).

**RPG —0032 NO PRIMARY FILE IS SPECIFIED IN COLUMN 16. FIRST SECONDARY FILE IS ASSUMED TO BE PRIMARY FILE.**

Severity: Warning

Specification Type: F

**Explanation:**

If a primary file is not specified (P in column 16 of the file description specifications) and one or more secondary files are specified, the first secondary file is assigned as the primary file. When no primary or secondary files are assigned, you must provide an exit for your program by turning on the LR indicator.

**RPG —0034 MULTIPLE PRIMARY FILES ARE DEFINED IN COLUMN 16. ALL BUT THE FIRST ARE ASSUMED TO BE SECONDARY FILES.**

Severity: Warning

Specification Type: F

**Explanation:**

More than one primary file is defined (P in column 16 of your file description specifications). All except the first one are assumed to be secondary files.

**RPG —0036 INVALID END-OF-FILE ENTRY IN COLUMN 17. E IS ASSUMED FOR INPUT FILE TYPE WITHOUT RANDOM PROCESSING.**

Severity: Warning

Specification Type: F

**Explanation:**

The entry in column 17 of the file description specifications must be either E or blank. E is assumed for input files not processed randomly; blank is assumed for all other files.

**RPG —0037 INVALID FILE-FORMAT  
ENTRY IN COLUMN 19.**

Severity: Warning

Specification Type: F

**Explanation:**

The file-format entry in column 19 of your file description specification must be F or blank. F is assumed.

**RPG —0038 END-OF-FILE ENTRY IN  
COLUMN 17 IS INVALID FOR  
THIS FILE TYPE.**

Severity: Warning

Specification Type: F

**Explanation:**

Column 17 of the file description specifications must be blank for output, demand, full-procedural, and table files. Blank is assumed.

**RPG —0039 INVALID SEQUENCE ENTRY  
IN COLUMN 18. PREVIOUS  
ENTRY IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

The sequence entry in column 18 of the file description specifications must be A, D, or blank. The entry in column 18 from the previous file description specification is assumed.

**RPG —0040 SEQUENCE ENTRY IN  
COLUMN 18 IS INVALID FOR  
THIS TYPE OF FILE OR MODE  
OF PROCESSING. BLANK IS  
ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

Column 18 of the file description specifications must be blank for demand files, output files, record address files, full-procedural files, and for any files processed randomly.

**RPG —0041 INVALID RECORD-LENGTH  
ENTRY IN COLUMNS 24-27.  
THE DEFAULT FOR THIS  
DEVICE IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

An incorrect record length was specified in columns 24 through 27 of the file description specifications. The maximum record length for the device is assumed, except for DISK which is assumed to be 256, and PRINTER which is assumed to be 132.

**RPG —0042 INVALID BLOCK-LENGTH  
ENTRIES IN COLUMNS 20-23.  
THE BLOCK LENGTH IS  
ASSUMED TO BE EQUAL TO  
THE RECORD LENGTH.**

Severity: Warning

Specification Type: F

**Explanation:**

The block-length entry in columns 20 through 23 of the file description specifications must be either equal to or a multiple of the record length specified in columns 24 through 27.

**RPG —0043 DUAL I/O ENTRY IN COLUMN  
32 IS INVALID FOR THIS TYPE  
OF FILE OR MODE OF  
PROCESSING. BLANK IS  
ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

Dual input/output (1-9 in column 32 of the file description specifications) cannot be specified for demand, table, or update files, or for any file processed randomly.

**RPG —0044 INVALID ENTRY IN COLUMN  
32. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

The entry in column 32 of the file description specification must be 1-9, I, T, or blank. Blank is assumed.

**RPG —0045 OVERFLOW INDICATOR IN COLUMNS 33-34 WAS PREVIOUSLY DEFINED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The overflow indicator specified in columns 33 and 34 of the file description specifications must be OA through OG or OV. Blank is assumed, but the job is ended.

**RPG —0046 INVALID OVERFLOW INDICATOR IN COLUMNS 33-34. BLANK IS ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The overflow indicator specified in columns 33 and 34 of the file description specification must be specified in a previous file description specification. Blank is assumed, but the job is ended.

**RPG —0047 OVERFLOW INDICATOR IN COLUMNS 33-34 IS INVALID FOR THIS DEVICE. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

The overflow indicator specified in columns 33 and 34 of the file description specifications must be assigned to a PRINTER file.

**RPG —0048 INVALID OR BLANK EXTENSION-CODE ENTRY IN COLUMN 39 FOR TABLE FILE OR RECORD ADDRESS FILE. E IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

The entry in column 39 of the file description specifications must be E for table files and record address files. E is assumed, and the job continues.

**RPG —0049 INVALID EXTENSION-CODE ENTRY IN COLUMN 39. L IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

The entry in column 39 of the file description specifications must be either L or blank for output files assigned to the printer. L is assumed, and the job continues.

**RPG —0050 INVALID RECORD-LENGTH ENTRY IN COLUMNS 24-27 FOR ADDRUT FILE. 3 IS ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

An incorrect record length was specified in columns 24 through 27 of the file description specification for an addrut file. The record length of an addrut file must be 3.

**RPG —0051 EXTENSION-CODE ENTRY IN COLUMN 39 IS INVALID WITH THIS DEVICE, OR WITH P, S, C, D, OR F IN COLUMN 16. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

The entry in column 39 of the file description specifications is not valid for the device specified in columns 40 through 46 or for the file designation specified in column 16. Blank is assumed, and the program continues.

**RPG —0052 DEVICE IN COLUMNS 40-46 WAS PREVIOUSLY ASSIGNED TO AN OUTPUT OR NON-TABLE INPUT FILE, OR MORE THAN EIGHT PRINTER FILES ARE DEFINED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The device name in columns 40 through 46 of the file description specifications was assigned to more than one output or non-table input file. The job is ended, and the entire specification may cause other errors to be generated.

**RPG —0053 INVALID ENTRIES IN  
COLUMNS 47-52. BLANKS ARE  
ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

These columns must be left blank.

**RPG —0055 FILE-CONDITIONING ENTRIES  
IN COLUMNS 71-72 ARE  
INVALID FOR TABLE FILES  
OR KEYBOARD FILES. BLANKS  
ARE ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

Columns 71 and 72 of the file description specifications must be left blank for table files and KEYBOARD files, because table and KEYBOARD files cannot be conditioned by U1-U8.

**RPG —0057 INVALID FILE-CONDITIONING  
ENTRIES IN COLUMNS 71-72.**

Severity: Terminal

Specification Type: F

**Explanation:**

Columns 71 and 72 of your file description specifications must be blank or must contain one of the external indicators (U1-U8).

**RPG —0058 INVALID ENTRIES IN  
COLUMNS 67 AND/OR 73-74.  
BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

Column 67 and columns 73 and 74 must be left blank.

**RPG —0060 INVALID ENTRY IN COLUMN  
48. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

To indicate shared input/output buffer areas for DISK files, enter a 1 in column 48. Otherwise, leave column 48 blank.

**RPG —0061 INVALID ENTRIES IN  
COLUMNS 7-10. BLANKS ARE  
ASSUMED.**

Severity: Warning

Specification Type: E

**Explanation:**

Columns 7 through 10 must be left blank.

**RPG —0062 INVALID OR UNDEFINED  
FROM-FILENAME ENTRY IN  
COLUMNS 11-18.**

Severity: Terminal

Specification Type: E

**Explanation:**

The from-filename entry in columns 11 through 18 of your extension specifications is invalid or has not been previously defined in file description specifications. (The from-filename entry must start in column 11.)

**RPG —0063 TYPE OF FILE IS INVALID  
FOR FROM-FILENAME ENTRY  
IN COLUMNS 11-18.**

Severity: Terminal

Specification Type: E

**Explanation:**

The from-filename entry must refer to a table or record-address input file.

**RPG —0064 INVALID OR UNDEFINED  
TO-FILENAME IN COLUMNS  
19-26.**

Severity: Terminal

Specification Type: E

**Explanation:**

The to-filename entry in columns 19 through 26 of your extension specifications is invalid or has not been defined in the file description specifications. (The to-filename entry must start in column 19.)

**RPG —0065 TYPE OF FILE IS INVALID OR  
INCORRECT FOR  
TO-FILENAME ENTRY IN  
COLUMNS 19-26.**

Severity: Terminal

Specification Type: E

**Explanation:**

The to-filename entry must refer to an output file or to a file processed by a record address file.

**RPG —0067 INVALID TABLE OR ARRAY  
NAME IN COLUMNS 27-32.**

Severity: Terminal

Specification Type: E

**Explanation:**

The array or table name in columns 27 through 32 was not specified properly. An array or table name must start in column 27. A table name must begin with TAB; an array name must not begin with TAB.

**RPG —0068 INVALID OR MISSING ENTRY  
IN COLUMNS 33-35 FOR  
NUMBER OF ENTRIES PER  
RECORD. 08 IS ASSUMED.**

Severity: Terminal

Specification Type: E

**Explanation:**

The entry in columns 33 through 35 is missing on an extension specification that has a from-filename entry in columns 11 through 18, or it is not a 1- to 3-digit number (1-999) on an extension specification that has a blank from-filename entry. 08 is assumed, but the job is ended.

**RPG —0070 INVALID OR MISSING ENTRY  
IN COLUMNS 36-39 FOR  
NUMBER OF ENTRIES PER  
TABLE OR ARRAY. 05 IS  
ASSUMED.**

Severity: Terminal

Specification Type: E

**Explanation:**

The entry in columns 36 through 39 is missing, or it is not a 1- to 4-digit number (1-9999). 05 is assumed, but the job is ended.

**RPG —0071 NUMBER OF ENTRIES PER  
RECORD IN COLUMNS 33-35  
EXCEEDS NUMBER OF  
ENTRIES PER TABLE/ARRAY  
IN COLUMNS 36-39.**

Severity: Terminal

Specification Type: E

**Explanation:**

The entry in columns 33 through 35 of the extension specifications cannot be a larger number than the entry in columns 36 through 39.

**RPG —0072 INVALID OR MISSING LENGTH  
OF ENTRY IN COLUMNS 40-42  
OR 52-54. 05 IS ASSUMED.**

Severity: Terminal

Specification Type: E

**Explanation:**

The length of entry is not specified or is not a 1- to 3-digit number (1-15 for numeric entries; 1-256 for alphabetic entries). 05 is assumed, but the job is ended.

**RPG —0073 LENGTH SPECIFIED IN  
COLUMNS 33-35 AND 40-42 OR  
52-54 FOR EACH  
TABLE/ARRAY RECORD  
EXCEEDS RECORD LENGTH.**

Severity: Terminal

Specification Type: E

**Explanation:**

The table record length specified (length of entry times number of entries per record) is greater than the record length you specified for the table file in the file description specifications.

**RPG —0074 INVALID PACKED OR BINARY  
FORMAT ENTRY IN COLUMN  
43 OR 55. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: E

**Explanation:**

The entry in column 43 or column 55 of the extension specifications must be P, B, or blank. Blank is assumed, and the job continues.

**RPG —0075 PACKED OR BINARY FORMAT  
IS VALID ONLY FOR  
PRE-EXECUTION-TIME  
TABLES OR ARRAYS.**

Severity: Terminal

Specification Type: E

**Explanation:**

Packed-decimal or binary format can be specified (column 43 or column 55) only for preexecution-time arrays or tables. Blank is assumed, but the job is ended.

**RPG —0076 INVALID DECIMAL-POSITION  
ENTRY IN COLUMN 44 OR 56. 0  
IS ASSUMED.**

Severity: Terminal

Specification Type: E

**Explanation:**

The decimal-position entry in column 44 or column 56 of the extension specifications must be 0-9 or blank. Zero is assumed, but the job is ended.

**RPG —0077 INVALID SEQUENCE ENTRY  
IN COLUMN 45 OR 57. BLANK  
IS ASSUMED.**

Severity: Terminal

Specification Type: E

**Explanation:**

The sequence entry in column 45 or column 57 of the extension specifications must be A, D, or blank. Blank is assumed, but the job is ended.

**RPG —0079 INVALID ALTERNATE  
TABLE/ARRAY NAME IN  
COLUMNS 46-51.**

Severity: Terminal

Specification Type: E

**Explanation:**

The array or table name in columns 46 through 51 was not specified properly. The array or table name must start in column 46. An array name must not begin with TAB. A table name must begin with TAB.

**RPG —0080 ALTERNATE TABLE/ARRAY  
NAME IN COLUMNS 46-51  
AND/OR 27-32 MISSING FOR  
ENTRIES IN COLUMNS 33-45  
AND/OR 52-57, ASSUME  
COLUMNS 33-57 AND/OR 46-57  
BLANK.**

Severity: Terminal

Specification Type: E

**Explanation:**

Columns 52 through 57 contain entries describing an alternating table or array, but no alternating table or array

name was specified in columns 46 through 51 or no table or array name was specified in columns 27 through 32.

**RPG —0082 LENGTH OF TABLE/ARRAY IN  
COLUMNS 40-42 OR 52-54 FOR  
ALPHAMERIC FIELD  
EXCEEDS MAXIMUM.**

Severity: Terminal

Specification Type: E

**Explanation:**

The entry specified in columns 40 through 42 or in columns 52 through 54 (length of array or table) is too large. 256 is assumed for noncompile-time arrays or tables; a record length of 96 is assumed for compile-time arrays or tables.

**RPG —0083 LENGTH OF TABLE/ARRAY  
ENTRY IN COLUMNS 40-42 OR  
52-54 FOR NUMERIC FIELD  
EXCEEDS 15. 15 IS ASSUMED.**

Severity: Terminal

Specification Type: E

**Explanation:**

The entry specified in columns 40 through 42 or in columns 52 through 54 (length of array or table) is too large.

**RPG —0084 FILE AND RECORD-TYPE  
ENTRIES IN COLUMNS 7-42  
AND FIELD-TYPE ENTRIES IN  
COLUMNS 43-74 ARE BOTH ON  
THE SAME LINE. COLUMNS  
7-42 ARE ASSUMED TO BE  
BLANK.**

Severity: Terminal

Specification Type: I

**Explanation:**

Field-type entries (columns 43 through 74) must be specified one line lower than file- and record-type entries (columns 7 through 42).

**RPG —0085 INVALID, MISSING, OR  
UNDEFINED FILENAME OR  
DATA STRUCTURE.**

Severity: Terminal

Specification Type: L, I, C

**Explanation:**

One of the following conditions exists:

- The filename is missing from the input specifications.
- The filename is not specified properly on the input specifications.
- The filename was not previously defined on the file description specifications.
- A data structure has the same name as a file.
- A data structure name is longer than 6 characters.
- More than 75 data structures are defined.

**RPG —0086 FILENAME IN COLUMNS 7-14  
DOES NOT REFER TO  
PRINTER FILE.**

Severity: Terminal

Specification Type: L

**Explanation:**

The filename in columns 7 through 14 must be the same as the name of a file assigned to the PRINTER device on the file description specifications.

**RPG —0087 FORM-LENGTH ENTRY IN  
COLUMNS 15-17 IS INVALID OR  
GREATER THAN 255.**

Severity: Terminal

Specification Type: L

**Explanation:**

The entry in columns 15 through 17 of the line counter specifications is not valid or is greater than 255.

**RPG —0088 INVALID OR MISSING  
FORMS-LENGTH ENTRY IN  
COLUMNS 18-19. FL IS  
ASSUMED.**

Severity: Warning

Specification Type: L

**Explanation:**

The entry in columns 18 and 19 of the line counter specifications must be FL. FL is assumed, and the program continues.

**RPG —0089 OVERFLOW-LINE ENTRY IN  
COLUMNS 20-22 IS INVALID OR  
GREATER THAN 255.**

Severity: Terminal

Specification Type: L

**Explanation:**

The entry in columns 20 through 22 of the line counter specifications is not valid or is greater than 255.

**RPG —0090 INVALID OR MISSING  
OVERFLOW-LINE ENTRY IN  
COLUMNS 23-24. OL IS  
ASSUMED.**

Severity: Warning

Specification Type: L

**Explanation:**

The entry in columns 23 and 24 of the line counter specifications is not valid or is missing. OL is assumed, and the program continues.

**RPG —0091 OVERFLOW-LINE ENTRY IN  
COLUMNS 20-22 EXCEEDS  
FORM-LENGTH ENTRY IN  
COLUMNS 15-17. FORM  
LENGTH IS ASSUMED.**

Severity: Terminal

Specification Type: L

**Explanation:**

The entry in columns 20 through 22 of the line counter specifications (overflow line) cannot be greater than the entry in columns 15 through 17 (form length). The form length is assumed as the overflow line, but the program ends.

**RPG —0092 INVALID OR UNDEFINED  
FILENAME IN COLUMNS 7-14.**

Severity: Terminal

Specification Type: L, I, C, O

**Explanation:**

The filename entry is not specified properly, or it was not previously defined in the file description specifications.

**RPG —0093 FILE AND RECORD-TYPE  
ENTRIES IN COLUMNS 7-42  
AND FIELD-TYPE ENTRIES IN  
COLUMNS 43-74 ARE BOTH ON  
THE SAME LINE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Field-description entries (columns 43 through 74) must be specified one line lower than file- and record-identification entries (columns 7 through 42). Field-description entries (columns 43 through 74) are assumed to be blank, but the job is ended.

**RPG —0094 FILE AND RECORD-TYPE  
DESCRIPTION MUST PRECEDE  
THIS SPECIFICATION.**

Severity: Terminal

Specification Type: I

**Explanation:**

An input specification containing file- and record-identification entries in columns 7 through 42 must immediately precede the input specifications containing the related field-description entries in columns 43 through 74.

**RPG —0095 AND OR OR LINE IS OUT OF  
ORDER.**

Severity: Terminal

Specification Type: I, C

**Explanation:**

The AND or OR line does not follow the proper file- or record-identification entries on the input specifications, or it is the first line of the calculation specifications. (The system may have dropped your file- or record-identification entries because of other errors in your program.)

**RPG —0096 AND LINE FOLLOWS A LINE  
WITH NO RECORD  
IDENTIFICATION CODES.**

Severity: Terminal

Specification Type: I

**Explanation:**

An AND line cannot be used unless a record identification code is specified in the preceding line.

**RPG —0097 NO FIELD IS DESCRIBED FOR  
THIS OR PREVIOUS RECORD  
OR DATA STRUCTURE. IF  
DATA STRUCTURE, LENGTH  
DEFAULTS TO ONE.**

Severity: Warning

Specification Type: I

**Explanation:**

A record or data structure is described on the input specifications, but the fields within that record or the subfields within that data structure are not described.

**RPG —0098 INVALID SEQUENCE ENTRY  
IN COLUMNS 15-16.  
ALPHABETIC SEQUENCE  
ENTRY IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

The sequence entry in columns 15 and 16 must be a 2-digit number or a 2-character alphabetic entry. A numeric entry may not be valid for the device type or file type specified.

**RPG —0101 NUMERIC SEQUENCE ENTRY  
IN COLUMNS 15-16 IS NOT IN  
ASCENDING ORDER, OR THE  
FIRST ENTRY IS NOT 01.  
PREVIOUS NUMERIC  
SEQUENCE IS ASSUMED, OR  
01 IS ASSUMED IF THIS IS THE  
FIRST NUMERIC RECORD.**

Severity: Warning

Specification Type: I

**Explanation:**

Either the first numeric sequence entry is not 01, or the numeric sequence entries are not in ascending order. If this is the first numeric sequence entry, 01 is assumed; otherwise, the numeric sequence entry from the preceding specification is assumed.

**RPG —0102 INVALID NUMBER ENTRY IN  
COLUMN 17 FOR NUMERIC  
SEQUENCE. N IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

The entry in column 17 must be either 1 or N.

**RPG —0103 INVALID OPTION ENTRY IN  
COLUMN 18 FOR NUMERIC  
SEQUENCE. O IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

The option entry (column 18 of the input specifications) must be blank, O, or U. U is valid only if DS is specified in columns 19 and 20.

**RPG —0104 NUMBER/OPTION ENTRIES IN COLUMNS 17-18 ARE INVALID WITH ALPHAMERIC SEQUENCE ENTRIES. ENTRIES ARE NOT SPECIFIED CORRECTLY FOR DATA STRUCTURES.**

Severity: Terminal

Specification Type: I

**Explanation:**

Columns 17 and 18 must be blank when columns 15 and 16 contain an alphabetic sequence entry. Column 17 must be blank for a data structure. Column 18 must be blank or contain a U for a data structure specified as the display station local data area.

**RPG —0105 NUMBER/OPTION ENTRIES IN COLUMNS 17-18 ARE INVALID FOR AND OR OR LINE. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

Columns 17 and 18 must be blank in an AND or OR line.

**RPG —0106 INVALID POSITION ENTRY FOR RECORD IDENTIFICATION CODES IN COLUMNS 21-24, 28-31, OR 35-38, OR TO POSITION IN COLUMNS 48-51. 1 IS ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

The position entry for record identification codes or the To position for a field exceeds the record length.

**RPG —0107 INVALID NOT ENTRY IN COLUMN 25, 32, OR 39. N IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

The entry in column 25, 32, or 39 must be N or blank.

**RPG —0108 INVALID C/Z/D ENTRY IN COLUMN 26, 33, OR 40. C IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

The entry in column 26, 33, or 40 is not valid. C is assumed, and the program continues.

**RPG —0111 INVALID ENTRY IN COLUMN 43. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

The entry in column 43 must be P, B, or blank.

**RPG —0112 INVALID OR BLANK FROM AND/OR TO ENTRY, OR INVALID USE OF A KEYWORD, COLUMNS 44-51 AND 52. 1 IS ASSUMED FOR FROM AND TO POSITIONS.**

Severity: Terminal

Specification Type: I

**Explanation:**

Columns 44 through 47 and/or 48 through 51 must contain an entry from 1 to 4096. Or, for the WORKSTN file information data structure (INFDS), columns 44 through 50 must contain one or more of the following keywords: \*RECORD, \*OPCODE, \*SIZE, \*MODE, \*INP, \*OUT, \*STATUS. Columns 51 and 52 must be blank if a keyword is specified.

**RPG —0113 FROM ENTRY IN COLUMNS 44-47 EXCEEDS TO ENTRY IN COLUMNS 48-51. TO ENTRY IS ASSUMED TO BE EQUAL TO FROM ENTRY.**

Severity: Terminal

Specification Type: I

**Explanation:**

The From entry (columns 44 through 47) cannot be greater than the To entry (columns 48 through 51). The To entry is assumed to be equal to the From entry, but the job is ended.

**RPG —0114 LENGTH OF NUMERIC FIELDS  
IN COLUMNS 44-51 EXCEEDS  
15. 15 IS ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

The maximum field length for a zoned-decimal numeric field is 15. Therefore, the difference between the From entry (columns 44 through 47) and the To entry (columns 48 through 51) must not be more than 15.

**RPG —0115 ALPHAMERIC FIELD IS  
SPECIFIED AS PACKED OR  
BINARY. NUMERIC FIELD IS  
ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

For alphanumeric fields, leave column 43 blank. For numeric fields, make an entry (0 through 9) in column 52.

**RPG —0116 INVALID DECIMAL-POSITION  
ENTRY IN COLUMN 52. 0 IS  
ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

The decimal-position entry in column 52 must be 0 through 9 or blank.

**RPG —0117 DECIMAL POSITION IN  
COLUMN 52 IS INVALID FOR  
AN ARRAY. BLANK IS  
ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

No decimal-position entry can be specified in column 52 for an array. Decimal positions for arrays must be specified in your extension specifications.

**RPG —0118 FIELD NAME IN COLUMNS  
53-58 MISSING OR INVALID.**

Severity: Terminal

Specification Type: I

**Explanation:**

The field name is missing from columns 53 through 58 or is not specified properly. An array element or a table name cannot be specified in a data structure.

**RPG —0119 INVALID CONTROL-LEVEL  
INDICATOR IN COLUMNS  
59-60. BLANKS ARE  
ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

The control-level entry in columns 59 and 60 must be L1 through L9 or blank. Blank is assumed, but the job is ended.

**RPG —0120 INVALID MATCHING-FIELD  
ENTRY IN COLUMNS 61-62. M1  
IS ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

The matching-field entry in columns 61 and 62 must be M1 through M9 or blank. M1 is assumed, but the job is ended.

**RPG —0121 FROM FILE CANNOT HAVE AN  
E IN COLUMN 17 OF FILE  
DESCRIPTION SPECIFICATION  
WHEN TO FILE IS A DEMAND  
OR FULL-PROCEDURAL FILE.**

Severity: Terminal

Specification Type: E

**Explanation:**

Column 17 of the file description specifications must be blank for a record address file that is used to process a demand or full-procedural file.

**RPG —0122 FIELD WAS PREVIOUSLY  
DEFINED WITH DIFFERENT  
LENGTH OR DECIMAL  
POSITIONS, OR WAS  
ALREADY DEFINED IN ONE  
DATA STRUCTURE. FIRST  
DEFINITION IS ASSUMED, OR  
FIELD IS NOW DEFINED AS A  
LOOK-AHEAD FIELD.**

Severity: Warning

Specification Type: I, C

**RPG —0123 INVALID CONTROL-LEVEL  
ENTRY IN COLUMNS 7-8.**

Severity: Terminal

Specification Type: C

**Explanation:**

The control-level entry in columns 7 and 8 must be AN, OR, L0 through L9, LR, SR, or blank.

**RPG —0124 INVALID NOT ENTRY IN  
COLUMN 9, 12, OR 15. N IS  
ASSUMED.**

Severity: Warning

Specification Type: C

**Explanation:**

The entry in column 9, 12, or 15 must be N or blank.

**RPG —0125 INVALID FIELD NAME OR  
CONSTANT FOR FACTOR 1 IN  
COLUMNS 18-27.**

Severity: Terminal

Specification Type: C, H

**Explanation:**

The field name or constant in columns 18 through 27 of the calculation specifications is not specified properly. It must begin in column 18.

**RPG —0126 LENGTH OF TABLE/ARRAY  
EXCEEDS MAXIMUM  
STORAGE.**

Severity: Terminal

Specification Type: E

**Explanation:**

The number of entries per array/table (columns 36 through 39) multiplied by the length of each entry (columns 40 through 42) exceeds maximum storage. Reduce the number of entries or the length of the entries.

**RPG —0127 FIELD-LENGTH ENTRY IN  
COLUMNS 49-51 IS INVALID  
WITH NO RESULT FIELD.  
COLUMNS 49-51 ARE ASSUMED  
TO BE BLANK.**

Severity: Warning

Specification Type: C

**Explanation:**

No result field is specified (columns 43 through 48 of the calculation specifications), so no entry should be made for the length of the result field (columns 49 through 51).

**RPG —0128 INVALID OPERATION CODE IN  
COLUMNS 28-32.**

Severity: Terminal

Specification Type: C

**Explanation:**

The entry in columns 28 through 32 (operation code) is not specified correctly.

**RPG —0129 FACTOR 2 FIELD NAME IN  
COLUMNS 33-42 EXCEEDS SIX  
CHARACTERS.**

Severity: Terminal

Specification Type: C

**Explanation:**

A field name can be from 1 through 6 characters long.

**RPG —0130 TO FILE MUST BE A LIMITS  
FILE IF FROM FILE IS A  
RECORD ADDRESS FILE, OR  
TO FILE MUST BE A RANDOM  
ACCESS FILE IF FROM FILE IS  
AN ADDRROUT FILE.**

Severity: Terminal

Specification Type: E

**RPG —0131 FACTOR 2 IN COLUMNS 33-42  
IS INVALID.**

Severity: Terminal

Specification Type: C

**Explanation:**

The field name, EXCPT name, or constant in columns 33 through 42 of the calculation specifications is not specified properly. The entry must start in column 33.

**RPG —0132 FACTOR 2 MUST BE A  
FILENAME.**

Severity: Terminal

Specification Type: C

**RPG —0133 NUMERIC FIELD LENGTH  
EXCEEDS 15. 15 IS ASSUMED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The length specified in columns 49 through 51 for a numeric field is too large.

**RPG —0134 ALPHAMERIC FIELD LENGTH  
EXCEEDS 256. 256 IS  
ASSUMED.**

Severity: Terminal

Specification Type: I, C

**Explanation:**

The length specified in columns 44 through 51 of the input specifications or in columns 49 through 51 of the calculation specifications for an alphameric field is too large.

**RPG —0135 INVALID RESULT-FIELD  
ENTRY IN COLUMNS 43-53.**

Severity: Terminal

Specification Type: C

**RPG —0136 INVALID IDEOGRAPHIC  
LITERAL. LITERAL IS  
ASSUMED TO BE  
ALPHAMERIC.**

Severity: Warning

Specification Type: C, O

**Explanation:**

A valid ideographic literal consists of an apostrophe, followed by a shift-out control character, followed by two-byte characters, followed by a shift-in control character, followed by an apostrophe.

**RPG —0137 INVALID RESULT-FIELD  
LENGTH IN COLUMNS 49-51.  
ASSUME 15 FOR NUMERIC OR  
256 FOR ALPHAMERIC FIELD.**

Severity: Terminal

Specification Type: C

**RPG —0138 DECIMAL-POSITION ENTRY IN  
COLUMN 52 IS INVALID WITH  
NO FIELD-LENGTH ENTRY IN**

**COLUMNS 49-51. BLANK IS  
ASSUMED.**

Severity: Terminal

Specification Type: C

**RPG —0139 INVALID DECIMAL-POSITION  
ENTRY IN COLUMN 52. 0 IS  
ASSUMED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The decimal-position entry in column 52 must be 0 through 9 or blank.

**RPG —0140 INVALID HALF-ADJUST  
ENTRY IN COLUMN 53. H IS  
ASSUMED.**

Severity: Warning

Specification Type: C

**Explanation:**

The half-adjust entry in column 53 must be either H or blank.

**RPG —0141 DEBUG OPERATION CODE IS  
USED, BUT DEBUG OPTION IS  
NOT SPECIFIED IN THE  
CONTROL SPECIFICATION.**

Severity: Warning

Specification Type: C

**Explanation:**

You used the DEBUG operation code in your calculation specifications, but you did not specify the DEBUG option in your control specification (1 in column 15). DEBUG operations are not performed.

**RPG —0142 FILE AND  
RECORD-IDENTIFICATION  
ENTRIES AND  
FIELD-DESCRIPTION ENTRIES  
ARE BOTH ON THE SAME  
LINE.**

Severity: Terminal

Specification Type: O

**Explanation:**

One of the following two conditions exists:

- Field-description entries in columns 23 through 74 are not specified on the line immediately following the file- and record-identification entries in columns 7 through 31 (columns 7 through 37 for an exception output record).
- The EXCPT name contains a comma that makes it look like an array with an index.

Blanks are assumed for columns 7 through 31, but the job is ended.

**RPG —0143 INVALID LINE-TYPE ENTRY  
IN COLUMN 15.**

Severity: Terminal

Specification Type: O

**Explanation:**

The line-type entry in column 15 must be H, D, T, or E. An E can be used only if an EXCPT operation is used in the calculation specifications. H is assumed, but the job is ended.

**RPG —0144 AND OR OR LINE IS NOT  
PRECEDED BY RECORD  
IDENTIFICATION.**

Severity: Terminal

Specification Type: O

**Explanation:**

An AND or OR line can be specified only if a record identification code is specified in columns 15 through 31 of the immediately preceding line.

**RPG —0145 INVALID SKIP/SPACE  
ENTRIES IN COLUMNS 17-22  
FOR AND LINE. BLANK IS  
ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Columns 17 through 22 of an AND line contain space/skip entries. They should be blank.

**RPG —0146 INVALID FILENAME, OR  
ENTRY IN COLUMN 15 IS  
MISSING ON FIRST OUTPUT  
SPECIFICATION.**

Severity: Terminal

Specification Type: O

**Explanation:**

One of the following two conditions exists:

- Columns 7 through 14 contain an invalid filename.
- No line-type entry is specified in column 15.

**RPG —0147 INVALID NOT ENTRY IN  
COLUMN 23, 26, OR 29. N IS  
ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The entry in column 23, 26, or 29 must be N or blank.

**RPG —0148 INVALID FIELD NAME OR  
INVALID EXCPT NAME IN  
COLUMNS 32-37.**

Severity: Terminal

Specification Type: O

**Explanation:**

The field name or EXCPT name entry in columns 32 through 37 is not specified properly.

**RPG —0149 INVALID OR MISSING  
CONSTANT.**

Severity: Terminal

Specification Type: O

**Explanation:**

The constant in columns 45 through 70 of the output specifications is not specified properly.

**RPG —0150 INVALID BLANK-AFTER  
ENTRY IN COLUMN 39. BLANK  
IS ASSUMED.**

Severity: Terminal

Specification Type: O

**Explanation:**

The blank-after entry in column 39 must be B or blank.

**RPG —0151 INCORRECTLY SPECIFIED  
END POSITION IN COLUMNS  
40-43. END POSITION IS  
ASSUMED TO BE BLANK.**

Severity: Warning

Specification Type: O

**RPG —0152 INVALID PACKED OR BINARY  
ENTRY IN COLUMN 44. BLANK  
IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The entry in column 44 must be P, B, or blank.

**RPG —0153 BLANK END POSITION WAS  
SPECIFIED. END POSITION  
WAS CALCULATED.**

Severity: Warning

Specification Type: O

**Explanation:**

The end position in the output record (columns 40 through 43 of the output specifications) was calculated from the last end position specified in this record or from position 1 if no end position was specified.

**RPG —0154 ENTRIES IN COLUMNS 7-22  
ARE INVALID FOR A FIELD  
DESCRIPTION  
SPECIFICATION. BLANKS ARE  
ASSUMED.**

Severity: Terminal

Specification Type: O

**Explanation:**

The file- and record-identification entries (columns 7 through 22) must be specified on the line immediately above the first line containing the related field-description entries (columns 32 through 74).

**RPG —0155 INVALID ENTRY IN COLUMNS  
71-74. BLANKS ARE ASSUMED.**

Severity: Terminal

Specification Type: I, O

**Explanation:**

Columns 71 through 74 must be blank.

**RPG —0156 DECIMAL POSITIONS ENTRY  
IN COLUMN 52 IS INVALID  
FOR DEFN OPERATIONS.  
BLANK IS ASSUMED.**

Severity: Warning

Specification Type: C

**Explanation:**

When you use the DEFN operation, the number of decimal positions in the new field cannot be determined by a decimal positions entry in column 52. The new field will have the same number of decimal positions as the entry in factor 2.

**RPG —0157 FIELD LENGTH IN COLUMNS  
49 - 51 AND/OR DECIMAL  
POSITIONS IN COLUMN 52 IS  
INVALID. BLANKS ARE  
ASSUMED.**

Severity: Warning

**Explanation:**

When no result field is specified for a DO operation, columns 49-52 must be blank.

**RPG —0158 TABLE NAME IS INVALID  
ENTRY FOR FIELD NAME IN  
COLUMNS 53-58.**

Severity: Terminal

Specification Type: I

**RPG —0159 MISSING  
RECORD-IDENTIFYING  
INDICATOR IN COLUMNS  
19-20.**

Severity: Warning

Specification Type: I

**Explanation:**

No record-identifying indicator is specified in columns 19 and 20. Check your input specifications to determine whether a record-identifying indicator should be specified in columns 19 and 20.

**RPG —0160 FILE NAME IN COLUMNS 7-14  
IS NOT SPECIFIED AS AN  
INPUT OR UPDATE -  
PRIMARY, SECONDARY,  
DEMAND, CHAINED, OR  
FULL-PROCEDURAL FILE.**

Severity: Terminal

Specification Type: I

**Explanation:**

The file named in columns 7 through 14 was not previously defined in the file description specifications as an input or

update file and designated as a primary, secondary, demand, chained, or full-procedural file.

**RPG —0161 AND OR OR LINE IS INVALID WITH LOOK-AHEAD RECORDS, DATA STRUCTURES, OR RLABL OPERATION CODE.**

Severity: Terminal

Specification Type: I, C

**Explanation:**

An AND or OR line cannot be used with a look-ahead field (\*\* in columns 19 and 20) or a data structure on the input specifications or with an RLABL operation code on the calculation specifications.

**RPG —0162 RECORD-IDENTIFYING INDICATOR IN COLUMNS 19-20 IS INVALID FOR AN AND LINE.**

Severity: Warning

Specification Type: I

**Explanation:**

A record-identifying indicator is in columns 19 and 20 of an AND line. Blanks are assumed.

**RPG —0163 ENTRIES IN COLUMNS 17-18 AND 21-42 ARE INVALID FOR LOOK-AHEAD RECORD. ENTRIES IN COLUMNS 59-74 ARE INVALID FOR LOOK-AHEAD FIELD OR FOR FIELD IN A DATA STRUCTURE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Columns 17 and 18 and columns 21 through 42 must be blank for look-ahead records. Columns 59 through 74 must be blank for look-ahead fields. Columns 59 through 74 must be blank for a field in a data structure.

**RPG —0165 INDICATORS IN COLUMNS 65-70 ARE INVALID FOR TABLE/ARRAY OR FOR FIELD DEFINED AS DATA STRUCTURE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Field indicators cannot be used if columns 53 through 58 contain an array/table name. Use the field indicators to test numeric fields. Field indicators in columns 65 through 70 are invalid with a field defined as a data structure.

**RPG —0166 PLUS OR MINUS INDICATOR IN COLUMNS 65-68 IS INVALID FOR AN ALPHAMERIC FIELD.**

Severity: Terminal

Specification Type: I

**Explanation:**

A plus or minus indicator in columns 65 through 68 cannot be used to test an alphameric field. Use plus or minus indicators only to test numeric fields. An alphameric field can be tested only for a blank condition (by specifying an indicator in columns 69 and 70). Blank is assumed, but the job is ended.

**RPG —0167 RECORD-IDENTIFICATION POSITION IN COLUMNS 21-38 OR TO-ENTRY IN COLUMNS 48-51 EXCEEDS RECORD LENGTH. RECORD LENGTH IS ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

Field-location entries (columns 21 through 38 or columns 48 through 51) exceed the record length specified in the file description specifications.

**RPG —0168 FIELD NAME IN COLUMNS 53-58 IS A RESERVED WORD OTHER THAN PAGE, PAGE1-PAGE7.**

Severity: Terminal

Specification Type: I

**Explanation:**

PAGE or PAGE1 through PAGE7 are the only RPG II reserved words that can be entered in these columns.

**RPG —0169 CONTROL OR MATCHING FIELDS ARE INVALID FOR AN ARRAY OR DATA STRUCTURE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Columns 59 and 60 (control levels) and columns 61 and 62 (matching fields) must be blank for an array or for a data structure.

**RPG —0170 MATCHING OR CONTROL FIELDS ARE INVALID WITH DEMAND, CHAINED OR FULL-PROCEDURAL FILES OR WITH A WORKSTN DEVICE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Columns 59 and 60 (control levels) and columns 61 and 62 (matching fields) must be blank for demand, chained, or full-procedural files or for a WORKSTN device.

**RPG —0171 LOOK-AHEAD RECORDS ARE INVALID WITH THIS FILE TYPE OR WITH THIS DEVICE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Look-ahead records cannot be specified for demand files, chained files, full-procedural files, CONSOLE files, or WORKSTN files.

**RPG —0172 INCORRECT SEQUENCE OF INPUT SPECIFICATIONS. IF A DATA STRUCTURE IS SPECIFIED, IT MUST BE THE LAST INPUT SPECIFIED.**

Severity: Terminal

Specification Type: I

**Explanation:**

One of the following two conditions exists:

- Not all records from one input or update file are specified consecutively.
- A data structure is not specified last on the input specifications.

**RPG —0173 NO FIELDS ARE SPECIFIED FOR THIS LOOK-AHEAD RECORD.**

Severity: Terminal

Specification Type: I

**Explanation:**

A look-ahead record is specified (\*\* in columns 19 and 20), but no look-ahead fields are defined (columns 53 through 58).

**RPG —0174 LIMITS FILE IS NOT PROCESSED BY RECORD ADDRESS FILE OR BY SETLL OPERATION CODE.**

Severity: Terminal

Specification Type: F, C

**Explanation:**

A file is designated to be processed sequentially within limits, but does not have a record address file or a SETLL operation code associated with it.

**RPG —0175 INVALID FILE TYPE FOR SETLL OPERATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

The file to be processed by a SETLL operation code must be a limits file that has not already been specified to be processed by a record address file.

**RPG —0178 BINARY FORMAT IS INVALID WITH CONTROL OR MATCHING FIELDS.**

Severity: Terminal

Specification Type: I

**Explanation:**

Binary fields cannot be used as control or matching fields.

**RPG —0179 ARRAY LENGTH SPECIFIED IN DATA STRUCTURE IS NOT LARGE ENOUGH TO CONTAIN ARRAY AS SPECIFIED IN EXTENSION SPECIFICATIONS.**

Severity: Terminal

Specification Type: I

**RPG —0180 ARRAY LENGTH EXCEEDS LENGTH SPECIFIED IN COLUMNS 36-42 OF EXTENSION SPECIFICATIONS OR IS NOT A MULTIPLE OF**

**THE ENTRY LENGTH IN  
COLUMNS 40-42 OF THE  
EXTENSION SPECIFICATIONS.**

Severity: Terminal

Specification Type: I

**RPG —0181 INCONSISTENT FIELD  
LENGTHS FOR CONTROL OR  
MATCHING FIELDS OF ONE  
LEVEL. FIRST VALID LENGTH  
IS ASSUMED.**

Severity: Terminal

Specification Type: I

**RPG —0182 INVALID SPLIT CONTROL  
FIELD IS SPECIFIED.  
PREVIOUS TOTAL LENGTH  
FOR THIS LEVEL IS  
ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

Entries for split control fields of the same level are not specified on successive lines.

**RPG —0183 CONTROL OR MATCHING  
FIELDS OF A LEVEL ARE  
SPECIFIED AS BOTH  
ALPHAMERIC AND NUMERIC.  
NUMERIC IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

Not all control and matching fields assigned the same level are the same type (alphameric or numeric). Numeric is assumed for all fields assigned the same control or matching level. If any field specified as alphameric is greater than 15 characters, only a portion of the field is used.

**RPG —0184 NOT ALL OF THE VALID  
MATCH LEVELS WERE  
REFERENCED IN THE LAST  
RECORD GROUP.**

Severity: Terminal

Specification Type: I

**Explanation:**

The same number of match levels must be specified for each record type in a file.

**RPG —0186 MATCH OR CONTROL FIELDS  
WITHOUT  
FIELD-RECORD-RELATION  
ENTRIES MUST PRECEDE  
MATCH OR CONTROL FIELDS  
WITH  
FIELD-RECORD-RELATION  
ENTRIES. PART OF A NEW  
GROUP OF MATCH FIELDS IS  
ASSUMED.**

Severity: Terminal

Specification Type: I

**RPG —0187 MATCH AND CONTROL  
FIELDS WITH  
FIELD-RECORD-RELATION  
ENTRIES MUST BE GROUPED  
ACCORDING TO THE  
FIELD-RECORD-RELATION  
INDICATOR. NEW GROUP OF  
MATCH FIELDS IS ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

When field-record-relation indicators are used, all match and control fields assigned the same indicator (columns 63 and 64) must be grouped together.

**RPG —0188 FIELD-RECORD-RELATION  
INDICATOR IS USED  
IMPROPERLY WITH MATCH  
OR CONTROL FIELD.**

Severity: Terminal

Specification Type: I

**Explanation:**

When used with match or control fields, the field-record-relation indicator in columns 63 and 64 must match a record-identifying indicator used for this record.

**RPG —0189 INVALID SEQUENCE FOR  
CALCULATION  
SPECIFICATIONS.**

Severity: Terminal

Specification Type: C

**Explanation:**

Calculation specifications must be specified in the following order: detail, total, subroutine.

**RPG —0190 INVALID SEQUENCE FOR  
BEGSR AND ENDSR  
OPERATION CODES.**

Severity: Terminal

Specification Type: C

**Explanation:**

The BEGSR operation code must come before the ENDSR operation code.

**RPG —0191 A SUBROUTINE MUST NOT  
CALL ITSELF.**

Severity: Terminal

Specification Type: C

**Explanation:**

An EXSR or CAS specification within a subroutine must not call the subroutine it is in. If you wish to branch to another point within the same subroutine, use the GOTO and TAG operation codes.

**RPG —0192 BRANCHING BETWEEN  
SUBROUTINE AND OTHER  
CALCULATIONS IS INVALID.**

Severity: Terminal

Specification Type: C

**Explanation:**

Branching (GOTO and TAG operations) can occur within a subroutine, but not into a subroutine or out of a subroutine.

**RPG —0193 BRANCHING BETWEEN  
DETAIL, TOTAL, AND LR  
CALCULATIONS IS INVALID.**

Severity: Terminal

Specification Type: C

**Explanation:**

Branching must be from detail operation to detail operation or from total operation to total operation. It cannot be from detail to total operation or vice versa.

**RPG —0194 SETOF OPERATION IS  
INVALID FOR LR INDICATOR.**

Severity: Terminal

Specification Type: C

**Explanation:**

The LR indicator cannot be turned off by the SETOF operation code.

**RPG —0195 LENGTH OF SEARCH WORD IS  
NOT EQUAL TO LENGTH OF  
ELEMENT IN TABLE OR  
ARRAY.**

Severity: Terminal

Specification Type: C

**Explanation:**

The length of the search word (factor 1) is not equal to the length of the element in the array or table being searched.

**RPG —0196 FACTOR 2 OR RESULT FIELD  
IS INVALID FOR LOKUP  
OPERATION CODE.**

Severity: Terminal

Specification Type: C

**RPG —0197 SEARCH TABLE HAS MORE  
ENTRIES THAN ITS RELATED  
TABLE.**

Severity: Warning

Specification Type: C

**Explanation:**

The search table (factor 2) contains more entries than its related table, which is specified in the result field.

**RPG —0198 INDICATOR ENTERED IN  
COLUMNS 54-57 IS INVALID  
WITH LOKUP OPERATION  
CODE ON AN UNSEQUENCED  
TABLE OR ARRAY.**

Severity: Warning

Specification Type: C

**Explanation:**

A LOKUP operation should not be used to search an unsequenced array or table for a high or low condition (by specifying an indicator in columns 54 and 55 or in columns 56 and 57). Unpredictable results can occur. A LOKUP operation can be used to search an unsequenced array or table for an equal condition only (by specifying an indicator in columns 58 and 59).

**RPG —0199 TEST FOR BOTH HIGH AND LOW IS INVALID FOR LOKUP OPERATION CODE.**

Severity: Terminal

Specification Type: C

**RPG —0200 RESULTING INDICATORS IN COLUMNS 54-59 ARE REQUIRED OR NOT ALLOWED FOR OPERATION SPECIFIED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The resulting indicator entry in columns 54 through 59 is not specified properly. Check to determine whether resulting indicators are required for this operation. If so, make the proper entries (01-99, H1-H9, L1-L9, LR, OA-OG, OV, or KA-KN, KP-KY).

**RPG —0201 HALF-ADJUST ENTRY IN COLUMN 53 FOR DIV OPERATION CODE IS INVALID WHEN FOLLOWED BY AN MVR OPERATION CODE. NO HALF-ADJUST IS ASSUMED.**

Severity: Warning

Specification Type: C

**Explanation:**

When an MVR (move remainder) operation follows a DIV (divide) operation, the DIV operation must not be half-adjusted.

**RPG —0202 MVR OPERATION CODE DOES NOT FOLLOW DIV OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The MVR (move remainder) operation must immediately follow a DIV (divide) operation.

**RPG —0204 HALF-ADJUST ENTRY IN COLUMN 53 IS INVALID FOR OPERATION OR NUMBER OF DECIMAL POSITIONS SPECIFIED. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: C

**RPG —0205 COMP, TESTZ, MVR, IF, DO, DOW, DOU OR CAS IS INVALID FOR AN ARRAY.**

Severity: Terminal

Specification Type: C

**Explanation:**

An entire array cannot be used in this statement. Use either a field or an array element.

**RPG —0206 INVALID USE OF COMP, LOKUP, IF, DOW, DOU OR CAS OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

A COMP, LOKUP, IFxx, DOWxx, DOUxx, or CASxx operation is specified improperly. Make sure that both factor 1 and factor 2 of a COMP, IF, DOW, DOU or CAS operation are alphameric or that both are numeric. If this is a LOKUP operation, make sure that both the search word and the array or table to be searched are alphameric or that both are numeric.

**RPG —0207 FIELD TYPE, ALPHAMERIC OR NUMERIC, IS INVALID FOR OPERATION SPECIFIED.**

Severity: Terminal

Specification Type: C

**RPG —0208 FORCE OPERATION CODE IS INVALID AT TOTAL TIME.**

Severity: Terminal

Specification Type: C

**Explanation:**

A FORCE operation must be specified at detail time only.

**RPG —0209 FILE TYPE SPECIFIED IS INVALID FOR THIS OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The DEBUG operation must be used with an output file. The EXCPT operation must be used with an output file, an update file, or a combined file. The FORCE operation must be used with an input, update, or combined file used as a primary or secondary file. The READ operation must be used with an input, update, or combined file used as a demand or full-procedural file. The READP and READE operation codes must be used with an input or update full-procedural file. READE must be used with an indexed file.

**RPG —0211 DEBUG OPERATION CODE IS SPECIFIED FOR MORE THAN ONE OUTPUT FILE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The filename entered in factor 2 must be the same for all DEBUG operations.

**RPG —0212 EXCPT OPERATION CODE WITH A BLANK EXCPT NAME IS SPECIFIED IN FACTOR 2, BUT NO EXCPT OUTPUT WITH A BLANK EXCPT NAME IS SPECIFIED.**

Severity: Warning

Specification Type: C

**Explanation:**

The EXCPT operation code with a blank EXCPT name in factor 2 is used, but no EXCPT record with a blank EXCPT name is specified (E in column 15, blank in columns 32 through 37 of the output specifications).

**RPG —0213 PROGRAM CONTAINS UNASSOCIATED OR MISSING EXSR/BEGSR/CAS LABEL.**

Severity: Terminal

Specification Type: C

**Explanation:**

One of the following two conditions exists:

- The label in factor 2 of an EXSR operation or result field of a CASxx operation is not the same as the label in factor 1 of a BEGSR operation.
- There is no EXSR or CASxx operation for a subroutine.

**RPG —0214 GOTO OPERATION CODE BRANCHES TO A BEGSR NAME.**

Severity: Terminal

Specification Type: C

**Explanation:**

The label in factor 2 of a GOTO operation must be the same as the label in factor 1 of a TAG or ENDSR operation. The EXSR operation must be used to call a subroutine.

**RPG —0215 FACTOR 1 ENTRY IN COLUMNS 18-27 IS MISSING.**

Severity: Terminal

Specification Type: C

**RPG —0216 FACTOR 1 ENTRY IN COLUMNS 18-27 IS INVALID FOR THIS OPERATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

For this operation, one of the following rules applies:

- An entry must not be specified in factor 1.
- Factor 1 must not be an alphameric literal.
- Factor 1 must not be a figurative constant.
- Factor 1 must be \*LIKE for a DEFN operation.

**RPG —0217 FACTOR 2 ENTRY IN COLUMNS 33-42 IS MISSING.**

Severity: Terminal

Specification Type: C

**RPG —0218 FACTOR 2 ENTRY IN COLUMNS 33-42 IS INVALID FOR THIS OPERATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

For this operation, one of the following rules applies:

- An entry must not be specified in factor 2.
- Factor 2 must not be an alphameric literal.
- Factor 2 must not be a figurative constant.
- Factor 2 must not be a filename.

- The entry specified for the ENDSR operation code for the INFSR subroutine must be \*DETC, \*GETIN, \*CANCL, blank, or a field name.

**RPG —0219 RESULT FIELD ENTRY IN COLUMNS 43-48 IS MISSING.**

Severity: Terminal

Specification Type: C

**RPG —0220 RESULT FIELD ENTRY IN COLUMNS 43-48 IS INVALID FOR THIS OPERATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

An entry must not be specified in the result field for this operation.

**RPG —0221 RESULT FIELD LENGTH MAY NOT BE LARGE ENOUGH.**

Severity: Warning

Specification Type: C

**Explanation:**

The result field may not be large enough for the calculation operation specified. Depending on the contents of the field, significant digits may be lost or unpredictable results may occur.

**RPG —0222 FIELD LENGTH ENTRY IN COLUMNS 49-51 IS INVALID FOR DEFN OPERATIONS.**

Severity: Terminal

Specification Type: C

**Explanation:**

If the field length entry of a DEFN operation is not blank, a plus (+) or minus (-) sign must be specified in column 49, and a right-justified number must be specified in columns 50-51.

**RPG —0223 SUBROUTINE SPECIFICATIONS ARE THE ONLY CALCULATION SPECIFICATIONS SPECIFIED.**

Severity: Terminal

Specification Type: C

**Explanation:**

Subroutine specifications do not follow detail and total calculations.

**RPG —0224 A ZERO CONSTANT IS INVALID AS A DIVISOR IN COLUMNS 33-42.**

Severity: Terminal

Specification Type: C

**Explanation:**

The constant entered in factor 2 of a DIV operation must not be zero.

**RPG —0225 CONDITIONING INDICATORS IN COLUMNS 9-17 ARE INVALID WITH TAG, BEGSR, ENDSR, RLABL, DEFN OR ELSE OPERATION CODES.**

Severity: Terminal

Specification Type: C

**RPG —0226 A RESERVED WORD OTHER THAN PAGE IS INVALID.**

Severity: Terminal

Specification Type: C, I, O

**Explanation:**

No reserved word other than PAGE or PAGE1 through PAGE7 can be specified as a result field. CONTD is a reserved word for compatibility with other systems. Make sure no reserved word other than PAGE or PAGE1 through PAGE7 is specified in columns 43 through 48 as the result field.

**RPG —0227 RESULT FIELD IN COLUMNS 43-48 IS A LOOK-AHEAD FIELD OR CONSTANT.**

Severity: Terminal

Specification Type: C

**Explanation:**

The result field must not be a look ahead field or a constant.

**RPG —0228 INVALID INDEX.**

Severity: Terminal

Specification Type: C,I

**Explanation:**

The array index is not specified properly. The index field name must contain a valid combination of characters. The index constant or field value must be a positive number that does not exceed the number of elements in the array and that has zero decimal positions.

**RPG —0229 INDEXING INVALID FOR TABLES OR FIELDS.**

Severity: Terminal

Specification Type: C,I

**Explanation:**

Indexing can be specified for arrays only.

**RPG —0231 GOTO OPERATION CODE DOES NOT BRANCH TO A TAG OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The label in factor 2 of this GOTO operation is not the same as the label in factor 1 of a TAG or ENDSR operation.

**RPG —0232 THIS NAME WAS PREVIOUSLY USED ON A TAG, BEGSR, OR ENDSR OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The label in factor 1 was previously specified in another TAG, BEGSR, or ENDSR operation.

**RPG —0233 COLUMN 15, CONFIGURATION, CONTAINS AN INVALID ENTRY. IF TYPE OF CONTROL, COLUMN 17, IS BLANK, SWITCHED NETWORK IS ASSUMED. IF COLUMN 17 IS NOT BLANK, MULTIPOINT NETWORK IS ASSUMED.**

Severity: Terminal

Specification Type: T

**RPG —0234 TYPE OF STATION, COLUMN 16, DOES NOT CONTAIN T OR R.**

Severity: Terminal

Specification Type: T

**Explanation:**

The type of station entry in column 16 is neither T nor R. Enter T (for a transmitter station) or R (for a receiver station).

**RPG —0235 TYPE OF CONTROL, COLUMN 17, CONTAINS A CHARACTER OTHER THAN T OR BLANK. IF THIS IS A SWITCHED OR POINT-TO-POINT NETWORK, BLANK IS ASSUMED. IF MULTIPOINT, T IS ASSUMED.**

Severity: Warning

Specification Type: T

**Explanation:**

The type of control entry in column 17 is neither T nor blank. Blank is assumed if this is a switched network or a point-to-point leased line (column 15 contains an S or P); T is assumed if this is a multipoint leased line (column 15 contains an M).

**RPG —0236 TYPE OF CODE, COLUMN 18, IS NOT U, A, E, OR BLANK. EBCDIC IS ASSUMED.**

Severity: Warning

Specification Type: T

**Explanation:**

The type of code entry in column 18 is not U or A for ASCII, or E or blank for EBCDIC.

**RPG —0237 TRANSPARENCY FEATURE, COLUMN 19, IS NOT Y, N, OR BLANK. NO TRANSPARENCY IS ASSUMED.**

Severity: Warning

Specification Type: T

**Explanation:**

The entry in column 19 is not Y for transparency or N or blank for no transparency.

**RPG —0238 INVALID ENTRY IN COLUMN 20. MUST CONTAIN AN A, B, M, OR BLANK.**

Severity: Terminal

Specification Type: T

**Explanation:**

The entry in column 20 is not M, A, B, or blank. The system ignores entries in columns 21 through 31.

**RPG —0239 ENTRY FOR DIAL NUMBER, COLUMNS 21-31, IS NOT ALLOWED.**

Severity: Terminal

Specification Type: T

**RPG —0240 IDENTIFICATION TYPE FOR THIS STATION, COLUMN 32, IS NOT S, E, OR BLANK. COLUMNS 33-39 WILL NOT BE CHECKED.**

Severity: Warning

Specification Type: T

**RPG —0241 IDENTIFICATION FOR THIS STATION, COLUMNS 33-39, CONTAIN AN INVALID ENTRY FOR THE IDENTIFICATION TYPE SPECIFIED IN COLUMN 32.**

Severity: Terminal

Specification Type: T

**Explanation:**

The identification entry in columns 33 through 39 is invalid for the identification type specified in column 32. Enter the identification sequence in columns 33 through 39 if column 32 contains an E; enter the symbolic name in columns 33 through 39 if column 32 contains an S.

**RPG —0242 IDENTIFICATION TYPE FOR THE REMOTE STATION, COLUMN 40, IS NOT S, E, OR BLANK. COLUMNS 41-47 WILL NOT BE CHECKED.**

Severity: Warning

Specification Type: T

**RPG —0243 REMOTE STATION IDENTIFICATION IN COLUMNS 41-47, IS INVALID FOR THE IDENTIFICATION TYPE SPECIFIED IN COLUMN 40.**

Severity: Terminal

Specification Type: T

**RPG —0244 COLUMNS 48-51 AND/OR 65-70 MUST BE BLANK.**

Severity: Terminal

Specification Type: T

**RPG —0245 ITB, COLUMN 52, IS NOT I OR BLANK. I IS ASSUMED.**

Severity: Warning

Specification Type: T

**RPG —0246 PERMANENT-ERROR INDICATOR, COLUMNS 53-54, IS INVALID.**

Severity: Terminal

Specification Type: T

**Explanation:**

The indicator specified in columns 53 and 54 is not 01-99, L1-L9, LR, or H1-H9.

**RPG —0247 WAIT TIME, COLUMNS 55-57, IS INVALID. SYSTEM CONVENTION FOR TIMEOUT, 180 SECONDS IS ASSUMED.**

Severity: Warning

Specification Type: T

**Explanation:**

The wait time entry specified in columns 55 through 57 is not 1-999 or blank.

**RPG —0248 RECORD-AVAILABLE INDICATOR, COLUMNS 58-59, IS INVALID.**

Severity: Terminal

Specification Type: T

**Explanation:**

The record-available indicator specified in columns 58 and 59 is not 01-99, L1-L9, LR, or H1-H9.

**RPG —0249 LAST FILE PROCESSED, COLUMN 60, IS NOT L OR BLANK.**

Severity: Terminal

Specification Type: T

**Explanation:**

The last file processed entry in column 60 is not L or blank. Enter L in column 60 if the BSCA input file must be processed last; blank if not.

**RPG —0250 POLLING CHARACTERS,  
COLUMNS 61-62, CONTAIN AN  
INVALID CHARACTER FOR  
THE CODE-TYPE ENTRY IN  
COLUMN 18.**

Severity: Terminal

Specification Type: T

**Explanation:**

The polling characters specified in columns 61 and 62 are invalid, or are missing on a line configuration that requires them. (A list of the valid polling characters is included in the manual, *Planning for Data Communications*, GA21-9441.)

**RPG —0251 ADDRESSING CHARACTERS,  
COLUMNS 63-64, ARE INVALID  
FOR THE CODE-TYPE ENTRY  
IN COLUMN 18. ENTRY IS  
IGNORED.**

Severity: Terminal

Specification Type: T

**Explanation:**

The addressing characters in columns 63 and 64 are invalid for the code type specified in column 18, or are missing on a line configuration that requires them. (A list of the valid addressing characters is included in the manual, *Planning for Data Communications*, (GA21-9441).)

**RPG —0258 SPACE AND/OR SKIP ENTRIES  
IN COLUMNS 17-22 ARE  
INVALID FOR DEVICE.  
BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The space and/or skip entries in columns 17 through 22 are invalid for the device. Leave columns 17 through 22 blank for all devices except CRT and PRINTER.

**RPG —0259 SKIP ENTRIES IN COLUMNS  
19-22 ARE INVALID OR  
GREATER THAN FORM  
LENGTH SPECIFIED. BLANKS  
ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The skip entries in columns 19 through 22 are not specified properly or they exceed the form length in your line counter specifications.

**RPG —0260 INVALID SPACE ENTRIES IN  
COLUMNS 17-18, SPACE 1  
AFTER OR BLANK IS  
ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The space entries in columns 17 and 18 are not a number from 0 to 3 or blank. If the space entries in columns 17 and 18 are invalid and the skip after entry is blank, a space after of 1 is assumed. When skip and space before entries are valid but space after is not, space after is assumed blank.

**RPG —0261 FETCH OVERFLOW ENTRY IN  
COLUMN 16 IS INVALID FOR  
THIS DEVICE. BLANK IS  
ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The fetch overflow entry specified in column 16 is invalid for the device. Specify fetch overflow for a PRINTER file only. Blank is assumed; therefore, no fetch overflow is done.

**RPG —0262 OVERFLOW INDICATOR IS  
INVALID FOR AN EXCEPT  
RECORD.**

Severity: Terminal

Specification Type: O

**Explanation:**

An overflow indicator must not be specified for an exception record (E in column 15).

**RPG —0263 FETCH OVERFLOW IS  
INVALID WITH OVERFLOW  
INDICATOR ENTERED IN  
COLUMNS 23-31. NO FETCH IS  
ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

An overflow indicator and fetch overflow (F in column 16) must not be specified on the same output line. Blank in column 16 is assumed; therefore, no fetch overflow is done.

**RPG —0264 OVERFLOW INDICATOR USED IS NOT ASSIGNED TO THIS FILE.**

Severity: Terminal

Specification Type: O

**Explanation:**

The overflow indicator specified was not assigned to this file in your file description specifications.

**RPG —0265 1P INDICATOR IS INVALID WITH TOTAL OR EXCPT RECORDS.**

Severity: Warning

Specification Type: O

**Explanation:**

First page (1P) indicator must not be specified for total or exception records. Specify the 1P indicator with heading and detail records only.

**RPG —0266 FETCH OVERFLOW IS INVALID WITH 1P INDICATOR. NO FETCH OVERFLOW IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

A fetch overflow line (F in column 16) must not be conditioned by the 1P indicator.

**RPG —0267 1P INDICATOR IS INVALID FOR COMBINED FILES.**

Severity: Terminal

Specification Type: O

**RPG —0269 INVALID INDICATORS USED IN AN AND RELATIONSHIP WITH 1P.**

Severity: Terminal

Specification Type: O

**Explanation:**

Only external indicators (U1-U8) can be specified in an AND relationship with the 1P indicator.

**RPG —0270 END POSITION ENTRY IN COLUMNS 40-43 FOR CONSTANT, EDIT WORD, FIELD, DATA STRUCTURE, TABLE, OR ARRAY EXCEEDS RECORD LENGTH.**

Severity: Terminal

Specification Type: O

**Explanation:**

The end position entry in columns 40 through 43 exceeds the record length specified in your file description specifications.

**RPG —0271 LENGTH OF TABLE ELEMENT, ARRAY, ARRAY ELEMENT, DATA STRUCTURE, OR FIELD EXCEEDS RECORD LENGTH.**

Severity: Terminal

Specification Type: O

**Explanation:**

The length specified for a table element, array, array element, data structure, or field exceeds the record length specified in your file description specifications.

**RPG —0272 END POSITION ENTRY IN COLUMNS 40-43 FOR CONSTANT, EDIT WORD, FIELD, DATA STRUCTURE, OR ARRAY IS TOO LOW.**

Severity: Terminal

Specification Type: O

**Explanation:**

The end position entry in columns 40 through 43 is too small to allow data to be written, printed, or displayed in its entirety.

**RPG —0273 OUTPUT INDICATORS IN COLUMNS 23-31 ARE MISSING OR ALL NEGATIVE.**

Severity: Warning

Specification Type: O

**Explanation:**

No output indicators are specified in columns 23 through 31 or all those indicators specified are negative. Output may be written when not desired. Specify at least one positive indicator to condition output records to ensure that output is written only when desired.

**RPG —0274 INDICATORS ARE MISSING FOR AN AND OR OR LINE.**

Severity: Warning

Specification Type: O

**Explanation:**

No conditioning indicators were specified in columns 23 through 31 for an AND or OR line.

**RPG —0275 CONDITIONING INDICATORS, COLUMNS 23-31, CAN NOT BE SPECIFIED ON THE OUTPUT LINE CONTAINING THE WORKSTN FORMAT NAME.**

Severity: Terminal

Specification Type: O

**Explanation:**

Conditioning indicators must not be used to condition output of a WORKSTN format except by entire record.

**RPG —0276 INVALID EDIT CODE IN COLUMN 38.**

Severity: Terminal

Specification Type: O

**Explanation:**

The edit code specified in column 38 is not one of the following: 1-4, A-D, J-M, X, Y, Z, or blank.

**RPG —0277 INVALID EDIT WORD SIZE.**

Severity: Terminal

Specification Type: O

**Explanation:**

The number of replaceable characters in this edit word (columns 45 through 70) must equal the length of the field to be edited.

**RPG —0278 EDIT CODES ARE INVALID WITH FIELDS OTHER THAN UNPACKED NUMERIC FIELDS OR WITH CONSTANTS OTHER THAN \* OR THE CURRENCY SYMBOL.**

Severity: Terminal

Specification Type: O

**RPG —0279 CONSTANTS IN COLUMNS 45-70 ARE INVALID FOR X, Y, AND Z EDIT CODES.**

Severity: Terminal

Specification Type: O

**Explanation:**

Edit codes X, Y, and Z must not be specified for edit words with the currency symbol or \* in columns 45 through 47.

**RPG —0280 FIELD LENGTH FOR Y EDIT CODE IS LESS THAN 3 OR GREATER THAN 6. IF GREATER THAN 6, ONLY LOW ORDER 6 DIGITS ARE EDITED.**

Severity: Warning

Specification Type: O

**Explanation:**

The field edited by the Y edit code is not from 3 to 6 characters long. If less than 3 characters long, the field is not edited; if more than 6 characters long, only the 6 low-order digits are edited.

**RPG —0281 DECIMAL POSITIONS ARE INVALID FOR FIELD EDITED BY Y CODE.**

Severity: Terminal

Specification Type: O

**Explanation:**

Decimal positions must not be specified for a field edited by the Y code.

**RPG —0282 NAME OF FIELD TO BE EDITED, BY CODE SPECIFIED IN COLUMN 38, IS MISSING.**

Severity: Terminal

Specification Type: O

**Explanation:**

An edit code is specified in column 38, but the name of the field to be edited is not entered in columns 32 through 37.

**RPG —0283 INVALID FILE TYPE FOR OUTPUT RECORD.**

Severity: Terminal

Specification Type: O

**Explanation:**

The file specified in columns 7 through 14 of your output specifications is not an update file, combined file, output file, or a file associated with ADD.

**RPG —0284 OUTPUT INDICATORS IN COLUMNS 23-31 ARE MISSING OR ALL NEGATIVE, AND EXCPT NAME IN COLUMNS 32-37 IS BLANK.**

Severity: Warning

Specification Type: O

**Explanation:**

For this EXCPT output, both of the following conditions exist:

- No EXCPT name is specified in columns 32 through 37
- No output indicators are specified in columns 23 through 31, or all the specified indicators are negative.

Therefore, the EXCPT output might be written when not desired.

**RPG —0285 NUMBER OF OUTPUT SPECIFICATION RECORD LINE GROUPS CONTAINING EITHER A 1P OR OVERFLOW INDICATOR AND AN 'OR' STATEMENT EXCEEDS 255**

Severity: Terminal

Specification Type: O

**Explanation:**

A maximum of 255 groups of output specification record lines including either a 1P or an overflow indicator and an OR condition may be used.

**RPG —0287 COLUMNS 32-37 ARE NOT BLANK WHEN COLUMNS 40-43 CONTAIN K1-K8.**

Severity: Terminal

Specification Type: O

**Explanation:**

Format names and operation codes may not be in fields; they must be constants.

**RPG —0288 BLANK-AFTER ENTRY IN COLUMN 39 IS INVALID WITH RESERVED WORD OTHER THAN PAGE. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: O

**RPG —0290 \*PLACE PRECEDES ALL FIELD NAMES AND CONSTANTS.**

Severity: Terminal

Specification Type: O

**Explanation:**

When \*PLACE is used, it must be specified after fields that are to be placed in different locations. Specify the fields to be moved before you specify \*PLACE.

**RPG —0291 INVALID ENTRIES IN COLUMNS 38, 39, OR 44-74 FOR OUTPUT OPERATION. BLANKS ARE ASSUMED.**

Severity: Terminal

Specification Type: O

**Explanation:**

Columns 38, 39, and 44 through 74 must be blank for \*PLACE.

**RPG —0292 TOO MANY OR LINES.**

Severity: Terminal

Specification Type: I, O

**Explanation:**

More than 20 OR lines are specified in your input or output specifications.

**RPG —0293 BLANK-AFTER IS SPECIFIED FOR A CONSTANT.**

Severity: Warning

Specification Type: O

**Explanation:**

Blank after (B in column 39) should not be specified for a constant because constants will be blanked out whenever they are used.

**RPG —0294 INVALID ENTRY IN COLUMN 42. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: I

**Explanation:**

Column 42 must be left blank.

**RPG —0295 INVALID ENTRY IN COLUMN  
16. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Column 16 was not F, R, or blank.

**RPG —0296 FORMAT NAME FOR  
WORKSTN FILE OUTPUT IS  
REQUIRED, BUT MISSING OR  
MULTIPLE FORMAT NAMES  
ARE SPECIFIED FOR ONE  
OUTPUT RECORD.**

Severity: Terminal

Specification Type: O

**Explanation:**

One format name is required, but no more than one format name is allowed for each WORKSTN output record.

**RPG —0300 VALUE OF ARRAY INDEX  
EXCEEDS NUMBER OF ARRAY  
ELEMENTS.**

Severity: Terminal

Specification Type: O,I

**Explanation:**

The array index specified exceeds the number of elements in the array. The index must not exceed the number of array elements specified for the array in columns 36 through 39 of your extension specifications.

**RPG —0302 BLANK-AFTER ENTRY IN  
COLUMN 39 IS INVALID FOR  
LOOK-AHEAD FIELD. BLANK  
IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Column 39 must be blank for a look-ahead field.

**RPG —0304 INVALID INDICATOR OR  
IMPROPER USE OF A VALID  
INDICATOR.**

Severity: Terminal

Specification Type: I, C, O

**Explanation:**

The indicator specified is invalid or used improperly, or a data structure is specified incorrectly. If the indicator is invalid, make the proper indicator entry (only indicators 01-99, H1-H9, L1-L9, LR, U1-U8, OA-OG, OV, KA-KN, KP-KY can be assigned). If the indicator has been used improperly, see the restrictions concerning proper use of indicators in Chapter 12 *Using Indicators* in the manual, *Programming with RPG II*. A data structure (DS) is specified incorrectly in columns 19 and 20 of the input specifications.

**RPG —0305 INDICATOR IS ASSIGNED BUT  
IS NOT USED TO CONDITION  
OPERATIONS.**

Severity: Warning

Specification Type: I, C, O

**RPG —0306 INDICATOR IS USED TO  
CONDITION OPERATIONS BUT  
IS NOT ASSIGNED.**

Severity: Terminal

Specification Type: I, C, O

**Explanation:**

All indicators except LR, MR, 1P, L0, and, if a WORKSTN file is specified, KA-KN and KP-KY must be assigned before they can be used to condition operations.

**RPG —0307 FILENAME IS DEFINED BUT  
NEVER USED. SPECIFICATION  
IS DROPPED.**

Severity: Warning

Specification Type: F

**Explanation:**

A filename was defined in columns 7 through 14, but no input or output specifications exist for this file. Remove the file description specifications for files not used in the program.

**RPG —0308 SEQUENCING IS INVALID FOR  
FILE WITH NO MATCH FIELD.  
COLUMN 18 ON FILE  
DESCRIPTION SPECIFICATION  
IS ASSUMED TO BE BLANK.**

Severity: Warning

Specification Type: F

**RPG —0309 SEQUENCE ENTRY IS INVALID OR BLANK FOR FILE WITH MATCH FIELD SPECIFIED. FIRST VALID SEQUENCE OR A IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

No sequence entry (A or D) or an invalid sequence entry is specified in column 18 for a file with match fields. For a primary file, A is assumed. If no valid sequence entry is specified for a secondary file, the primary value is assumed.

**RPG —0310 EXTENSION CODE IS SPECIFIED IN COLUMN 39 ON FILE DESCRIPTION SPECIFICATION FOR THIS FILE, BUT EXTENSION SPECIFICATION IS MISSING.**

Severity: Terminal

Specification Type: F

**Explanation:**

An extension code is specified (E in column 39) in your file description specifications, but no extension specifications were supplied. Either supply the proper extension specifications or delete the E for column 39 of your file description specifications if no extension specifications are required for this program.

**RPG —0311 AN EXTENSION OR LINE COUNTER SPECIFICATION IS PROVIDED FOR THIS FILE, BUT AN EXTENSION CODE IS NOT ENTERED IN COLUMN 39 OF THE FILE DESCRIPTION SPECIFICATIONS.**

Severity: Warning

Specification Type: F

**Explanation:**

An extension code (E in column 39 of file description) is assumed.

**RPG —0314 FIELD, TABLE, OR ARRAY NAME IS DEFINED BUT NEVER USED.**

Severity: Warning

Specification Type: E, I, C

**RPG —0315 FIELD NAME IS USED BUT NEVER DEFINED, OR TABLE NAME OR ARRAY ELEMENT IS USED AS AN ARRAY INDEX.**

Severity: Terminal

Specification Type: C, O

**RPG —0316 INVALID DEFINITION FOR RESERVED WORD. VALID DEFINITION IS ASSUMED.**

Severity: Terminal

Specification Type: I, C

**Explanation:**

The field named by one of the RPG II reserved words is not specified according to the predefined format. Reserved words are not valid in a data structure.

**RPG —0317 NUMBER OF DECIMAL POSITIONS SPECIFIED EXCEEDS FIELD LENGTH.**

Severity: Terminal

Specification Type: I, C, O

**RPG —0318 NO RECORD IS CONDITIONED BY 1P, BUT FORMS POSITIONING IS SPECIFIED ON CONTROL SPECIFICATION.**

Severity: Warning

Specification Type: H, O

**Explanation:**

Repetitive 1P output for forms positioning is specified in the control specifications, but 1P is not used to condition an output record.

**RPG —0319 NO DATA FOR ALTERNATE COLLATING SEQUENCE OR FILE TRANSLATION.**

Severity: Terminal

Specification Type: H

**Explanation:**

Alternate collating sequence or file translation is specified in the header line, but no alternate collating sequence table or file translation table was supplied.

**RPG —0320 INVALID ALTERNATE  
COLLATING SEQUENCE DATA  
RECORD.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

Columns 1 through 6 in the alternate collating sequence data records do not contain ALTSEQ.

**RPG —0321 FILENAME ON FILE  
TRANSLATION DATA RECORD  
IS INVALID, UNDEFINED, OR  
A TABLE FILENAME.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

The entry in columns 1 through 8 of the file translation data record is invalid, was not previously defined, or is a table filename. Make the entry in columns 1 through 8 of each file translation data record a filename previously defined in file description specifications or the characters \*FILES (=blank). The entry must not be a table filename.

**RPG —0322 ALTERNATE COLLATING  
SEQUENCE OR FILE  
TRANSLATION DATA IS  
INVALID.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

The data supplied for alternate collating sequence or file translation is invalid (not 0-9 and A-F).

**RPG —0323 TABLE OR ARRAY NAME IS  
SPECIFIED MORE THAN ONCE  
ON EXTENSION  
SPECIFICATIONS OR IS  
REDEFINED ELSEWHERE.  
DATA STRUCTURE IS  
SPECIFIED MORE THAN ONCE  
ON THE INPUT  
SPECIFICATIONS.**

Severity: Terminal

Specification Type: E, C, I

**Explanation:**

A table or array name can be specified only once in extension specifications and cannot be redefined elsewhere in the program. Make sure that the names specified in columns 27 through 32 and columns 46 through 51 of the extension specifications are specified only once, and that the table or array is defined only on the extension specifications. A data structure has been defined more than once on the input specifications.

**RPG —0324 TOTAL LENGTH OF ALL  
CONTROL FIELDS OR ALL  
MATCHING FIELDS EXCEEDS  
144 CHARACTERS.**

Severity: Terminal

Specification Type: I

**Explanation:**

The total length of all control or all matching fields is too long. Make the total length of all matching fields (M1-M9) or all control fields (L1-L9) equal to or less than 144.

**RPG —0325 ALL PRIMARY AND  
SECONDARY FILES ARE  
CONDITIONED BY EXTERNAL  
INDICATORS.**

Severity: Warning

Specification Type: I

**Explanation:**

Make sure all indicators are not off when all primary and secondary files are conditioned by external indicators (U1 through U8). If they are all off, the job will not be done.

**RPG —0326 COMPILE-TIME TABLE IS  
SPECIFIED, BUT NO DATA IS  
FOUND.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

A compile-time table or array was specified, but no table input records were supplied after the source program. Columns 11 through 18 of the extension specifications (from filename) are blank, and columns 33 through 35 of the extension specifications (number of entries per record) contain an entry.

**RPG —0327 SPLIT CONTROL FIELDS CAN  
NOT HAVE PARTS IN  
PACKED-DECIMAL FORMAT.**

Severity: Terminal

Specification Type: I

**Explanation:**

All parts of a split control field must be either packed or unpacked.

**RPG —0328 PACKED OR BINARY DATA IS ALLOWED FOR THIS DEVICE BUT MAY CAUSE ERRORS.**

Severity: Warning

Specification Type: I, O

**Explanation:**

Packed or binary data is allowed for this device but in some cases may cause errors to the device.

**RPG —0329 PACKED OR BINARY DATA IS NOT VALID FOR THIS DEVICE.**

Severity: Warning

Specification Type: I, O

**Explanation:**

Packed or binary data can be specified for DISK and WORKSTN files only. Data errors may occur if you run the program.

**RPG —0330 ALPHAMERIC FIELD IS SPECIFIED AS PACKED OR BINARY.**

Severity: Terminal

Specification Type: O

**Explanation:**

Packed data cannot be specified for alphameric fields. Specify packed data for numeric fields only.

**RPG —0331 NO INPUT SPECIFICATIONS FOR THIS FILE.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

No valid input specifications are supplied for this job. Input specifications are required for update or combined files and for input files unless the input comes from the KEYBOARD device.

**RPG —0332 SEQUENCE ERROR IN COMPILE-TIME TABLE/ARRAY.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

A compile-time table or array is not in the sequence specified in columns 45 or 57. Make sure the data is in the sequence specified (A or D) in column 45 or 57.

**RPG —0333 TABLE/ARRAY IS FULL, OR NO TABLES/ARRAYS EXIST FOR FOLLOWING DATA.**

Severity: Warning

Specification Type: Not applicable

**Explanation:**

Either too much data is supplied for the table or array, or no table or array is defined for the data supplied. Make sure that the data supplied does not exceed the maximum table size, or that a table or array is defined for the data you supply. The system accepts no more data for tables or arrays.

**RPG —0334 SHORT TABLE.**

Severity: Warning

Specification Type: Not applicable

**Explanation:**

The number of entries supplied is less than the maximum number of entries the table can contain. The remaining entries are filled with blanks or zeros.

**RPG —0335 EDIT WORD IS SPECIFIED WITH OTHER THAN UNPACKED NUMERIC FIELDS.**

Severity: Terminal

Specification Type: O

**Explanation:**

Edit words are allowed only with unpacked numeric fields.

**RPG —0337 INVALID SEQUENCE FOR EXIT AND RLABEL OPERATION CODES.**

Severity: Terminal

Specification Type: C

**Explanation:**

The RLABL operation code does not immediately follow an EXIT operation.

**RPG —0338 SUBR MUST BE USED IN  
FACTOR 2 OF EXIT  
OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The entry specified in factor 2 of an EXIT operation does not start with SUBR.

**RPG —0339 OUTPUT SPECIFICATIONS  
ARE REQUIRED FOR EACH  
UPDATE OR COMBINED FILE,  
OR FOR ADDING RECORDS TO  
A FILE.**

Severity: Terminal

Specification Type: F

**Explanation:**

The proper output specifications have not been specified for the update or combined file.

**RPG —0340 TYPE OF CONTROL, COLUMN  
17, CONTAINS A BLANK FOR A  
MULTIPOINT LINE. T IS  
ASSUMED.**

Severity: Warning

Specification Type: T

**Explanation:**

Column 17 was left blank for a multipoint line (M in column 15).

**RPG —0341 TYPE OF CONTROL, COLUMN  
17, CONTAINS T FOR A  
SWITCHED OR  
POINT-TO-POINT NETWORK.  
BLANK IS ASSUMED.**

Severity: Warning

Specification Type: T

**Explanation:**

Column 17 contains a T for a point-to-point network (P in column 15).

**RPG —0342 TRANSPARENCY MODE IS  
SPECIFIED, COLUMN 19,**

**WHEN ASCII CONTROL  
CHARACTERS, COLUMN 18,  
ARE TO BE USED.**

Severity: Terminal

Specification Type: T

**Explanation:**

The transparent mode cannot be specified for an adapter using ASCII data link characters.

**RPG —0343 AUTOANSWER, COLUMN 20,  
MUST BE BLANK FOR NON  
SWITCHED NETWORK.**

Severity: Terminal

Specification Type: T

**Explanation:**

Column 20 contains an entry for a network that is not switched. Leave column 20 blank for a network that is not switched.

**RPG —0346 COLUMN 32 MUST BE BLANK  
FOR A NON SWITCHED  
NETWORK.**

Severity: Terminal

Specification Type: T

**Explanation:**

Column 32 must be left blank for a nonswitched network.

**RPG —0347 IDENTIFICATION FOR THIS  
STATION, COLUMNS 33-39,  
CONTAINS AN ARRAY.**

Severity: Terminal

Specification Type: T

**Explanation:**

An array name was used as the station identification. Enter the table element or field name to be used as the station identification in columns 33 through 39. If you want to use an array element as the station identification, you must use calculation specifications to move the contents of the array element into the field you specify in columns 33 through 39.

**RPG —0348 COLUMN 40 MUST BE BLANK  
FOR A NON SWITCHED  
NETWORK.**

Severity: Terminal

Specification Type: T

**Explanation:**

Column 40 must be left blank for a nonswitched network.

**RPG —0349 IDENTIFICATION FOR THE  
REMOTE STATION, COLUMNS  
41-47, CONTAINS AN ARRAY.**

Severity: Terminal

Specification Type: T

**Explanation:**

An array name was used as the remote station identification. Enter the table element or field name to be used as the remote station identification in columns 41 through 47. If you want to use an array element as the remote station identification, you must use calculation specifications to move the contents of the array element into the field you specify in columns 41 through 47.

**RPG —0350 RECORD-AVAILABLE  
INDICATOR IS SPECIFIED FOR  
TRANSMIT FILE, OR THE  
PROGRAM HAS ONLY 1 BSCA  
FILE. INDICATOR IS  
DROPPED.**

Severity: Warning

Specification Type: T

**Explanation:**

A record-available indicator was specified for a transmit file or in a program that has only one BSCA file. Remove the record-available indicator or define the other BSCA file if you want a program that can transmit interspersed with a receive.

**RPG —0351 LAST FILE PROCESSED,  
COLUMN 60, MUST BE BLANK  
FOR A TRANSMIT FILE OR A  
PRIMARY INPUT FILE. ENTRY  
IS IGNORED.**

Severity: Warning

Specification Type: T

**Explanation:**

L was entered in column 60 for a transmit file or for a primary input file. Remove the L from column 60 if the file is a transmit file. If it is a primary input file, remove the L or change the file designation to secondary.

**RPG —0352 POLLING CHARACTERS ARE  
SPECIFIED ON OTHER THAN  
A TRANSMIT FILE ON A**

**MULTIPOINT NETWORK.  
ENTRY IS IGNORED.**

Severity: Warning

Specification Type: T

**Explanation:**

Polling characters are specified in columns 61 and 62 for a file other than a transmit file on a multipoint network.

**RPG —0353 ADDRESSING CHARACTERS,  
COLUMNS 63-64, MUST BE  
BLANK FOR A FILE THAT IS  
NOT A MULTIPOINT  
RECEIVER FILE. ENTRY IS  
IGNORED.**

Severity: Warning

Specification Type: T

**RPG —0354 DEVICE ENTRY, COLUMNS  
40-46, ON FILE DESCRIPTION  
SPECIFICATION MUST BE  
BSCA.**

Severity: Terminal

Specification Type: T

**Explanation:**

A BSCA device entry was not made for this file on the file description specifications.

**RPG —0356 PACKED OR BINARY FIELD IS  
SPECIFIED FOR A FILE  
WITHOUT THE  
TRANSPARENCY FEATURE.**

Severity: Terminal

Specification Type: T

**RPG —0357 THE FILE CORRESPONDING  
TO THIS TRANSMITTER  
SPECIFICATION MUST BE  
DEFINED AS AN OUTPUT FILE  
ON THE FILE DESCRIPTION  
SPECIFICATIONS.**

Severity: Terminal

Specification Type: T

**RPG —0358 THE FILE CORRESPONDING  
TO THIS RECEIVE FILE MUST  
BE DEFINED AS AN INPUT**

**FILE ON THE FILE  
DESCRIPTION  
SPECIFICATIONS.**

Severity: Terminal

Specification Type: T

**RPG —0360 THERE IS NO  
TELECOMMUNICATIONS  
SPECIFICATION FOR A FILE  
DEFINED AS A BSCA FILE ON  
THE FILE DESCRIPTION  
SPECIFICATIONS.**

Severity: Terminal

Specification Type: T

**RPG —0361 LOOK-AHEAD FIELDS CAN  
NOT BE SPECIFIED FOR A  
BSCA FILE.**

Severity: Terminal

Specification Type: T

**Explanation:**

Look-ahead fields are not allowed for a BSCA file.

**RPG —0363 MATCHING FIELDS ARE  
DEFINED FOR A FILE  
DESIGNATED IN COLUMN 60  
OF THE  
TELECOMMUNICATIONS  
SPECIFICATIONS TO BE THE  
LAST FILE PROCESSED.**

Severity: Terminal

Specification Type: T

**Explanation:**

Matching fields were defined for a file designated as the last file to be processed (L in column 60). Remove the matching fields definition if the file was the last one to be processed, or remove the L entry in column 60.

**RPG —0364 FOR A  
TRANSMIT-THEN-RECEIVE  
BSCA PROGRAM, IF  
END-OF-FILE IS SPECIFIED  
FOR ANY INPUT FILE, E IS  
ASSUMED IN COLUMN 17 OF  
THE BSCA INPUT FILE.**

Severity: Warning

Specification Type: T

**Explanation:**

E was entered in column 17 of the file description specifications for some input files, but not for the BSCA file, which has an L in column 60 of the telecommunications specifications. End of file is assumed if end of file (E in column 17 of the file description specifications) is specified for any input file the program uses.

**RPG —0365 ITB IS SPECIFIED FOR A FILE  
WITHOUT BLOCKED  
RECORDS. ITB IS DROPPED.**

Severity: Warning

Specification Type: T

**Explanation:**

The intermediate block check specification (I in column 52) is ignored.

**RPG —0366 AUTOANSWER, COLUMN 20, IS  
BLANK FOR A SWITCHED  
NETWORK.**

Severity: Terminal

Specification Type: T

**Explanation:**

Column 20 was left blank for a switched network. Column 20 should contain M, A, or B.

**RPG —0368 THE FIELD OR TABLE HOLD  
AREA FOR A STATION  
IDENTIFICATION, COLUMNS  
33-39 OR 41-47, IS MORE THAN  
15 CHARACTERS IN LENGTH.**

Severity: Terminal

Specification Type: T

**Explanation:**

Either the field or table hold area used for a station identification (columns 33 through 39 or 41 through 47) contains more than 15 characters, or the dial number (columns 21 through 31) contains more than 12 digits. The field or table hold area used for a station identification should be numeric and from 2 to 15 characters long.

**RPG —0369 WARNING - ONLY ONE  
INPUT/OUTPUT AREA IS  
SPECIFIED FOR A BSCA FILE.**

Severity: Warning

Specification Type: T

**Explanation:**

Because only one I/O area is specified for a BSCA file, processing time is likely to be slow.

**RPG —0370 THE LINE CONFIGURATION AND LINE CONTROL ENTRIES, COLUMNS 17-47, ARE NOT THE SAME ON EACH TELECOMMUNICATIONS SPECIFICATION.**

Severity: Terminal

Specification Type: T

**RPG —0371 WARNING - THE STATION IDENTIFICATION, COLUMNS 33-39 OR 41-47, IS DEFINED AS ONLY 1 CHARACTER IN LENGTH. THE CHARACTER WILL BE DUPLICATED, SO A 2-CHARACTER IDENTIFICATION WILL BE USED.**

Severity: Warning

Specification Type: T

**RPG —0372 B IN COLUMN 37 OF THE CONTROL SPECIFICATION IS AN INVALID ENTRY IN A BSCA PROGRAM.**

Severity: Terminal

Specification Type: H

**RPG —0373 THE SAME FILENAME WAS USED ON TWO TELECOMMUNICATION SPECIFICATIONS.**

Severity: Terminal

Specification Type: T

**RPG —0374 ENTRY IN COLUMN 16 IS INVALID.**

Severity: Warning

Specification Type: F, O

**Explanation:**

The entry in column 16 of the file description specifications is not P, S, C, R, T, D, F or blank, or the entry in column 16 of the output specifications is not F (fetch overflow), R (release), A (if ADD is specified in columns 16 through 18), or blank. For the file description specifications, blank is assumed if the file is an output file; otherwise, S is assumed.

**RPG —0376 INVALID OR BLANK NAME IN COLUMNS 75-80 OF CONTROL SPECIFICATION. ASSIGNED NAME IS ASSUMED.**

Severity: Warning

Specification Type: H

**Explanation:**

The entry in columns 75 through 80 of your control specification is neither a valid RPG program name nor blanks. The assigned name RPGOBJ is assumed.

**RPG —0377 RECORD ADDRESS FILE, COLUMN 31, IS NOT ALLOWED FOR A BSCA FILE.**

Severity: Terminal

Specification Type: F

**RPG —0378 ENTRY IN FACTOR 1 IS UNDEFINED, OR TABLE OR ARRAY ELEMENT IS USED AS AN ARRAY INDEX.**

Severity: Terminal

Specification Type: C

**Explanation:**

The field name in factor 1 of the calculation specifications is never defined. It appears only in a diagnosed source member.

**RPG —0379 ENTRY IN FACTOR 2 IS UNDEFINED, OR TABLE OR ARRAY ELEMENT IS USED AS AN ARRAY INDEX.**

Severity: Terminal

Specification Type: C

**Explanation:**

The field name in factor 2 of the calculation specifications is never defined.

**RPG —0380 ENTRY IN RESULT FIELD IS UNDEFINED, OR TABLE OR ARRAY ELEMENT IS USED AS AN ARRAY INDEX.**

Severity: Terminal

Specification Type: C

**Explanation:**

The field name in result field of the calculation specifications is never defined.

**RPG —0381 ENTRY IN COLUMNS 60-65 IS UNDEFINED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry referenced on a file continuation line was not defined anywhere in the program.

**RPG —0382 ENTRY IN COLUMNS 32-37 IS UNDEFINED, OR TABLE OR ARRAY ELEMENT IS USED AS AN ARRAY INDEX.**

Severity: Terminal

Specification Type: O

**RPG —0387 ERROR FILE IS FULL.**

Severity: Warning

Specification Type: Not applicable

**Explanation:**

The diagnosed source member will accommodate 400 to 1424 errors depending on the region size used for the compile. The number of errors that can be saved increases by 128 for each 2K increase in region size until the maximum of 1424 errors is reached.

**RPG —0388 FACTOR 1 MUST BE EITHER A FIELD NAME OR A LITERAL WHEN USED WITH THIS OPERATION.**

Severity: Terminal

Specification Type: C

**RPG —0390 SEQUENCE CHECKING IS NOT PERFORMED ON EXECUTION-TIME ARRAYS.**

Severity: Warning

Specification Type: E

**Explanation:**

Sequence must be specified if high or low LOKUP is to be done; however, no sequence checking is done at input time. A sequenced array is assumed.

**RPG —0391 A FIELD WITH A LENGTH GREATER THAN 8 CHARACTERS CANNOT BE USED IN FACTOR 1 OF DEBUG OPERATION CODE.**

Severity: Terminal

Specification Type: C

**RPG —0392 LAST ENTRY IN ONE OR MORE COMPILE-TIME TABLE/ARRAYS WAS BLANK.**

Severity: Warning

Specification Type: Not applicable

**Explanation:**

The compile time table/array contains fewer entries than the number of entries specified in columns 36 through 39 of the extension specifications.

**RPG —0394 ADD OR DEL IN COLUMNS 16-18 IS NOT ALLOWED ON AND/OR LINES. BLANK IS ASSUMED.**

Severity: Terminal

Specification Type: O

**Explanation:**

ADD or DEL must be specified on the file and record identification line of the output specifications, and applies to all AND/OR lines. Columns 16 through 18 are assumed to be blank.

**RPG —0397 FILE DESCRIPTION SPECIFICATION HAS A IN COLUMN 66. ALL OUTPUT SPECIFICATIONS DO NOT HAVE ADD IN COLUMNS 16-18. ADD IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The ADD function (A in column 66) was specified in the file description specifications for this file, but ADD was not specified in columns 16 through 18 of the output specifications for each record type output line to be written.

**RPG —0398 ENTRY IN COLUMNS 54-59 IS INVALID FOR DEVICE. BLANKS ARE ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

Columns 54 through 59 contain an entry for a file that was not assigned to a SPECIAL device (SPECIAL in columns 40 through 46).

**RPG —0399 INVALID ENTRY IN COLUMNS  
54-59.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry in columns 54 through 59 of your file description specifications for a SPECIAL file is neither SUBRxx (x = any alphabetic character) nor SRyzzz (y = one of 15 valid characters; z = one of 16 valid characters). Enter the name of the user-written subroutine (SUBRxx) or IBM-written subroutine (SRyzzz) that will perform the input/output operations for the SPECIAL file.

**RPG —0400 INVALID  
MODE-OF-PROCESSING  
ENTRY IN COLUMN 28.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry in column 28 is not R, L, or blank. R is assumed for valid file type or mode of processing.

**RPG —0401 ONLY ONE TABLE/ARRAY PER  
FILENAME IS ALLOWED FOR  
THIS DEVICE.**

Severity: Terminal

Specification Type: E

**RPG —0403 INVALID LENGTH OF KEY  
FIELD IN COLUMNS 29-30. 3 IS  
ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The length of key field entry in columns 29 and 30 is not specified properly. The entry must be 99 or less for unpacked keys, or 8 or less for packed keys.

**RPG —0404 INVALID  
RECORD-ADDRESS-TYPE**

**ENTRY IN COLUMN 31. A IS  
ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry in column 31 is not A, P, I, or blank, or the entry is I when sequential within limits is specified or when the file is a full-procedural file.

**RPG —0405 INVALID KEY-FIELD  
STARTING LOCATION ENTRY  
IN COLUMNS 35-38. 1 IS  
ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

Columns 35 through 38 do not contain a number from 1 to 4096 or EXTK for an indexed file.

**RPG —0406 INVALID ENTRY IN COLUMNS  
60-65. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: F

**RPG —0407 INVALID FILE ADDITION OR  
UNORDERED ENTRY IN  
COLUMN 66. A IS ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The file addition or unordered load entry in column 66 is not A, U, or blank.

**RPG —0408 NUMBER-OF-EXTENTS ENTRY  
IN COLUMNS 68-69 IS INVALID  
OR NOT ALLOWED WITH THIS  
DEVICE.**

Severity: Terminal

Specification Type: F

**Explanation:**

Columns 68 and 69 must be blank for nondisk devices. If the device is disk, the columns contain an entry that is not 01 or blank. Blank is assumed.

**RPG —0409 K IS SPECIFIED IN COLUMN 31  
FOR RECORD ADDRESS TYPE.  
A IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

An entry of K is not allowed in column 31 for record address type.

**RPG —0410 EXTENSION SPECIFICATION  
LINE IS BLANK.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

An E was specified in column 39 of a file description line, but no extension specifications were found in the program.

**RPG —0411 RESERVED COLUMNS 71-74  
MUST BE BLANK.**

Severity: Warning

Specification Type: T

**RPG —0451 CONTINUATION, K IN  
COLUMN 53, IS INCORRECT  
FOR THIS DEVICE OR FILE  
TYPE OR AN A IN COLUMN 66  
OF THE FILE DESCRIPTION  
SPECIFICATIONS IS  
INCORRECT FOR A  
DELETE-CAPABLE, OUTPUT  
FILE LOAD.**

Severity: Terminal

Specification Type: F

**Explanation:**

Continuation is allowed only for SPECIAL, WORKSTN, or delete-capable DISK files. An A in column 66 of the file description specifications is invalid for a delete-capable output file. Continuation is ignored.

**RPG —0452 ENTRY IN COLUMNS 54-59 OF  
A CONTINUATION RECORD IS  
INVALID OR MISSING.**

Severity: Terminal

Specification Type: F

**Explanation:**

For a SPECIAL file you must enter a table or array name in columns 54 through 59. The table or array must be defined on the extension specifications. Blanks are invalid. The continuation record is ignored. For a WORKSTN file, you can enter the following keywords: NUM, ID, IND, SAVDS, SLN, FMTS, INFSR, INFDS, or CFILE. For a DISK file, the valid entry is RECNO.

**RPG —0453 CONTINUATION ENTRY IN  
COLUMNS 54-59 IS REPEATED  
FOR A FILE. FIRST ENTRY IS  
IGNORED.**

Severity: Warning

Specification Type: F

**Explanation:**

For a SPECIAL file only one continuation is allowed. For a WORKSTN file, each keyword (NUM, ID, IND, SAVDS, SLN, FMTS, INFSR, INFDS) may appear only once. For a DISK file, RECNO may appear only once. The first keyword is ignored, and the last duplication is used.

**RPG —0455 COLUMNS 7-52 AND 66-72 OR  
68-72 ON FMTS LINE MUST BE  
BLANK FOR A CONTINUATION  
LINE. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

When column 53 contains K to indicate a continuation line for a file description specification, columns 7 through 52 and columns 66 through 72 (68 through 72 for an FMTS line) must be blank. An FMTS continuation line can contain a format load member name in columns 60 through 67.

**RPG —0456 IMPROPER OR NO  
CONTINUATION LINE FOUND  
FOR DIRECT FILE LOAD OR  
ADD TO RANDOM OR  
FULL-PROCEDURAL FILE.**

Severity: Terminal

Specification Type: F

**Explanation:**

File addition (A in column 66) for a delete-capable file processed randomly or direct file load of a delete-capable file requires a file description specifications continuation line with the keyword RECNO and associated value.

**RPG —0460 INVALID ENTRY IN COLUMN  
53. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

Column 53 of the file description specifications must contain a K or blank.

**RPG —0461 INVALID ENTRY IN COLUMN  
70. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

Column 70 must be blank.

**RPG —0462 CONTINUATION, K IN  
COLUMN 53, IS INVALID FOR  
MAIN FILE DESCRIPTION  
SPECIFICATION. BLANK IS  
ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

K is valid only on a continuation file description specification.

**RPG —0470 EXCPT NAME IN FACTOR 2 OF  
EXCPT OPERATION CODE IS  
NOT DEFINED IN COLUMNS  
32-37 OF OUTPUT  
SPECIFICATIONS.**

Severity: Terminal

Specification Type: C

**Explanation:**

The EXCPT name in factor 2 of the calculation specification with an EXCPT operation code was never defined in columns 32 through 37 of an EXCPT output record line. Or the EXCPT name defined in columns 32 through 37 of an EXCPT output record line was previously defined as a non-EXCPT type. See message RPG—0475 for details.

**RPG —0471 EXCPT NAME IS DEFINED IN  
COLUMNS 32-37 OF OUTPUT  
SPECIFICATIONS, BUT IS NOT  
USED AS FACTOR 2 OF EXCPT  
OPERATION CODE.**

Severity: Warning

Specification Type: O

**Explanation:**

The EXCPT name defined on columns 32 through 37 of an EXCPT output record line was not referenced in factor 2 of a calculation specification with an EXCPT operation code.

**RPG —0472 TOO MANY DIFFERENT  
EXCPT NAMES ARE USED.**

Severity: Terminal

Specification Type: O

**Explanation:**

The number of different EXCPT names defined on the output specifications is more than the maximum allowed. The maximum is 63 with names and 1 blank name.

**RPG —0473 BLANK EXCPT NAME IS  
UNREFERENCED.**

Severity: Warning

Specification Type: O

**Explanation:**

An EXCPT output record line is blank in columns 32 through 37 (no EXCPT name), but there are no calculation specifications with an EXCPT operation code with factor 2 being blank.

**RPG —0474 EXCPT NAME IN FACTOR 2  
HAS INVALID SYNTAX.**

Severity: Terminal

Specification Type: C

**Explanation:**

The EXCPT name in factor 2 contains a comma, making it look like an array with an index; contains quotes making it look like a literal; or is more than 6 characters in length.

**RPG —0475 EXCPT NAME IN COLUMNS  
32-37 WAS PREVIOUSLY  
DEFINED AS A NON-EXCPT  
TYPE.**

Severity: Terminal

Specification Type: O

**Explanation:**

The EXCPT name defined in columns 32 through 37 of the output specifications is the same as a file name, field name, data structure name, array name, table name, label, a subroutine name, or is the same as reserved words PAGE, PAGE1-PAGE7, UDATE, UDAY, UMONTH, or UYEAR.

**RPG —0476 INDICATOR IN COLUMNS 33-34  
IS NOT REFERENCED.**

Severity: Warning

Specification Type: F

**Explanation:**

The overflow indicator defined in columns 33 and 34 of the file description specs was not used to condition an operation anywhere in this program.

**RPG —0478 INDICATOR IN COLUMNS 53-54  
IS NOT REFERENCED.**

Severity: Warning

Specification Type: T

**Explanation:**

The permanent-error indicator defined in columns 53 and 54 of the telecommunications specifications was not used to condition an operation anywhere in this program.

**RPG —0479 INDICATOR IN COLUMNS 58-59  
IS NOT REFERENCED.**

Severity: Warning

Specification Type: T

**Explanation:**

The record available indicator defined in columns 58 and 59 of the telecommunication specifications was not used to condition an operation anywhere in this program.

**RPG —0480 INDICATOR IN COLUMNS 19-20  
IS NOT REFERENCED.**

Severity: Warning

Specification Type: I

**Explanation:**

The record-identifying indicator defined in columns 19 and 20 of the input specifications was not used to condition an operation anywhere in this program.

**RPG —0481 INDICATOR IN COLUMNS 59-60  
IS NOT REFERENCED.**

Severity: Warning

Specification Type: I

**Explanation:**

The control-level indicator defined in columns 59 and 60 of the input specifications was not used to condition an operation anywhere in this program.

**RPG —0482 INDICATOR IN COLUMNS 63-64  
IS NOT DEFINED.**

Severity: Terminal

Specification Type: I

**Explanation:**

The field-record-relation indicator referenced in columns 63 and 64 of the input specifications is not defined anywhere in this program.

**RPG —0483 INDICATOR IN COLUMNS 65-66  
IS NOT REFERENCED.**

Severity: Warning

Specification Type: I

**Explanation:**

The field indicator defined in columns 65 and 66 of the input specifications is not used to condition an operation anywhere in this program.

**RPG —0484 INDICATOR IN COLUMNS 67-68  
IS NOT REFERENCED.**

Severity: Warning

Specification Type: I

**Explanation:**

The field indicator defined in columns 67 and 68 of the input specifications is not used to condition an operation anywhere in this program.

**RPG —0485 INDICATOR IN COLUMNS 69-70  
IS NOT REFERENCED.**

Severity: Warning

Specification Type: I

**Explanation:**

The field indicator defined in columns 69 and 70 of the input specifications is not used to condition an operation anywhere in this program.

**RPG —0486 INDICATOR IN COLUMNS 07-08  
IS NOT DEFINED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The control-level indicator referenced in columns 07 and 08 of the calculation specifications is not defined anywhere in this program.

**RPG —0487 INDICATOR IN COLUMNS 10-11  
IS NOT DEFINED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The indicator referenced in columns 10 and 11 of the calculation specifications is not defined anywhere in this program.

**RPG —0488 INDICATOR IN COLUMNS 13-14 IS NOT DEFINED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The indicator referenced in columns 13 and 14 of the calculation specifications is not defined anywhere in this program.

**RPG —0489 INDICATOR IN COLUMNS 16-17 IS NOT DEFINED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The indicator referenced in columns 16 and 17 of the calculation specifications is not defined anywhere in this program.

**RPG —0490 INDICATOR IN COLUMNS 54-55 IS NOT REFERENCED.**

Severity: Warning

Specification Type: C

**Explanation:**

The resulting indicator defined in columns 54 and 55 of the calculation specifications was not used to condition an operation anywhere in this program.

**RPG —0491 INDICATOR IN COLUMNS 56-57 IS NOT REFERENCED.**

Severity: Warning

Specification Type: C

**Explanation:**

The resulting indicator defined in columns 56 and 57 of the calculation specifications was not used to condition an operation anywhere in this program.

**RPG —0492 INDICATOR IN COLUMNS 58-59 IS NOT REFERENCED.**

Severity: Warning

Specification Type: C

**Explanation:**

The resulting indicator defined in columns 58 and 59 of the calculation specifications was not used to condition an operation anywhere in this program.

**RPG —0493 INDICATOR IN COLUMNS 24-25 IS NOT DEFINED.**

Severity: Terminal

Specification Type: O

**Explanation:**

The output indicator referenced in columns 24 and 25 of the output specifications is not defined anywhere in this program.

**RPG —0494 INDICATOR IN COLUMNS 27-28 IS NOT DEFINED.**

Severity: Terminal

Specification Type: O

**Explanation:**

The output indicator referenced in columns 27 and 28 of the output specifications is not defined anywhere in this program.

**RPG —0495 INDICATOR IN COLUMNS 30-31 IS NOT DEFINED.**

Severity: Terminal

Specification Type: O

**Explanation:**

The output indicator referenced in columns 30 and 31 of the output specifications is not defined anywhere in this program.

**RPG —0500 FROM NAME FOR RECORD ADDRESS FILE IS INVALID OR MISSING.**

Severity: Terminal

Specification Type: E

**Explanation:**

The from filename entry in columns 11 through 18 is missing or not specified properly for a record address file.

**RPG —0502 FROM FILENAME IS A  
RECORD ADDRESS FILE THAT  
IS USED MORE THAN ONCE.**

Severity: Terminal

Specification Type: E

**Explanation:**

The record address file named in columns 11 through 18 is used more than once in the extension specifications. Only one record address file is allowed in a program.

**RPG —0503 TO FILENAME FOR A RECORD  
ADDRESS FILE TYPE MUST  
BE A PRIMARY, SECONDARY,  
DEMAND, OR  
FULL-PROCEDURAL FILE.  
THE FILENAME IS MISSING,  
INVALID, OR A NON-DISK  
FILE.**

Severity: Terminal

Specification Type: E

**Explanation:**

The to filename entry in columns 19 through 26 must be a primary, secondary, demand, or full-procedural file, in order to be processed by a record address file.

**RPG —0504 TO FILENAME IS INCORRECT  
FILE TYPE.**

Severity: Terminal

Specification Type: E

**Explanation:**

The filename specified in columns 19 through 26 is not an input, output, or update file.

**RPG —0510 LENGTH GIVEN FOR BINARY  
FIELD IS NOT 2 OR 4. 2 IS  
ASSUMED.**

Severity: Terminal

Specification Type: I, O

**RPG —0511 PACKED LENGTH IS GREATER  
THAN 8 FOR A FIELD, TABLE,  
OR ARRAY.**

Severity: Terminal

Specification Type: I, O

**RPG —0516 MORE THAN 7 AN/OR LINES  
ARE SPECIFIED.**

Severity: Terminal

Specification Type: C

**Explanation:**

More than seven consecutive AN/OR lines are specified in the calculation specifications. Specify up to seven consecutive AN, OR, or AN/OR lines to condition an operation.

**RPG —0517 AN/OR LINES ARE OUT OF  
ORDER.**

Severity: Terminal

Specification Type: C

**Explanation:**

The line immediately following a line with an operation code is an AN/OR line. Remove the AN/OR entry in columns 7 and 8 from the first line in an AN/OR group.

**RPG —0518 NO INDICATORS ARE  
SPECIFIED FOR AN/OR LINES.**

Severity: Terminal

Specification Type: C

**Explanation:**

At least one indicator must be given in an AN or OR line.

**RPG —0519 COLUMNS 18-59 ARE INVALID  
WITH AN/OR LINES, OR  
OPERATION CODE IS MISSING  
WITH INDICATORS PRESENT.  
BLANKS ARE ASSUMED.**

Severity: Terminal

Specification Type: C

**Explanation:**

Only the last line of a group of AN/OR lines can have entries in columns 18 through 59, or indicators are specified in columns 7 through 17, but no operation is specified in columns 28 through 32.

**RPG —0520 THIS LINE IS NOT AN AN/OR  
LINE AND PREVIOUS LINE  
HAS NO OPERATION CODE,  
OR THIS LINE HAS NO  
INDICATORS AND NO  
OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

This line is not an AN/OR line, and the previous line has no operation code specified. If this line should be an AN/OR line, enter an AN/OR entry in columns 7 and 8; if this line should have had an operation code (an operation code must be entered in the last line of a group of AN/OR lines), make the proper operation code entry in columns 28 through 32.

**RPG —0521 MINUS INDICATOR IS NOT ALLOWED FOR TEST BIT OPERATION OF ONLY ONE BIT.**

Severity: Warning

Specification Type: C

**Explanation:**

Columns 56 and 57 (resulting minus indicator for the condition) must be blank when only 1 bit is specified for a TESTB operation. Blank is assumed.

**RPG —0522 ALL THREE RESULTING INDICATORS ARE THE SAME.**

Severity: Warning

Specification Type: C

**Explanation:**

Usually the same indicator is used for only one or two of the conditions. Make sure the proper resulting indicator entries have been made in columns 54 through 59. The indicator specified will be set on each time the calculation is performed.

**RPG —0523 A NEGATIVE ENTRY IN FACTOR 2 OF THE SQUARE ROOT OPERATION IS NOT ALLOWED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The entry specified in factor 2 of an SQRT operation is negative.

**RPG —0524 WHOLE ARRAYS ARE NOT ALLOWED AS FACTOR 1 WITH CHAIN, READE, LOKUP, OR POST OPERATION CODES.**

Severity: Terminal

Specification Type: C

**RPG —0525 OPERATION CODE IS INVALID FOR THIS DEVICE TYPE OR MODE OF PROCESSING.**

Severity: Terminal

Specification Type: C

**Explanation:**

The CHAIN operation can be specified only for DISK files processed randomly. READ cannot be used with KEYBOARD files. READP and READE can be specified only for DISK files.

**RPG —0526 FACTOR 1 MUST BE A 2-POSITION ALPHAMERIC FIELD WITH ACQ, REL, NEXT, OR POST OPERATION CODE.**

Severity: Terminal

Specification Type: C

**RPG —0527 WHOLE ARRAYS OR TABLES CANNOT BE SPECIFIED IN FACTOR 2 OF THE ENDSR OPERATION CODE.**

Severity: Terminal

Specification Type: C

**RPG —0528 FACTOR 2 OF THE ENDSR OPERATION CODE MUST BE A 6-POSITION ALPHAMERIC FIELD OR ARRAY ELEMENT.**

Severity: Terminal

Specification Type: C

**RPG —0529 FACTOR 2 IS AN INVALID LITERAL. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: C

**RPG —0541 FILE DESIGNATION IS INVALID FOR ADDRROUT FILE. R IS ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The file designation entry in column 16 is not R for an addrout file.

**RPG —0543 LENGTH OF KEY, COLUMNS 29-30, OR LENGTH OF KEY AND KEY-FIELD STARTING LOCATION ARE GREATER THAN RECORD LENGTH.**

Severity: Terminal

Specification Type: F

**Explanation:**

The length of key-field entry in columns 29 and 30 must be 99 characters or less, and must be less than the record length. The sum of the key-field starting location (columns 35 through 38) plus the key length must not exceed the record length. A key-field length of 03 is assumed, and a key-field starting location of 01 is assumed.

**RPG —0544 LENGTH OF RECORD ADDRESS FIELD OR KEY FIELD, COLUMNS 29-30, IS BLANK OR INVALID. 3 IS ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

Columns 29 and 30 are blank, or the entry specified is invalid for files that contain limits or for addrout files.

For a CONSOLE limits file, the entry must be a number from 1 through 29. For addrout files, make the entry a 3. For any other files that contain limits, make the entry in columns 29 and 30 a number from 1 through 99.

**RPG —0546 INVALID ENTRY FOR COLUMN 31 WHEN 'EXTK' IS SPECIFIED IN COLUMNS 35-38.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry P has been specified in column 31. It is invalid because packed decimal format cannot be used for noncontiguous key support.

**RPG —0547 INVALID ENTRY FOR COLUMN 16 WHEN 'EXTK' IS SPECIFIED IN COLUMNS 35-38.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry C or D is specified in column 16. These entries are invalid for noncontiguous key support.

**RPG —0548 FILE ADDITION/DELETION IS INVALID FOR THIS FILE TYPE, DEVICE, OR MODE OF PROCESSING. BLANK IS ASSUMED.**

Severity: Terminal

Specification Type: F, O

**Explanation:**

File addition/deletion can be specified for sequential, direct, and indexed output files on disk only.

**RPG —0549 KEY-FIELD STARTING LOCATION IS BLANK OR EXCEEDS RECORD LENGTH.**

Severity: Terminal

Specification Type: F

**Explanation:**

Columns 35 through 38 are blank, or the entry specified exceeds the record length in your file description specifications.

**RPG —0550 NO MORE THAN 20 FILE DESCRIPTION SPECIFICATIONS ARE ALLOWED.**

Severity: Terminal

Specification Type: F

**RPG —0551 RECORD LENGTH IS MISSING OR INVALID FOR DISK FILE. 256 IS ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The record length entry in columns 24 through 27 is missing or invalid. It can be a number from 1 to 4096.

**RPG —0552 NO MORE THAN 15 DEMAND, CHAIN, AND FULL PROCEDURAL FILES CAN BE USED IN ONE PROGRAM.**

Severity: Terminal

Specification Type: F

**RPG —0554 ADD IS SPECIFIED ON THE  
FILE DESCRIPTION  
SPECIFICATIONS, BUT ADD IS  
NOT SPECIFIED ON ANY  
OUTPUT SPECIFICATIONS.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

Column 66 contains an A, but record addition ADD in columns 16 through 18 is not specified in your output specifications.

**RPG —0555 ADD IS NOT SPECIFIED IN  
COLUMN 66 OF FILE  
DESCRIPTION  
SPECIFICATION.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

ADD is specified in columns 16 through 18 of your output specifications, but the ADD function was not specified in file description specifications (column 66) for this file.

**RPG —0556 FILE DESIGNATED FOR  
DELETE IS NOT IN UPDATE  
MODE.**

Severity: Terminal

Specification Type: O

**Explanation:**

Only update files (U in column 15) can have records deleted.

**RPG —0557 MASK FOR BIT OPERATION IS  
NOT 0-7.**

Severity: Terminal

Specification Type: C

**RPG —0558 INVALID USE OF, OR  
MISSING, RESULTING  
INDICATORS WITH THIS  
OPERATION CODE. INVALID  
RESULTING INDICATORS ARE  
ASSUMED TO BE BLANK.**

Severity: Warning

Specification Type: C

**Explanation:**

For CHAIN, columns 56 through 59 must be blank. Columns 54 and 55 should contain an indicator that can be tested for record not found.

For READ, columns 54 and 55 must be blank. Columns 58 and 59 should contain an indicator that can be tested for end of file. If the READ is to a WORKSTN file, columns 56 and 57 can contain an indicator that turns on if an exception/error condition occurs.

For READE, columns 54 through 57 must be blank. Columns 58 and 59 must contain an indicator that can be tested for end-of-file or end-of-equal-key condition.

For READP, columns 54 through 57 must be blank. Columns 58 and 59 must contain an indicator that can be tested for beginning-of-file condition.

For ACQ, REL, and NEXT, columns 54, 55, 58, and 59 must be blank. Columns 56 and 57 should contain an indicator that can be tested for an unsuccessful ACQ, REL, or NEXT operation, respectively.

For CASxx, resulting indicators are not allowed if the xx portion of the operation code is blank and factor 1 and factor 2 are not specified.

**RPG —0559 FACTOR 2 OR THE RESULT  
FIELD IS INVALID FOR THIS  
OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

MOVEA operation code: (1) either factor 2 or the result field must contain the name of an array; (2) both factor 2 and the result field may contain the name of an array (the same name cannot be used for both).

XFOOT and SORTA operation codes: factor 2 must be a whole array. Make the proper entries in columns 33 through 42 and/or columns 43 through 48.

**RPG —0560 MODE OF PROCESSING  
SPECIFIED IN COLUMN 28 IS  
INVALID. BLANK IS  
ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The mode of processing entry specified in column 28 is invalid. An entry is allowed only for limits or for random processing of CHAIN DISK files.

**RPG —0561 KEY-FIELD STARTING LOCATION SPECIFIED IN COLUMNS 35-38 IS INVALID. BLANK IS ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

The key-field starting location entry specified in columns 35 through 38 is invalid. Place the proper entry in columns 35 through 38 of file description specifications for indexed files only.

**RPG —0562 FILE TYPE FOR FROM FILENAME AND/OR TO FILENAME IS INVALID WITH TABLE/ARRAY.**

Severity: Terminal

Specification Type: E

**Explanation:**

The from filename and/or the to filename specified is invalid. Make sure the from filename specified in columns 11 through 18 of extension specifications is an input file and that the to filename in columns 19 through 26 is an output file.

**RPG —0564 RECORD LENGTH IS NOT AT LEAST TWICE THE LENGTH OF THE KEY FIELD.**

Severity: Terminal

Specification Type: F

**RPG —0565 COLUMN 31 IS INVALID FOR THIS DEVICE TYPE.**

Severity: Terminal

Specification Type: F

**Explanation:**

The entry in column 31 is valid for update, full-procedural or chained output (or addrout) DISK files only.

**RPG —0566 INVALID USE OF DEVICE AS FROM FILENAME.**

Severity: Terminal

Specification Type: E

**Explanation:**

The file named in columns 11 through 18 of extension specifications is not assigned to the disk or console.

**RPG —0567 LENGTH OF TABLE RECORD IS GREATER THAN THE MAXIMUM RECORD LENGTH FOR THIS DEVICE.**

Severity: Terminal

Specification Type: E

**Explanation:**

Table or array record length specified exceeds the maximum record allowed for the device. Make the table or array record length equal to or less than the maximum record length for the device.

**RPG —0568 LENGTH OF KEY FIELD OR RECORD ADDRESS LENGTH SPECIFIED IN COLUMNS 29-30 IS INVALID. BLANK IS ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

Length of key-field or record address length specified in columns 29 and 30 is invalid for this file type.

**RPG —0569 COLUMN 32 MUST CONTAIN I FOR AN INDEXED FILE. I IS ASSUMED.**

Severity: Terminal

Specification Type: F

**RPG —0570 LOOK-AHEAD RECORD WITH NUMERIC SEQUENCE IS INVALID, OR LOOK-AHEAD RECORD FOLLOWING A NUMERIC RECORD IS INVALID.**

Severity: Terminal

Specification Type: I

**Explanation:**

A look-ahead record type (\*\* in columns 19 and 20) cannot be specified on the same line as a numeric sequence entry in columns 15 and 16.

**RPG —0571 MORE THAN ONE LOOK-AHEAD RECORD IS IN A FILE, OR LOOK-AHEAD FIELD**

**IS NOT VALID IN A DATA  
STRUCTURE.**

Severity: Terminal

Specification Type: I

**RPG —0572 LOOK-AHEAD RECORD  
CANNOT BE THE ONLY  
RECORD IN A FILE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Look-ahead records specified do not follow other file or record type specifications.

**RPG —0573 MULTIPLE RECORD ADDRESS  
FILES ARE DEFINED.**

Severity: Terminal

Specification Type: F

**Explanation:**

Only one record address file is allowed per program.

**RPG —0574 EXTERNAL INDICATOR,  
COLUMNS 71-72, IS NOT THE  
SAME FOR THIS FILE AS FOR  
RECORD ADDRESS FILES.**

Severity: Terminal

Specification Type: F

**Explanation:**

The record address file and the file it is used to process are not conditioned by the same external indicator.

**RPG —0575 NO INPUT SPECIFICATIONS  
FOUND FOR THIS FILE.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

Input specifications are required for this file, but none were supplied.

**RPG —0576 COMPILE-TIME TABLE DATA  
EXISTS, BUT COMPILE-TIME  
TABLE OR ARRAY IS NOT  
SPECIFIED IN EXTENSION  
SPECIFICATIONS.**

Severity: Warning

Specification Type: E

**Explanation:**

No extension specifications were supplied for compile-time table. Table data is not processed.

**RPG —0577 ONLY ONE FILE ASSOCIATED  
WITH RECORD ADDRESS FILE  
IS ALLOWED IN A PROGRAM.**

Severity: Terminal

Specification Type: F, E

**Explanation:**

More than one record address file or more than one file associated with a record address file is defined in this program.

**RPG —0578 A RECORD ADDRESS FILE OR  
A FILE ASSOCIATED WITH A  
RECORD ADDRESS FILE IS  
REQUIRED BUT NOT  
DEFINED.**

Severity: Terminal

Specification Type: F

**RPG —0579 FIRST 1P LINE NOT SPECIFIED  
FOR PRINTER FILE. COLUMN  
41 IN CONTROL  
SPECIFICATION IS ASSUMED  
TO BE BLANK.**

Severity: Warning

Specification Type: O

**Explanation:**

Forms alignment is requested but the first 1P line is not specified for a PRINTER file. Column 41 of the control specifications is assumed to be blank; therefore, no forms alignment is done.

**RPG —0580 A MATCHING LEVEL (M1-M9)  
IS NOT VALID, OR IS  
DEFINED MORE THAN ONCE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Valid match levels are M1 through M9.

**RPG —0581 AN/OR ENTRY IN COLUMNS 7-8  
IS MISSING OR INVALID.**

Severity: Terminal

Specification Type: C

**RPG —0582 THE RELATIVE RECORD  
NUMBER FOR THE CHAIN  
OPERATION CODE MUST BE  
NUMERIC WITH ZERO  
DECIMAL POSITIONS.**

Severity: Warning

Specification Type: C

**Explanation:**

The decimal positions are ignored.

**RPG —0583 BINARY LENGTH SPECIFIED  
IS GREATER THAN 9. 9 IS  
ASSUMED.**

Severity: Terminal

Specification Type: I

**RPG —0584 THIS MATCH LEVEL WAS  
USED PREVIOUSLY IN THIS  
RECORD GROUP.**

Severity: Terminal

Specification Type: I

**RPG —0585 A CHAIN, DEMAND, OR  
FULL-PROCEDURAL FILE IS  
SPECIFIED, BUT AN  
APPROPRIATE OPERATION  
CODE IS NOT FOUND IN THE  
CALCULATION  
SPECIFICATIONS.**

Severity: Terminal

Specification Type: C

**RPG —0586 TOO MANY  
TABLE/ARRAY/DATA  
STRUCTURE NAMES ARE  
USED IN THE PROGRAM.**

Severity: Terminal

Specification Type: E

**Explanation:**

More than 70 compile-time tables and/or arrays were defined or a total of more than 75 tables, arrays, or data structures were defined in the program.

**RPG —0587 IF FACTOR 1 OR FACTOR 2 IS  
A WHOLE ARRAY, THE  
RESULT FIELD MUST BE A  
WHOLE ARRAY.**

Severity: Terminal

Specification Type: C

**RPG —0588 TESTB, BITON, AND BITOF  
OPERATION CODES CANNOT  
REFER TO AN ENTIRE ARRAY.**

Severity: Terminal

Specification Type: C

**RPG —0589 RESULT FIELD MUST BE A  
1-POSITION ALPHAMERIC  
FIELD. IF FACTOR 2 IS A  
FIELD NAME, IT MUST BE A  
1-POSITION ALPHAMERIC  
FIELD.**

Severity: Terminal

Specification Type: C

**Explanation:**

The result field is not a 1-byte alphameric field for TESTB, BITON, and BITOF, or factor 2 is a field name but not a 1-byte alphameric entry.

**RPG —0590 WHENEVER HIGH IS USED IN  
A MOVE ZONE OPERATION, IT  
MUST REFER TO AN  
ALPHAMERIC FIELD.**

Severity: Terminal

Specification Type: C

**Explanation:**

The high portion of a move zone instruction does not reference an alphameric field.

**RPG —0591 LENGTH OF FIELD IN FACTOR  
1 MUST EQUAL THE LENGTH  
OF THE KEY FIELD IN THE  
FILE SPECIFIED IN FACTOR 2.**

Severity: Terminal

Specification Type: C

**Explanation:**

The length of the field in factor 1 of a SETLL, READE, or CHAIN operation is not equal to the key field length of the file specified in factor 2.

**RPG —0592 FOR SEQUENTIALLY PROCESSED UPDATE FILE, T ENTRY IN COLUMN 15 IS INVALID, OR L0-L9 INDICATOR IS USED WITH E IN COLUMN 15.**

Severity: Terminal

Specification Type: O

**Explanation:**

Total output cannot be specified for update files processed sequentially.

**RPG —0593 TABLE/ARRAY NAME MISSING FOR TO AND/OR FROM FILE NAME.**

Severity: Warning

Specification Type: E

**Explanation:**

No table name was specified in columns 27 through 32 for a table load operation (from filename in columns 11 through 18) or for a table output operation (to filename in columns 19 through 26).

**RPG —0594 TO FILENAME CANNOT BE USED WITH EXECUTION-TIME TABLE/ARRAY.**

Severity: Terminal

Specification Type: E

**Explanation:**

An array output operation (to filename in columns 19 through 26) must not be specified for execution-time arrays.

**RPG —0595 COLUMNS 27-32 AND 46-51 MUST BOTH BE TABLE NAMES OR BOTH BE ARRAY NAMES.**

Severity: Terminal

Specification Type: E

**Explanation:**

For alternating tables, columns 27 through 32 and 46 through 51 do not both contain table names; or columns 27

through 32 and 46 through 51 do not both contain array names for alternating arrays.

**RPG —0597 END POSITION SPECIFIED FOR \*PLACE IS LESS THAN TWICE THAT OF HIGHEST PREVIOUSLY SPECIFIED FIELD END POSITION, OR END POSITION IS GREATER THAN 256.**

Severity: Terminal

Specification Type: O

**RPG —0598 ALPHAMERIC TABLE/ARRAY IS SPECIFIED AS PACKED. NUMERIC IS ASSUMED.**

Severity: Terminal

Specification Type: E

**RPG —0599 LENGTH OF ELEMENT FOR BINARY TABLE/ARRAY MUST BE 4 OR 9. DEFAULT TO 4 IF LENGTH SPECIFIED IS LESS THAN 4. OTHERWISE, DEFAULT TO 9.**

Severity: Terminal

Specification Type: E

**RPG —0603 INPUT SPECIFICATIONS ARE INVALID FOR KEYBOARD FILE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Records to be supplied from the KEYBOARD file are specified in your input specifications. Specify the input records for a KEYBOARD file with the KEY operation code in the calculation specifications, not in the input specifications.

**RPG —0604 INVALID OR MISSING MESSAGE INDICATOR IS SPECIFIED ON SET OR KEY OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

Message indicator entries in columns 31 and 32 are missing, or the entry specified is not in the range 01 through 99.

**RPG —0609 KEYBORD IS SPECIFIED AS  
PRIMARY FILE, BUT THE SET  
OR KEY OPERATION CODE IS  
NEVER USED.**

Severity: Terminal

Specification Type: C

**Explanation:**

KEYBORD is specified as the primary file, but it is not used. The SET/KEY operation code must be used with a KEYBORD file.

**RPG —0610 ONLY COMMAND-KEY  
INDICATORS ARE VALID AS  
RESULTING INDICATORS ON  
SET OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The resulting indicator entries specified in columns 54 through 59 of a SET operation are not command-key indicators.

**RPG —0614 SET OR KEY OPERATION  
CODE REQUIRES KEYBORD  
DEVICE SPECIFIED ON FILE  
DESCRIPTION  
SPECIFICATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

The KEYBORD file is not defined in your file description specification, but KEY and SET operations are used.

**RPG —0616 KEYBORD AND WORKSTN  
FILES MUST BE PRIMARY OR  
DEMAND FILES. DEMAND IS  
ASSUMED.**

Severity: Terminal

Specification Type: F

**Explanation:**

A KEYBORD or WORKSTN file is not specified as a primary or a demand file (P or D in column 16).

**RPG —0617 RESULT FIELD CANNOT BE  
AN ARRAY.**

Severity: Terminal

Specification Type: C

**RPG —0618 CANNOT HAVE ANY OTHER  
PRIMARY OR SECONDARY  
FILES WHEN KEYBORD OR  
WORKSTN IS SPECIFIED AS  
PRIMARY.**

Severity: Terminal

Specification Type: F

**Explanation:**

When KEYBORD or WORKSTN are specified as primary files, no other file can be specified as primary or secondary. Remove the secondary file designation entry (column 16).

**RPG —0625 FACTOR 1 MUST BE NUMERIC  
FOR CHAIN OR READE  
OPERATION CODE WHEN  
FACTOR 2 FILENAME HAS  
PACKED KEY FIELD.**

Severity: Warning

Specification Type: C

**RPG —0631 IN PACKED FORMAT, FACTOR  
1 MUST HAVE THE SAME  
LENGTH AS PACKED KEY  
FIELD FOR FACTOR 2  
FILENAME.**

Severity: Terminal

Specification Type: C

**Explanation:**

The entry in factor 1 of a CHAIN or READE operation is not the same length when packed as the record keys in the file named in factor 2.

**RPG —0632 SET OR KEY OPERATION  
CODE IS SPECIFIED WITH NO  
FUNCTION.**

Severity: Terminal

Specification Type: C

**Explanation:**

The SET or KEY operation code was entered in columns 28 through 32 without specifying the SET or KEY function to be performed. Specify the function of the SET or KEY operation you want to perform (columns 18 through 27, 33 through 40, and/or 43 through 48).

**RPG —0645 IMPROPER USE OF THE  
PACK/UNPACK FEATURE FOR  
LIMITS FILE PROCESSING.**

Severity: Terminal

Specification Type: E

**Explanation:**

The unpacked key length must be one or two less than twice the packed key length.

**RPG —0646 WHOLE ARRAY IN RESULT  
FIELD IS INVALID FOR  
SPECIFIED OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

An entire array cannot be specified as the result field for the operation specified. Make the result field a field (which must be numeric for XFOOT), an array element, or a table element.

**RPG —0647 UNEQUAL KEY LENGTHS ARE  
SPECIFIED FOR KEYS OF  
IDENTICAL FORMAT.**

Severity: Warning

Specification Type: E

**Explanation:**

The key length of a limits file (record address file) should be equal to the key length of the file to be processed by limits. The key length of the file processed by limits is assumed as the key length of the limits file.

**RPG —0650 COMPILE-TIME ARRAYS ARE  
DEFINED AS OVERLAPPING  
ARRAYS IN THE SAME DATA  
STRUCTURE.**

Severity: Terminal

Specification Type: E

**Explanation:**

Two or more compile-time arrays have been defined in the same data structure such that they overlap. The from and to positions for the definitions of these arrays in the input specifications should be changed to correct the overlap.

**RPG —0652 COMPILE-TIME ARRAY IS NOT  
VALID IN DATA STRUCTURE  
SPECIFIED AS SAVDS.**

Severity: Terminal

Specification Type: I

**Explanation:**

If a data structure is defined as SAVDS in a program, a compile-time array cannot be defined as part of this data structure.

**RPG —0653 THE SAME DATA STRUCTURE  
CANNOT BE SPECIFIED AS  
THE SAVDS AND AS THE  
DISPLAY STATION LOCAL  
DATA AREA.**

Severity: Terminal

Specification Type: I

**Explanation:**

The same data structure cannot be specified as the SAVDS and as the display station local data area in the same program.

**RPG —0654 DEFINED LENGTH OF THE  
DATA STRUCTURE IN THE  
RECORD IS LESS THAN THE  
HIGH TO POSITION OF FIELDS  
DEFINING THE CONTENTS OF  
THE DATA STRUCTURE.  
LENGTH OF DATA  
STRUCTURE IN RECORD IS  
ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

If a data structure is defined as a field in a record, this definition overrides the definition of the fields describing the contents of the data structure. If the data structure is not defined previously as a field in a record, the length of the data structure is assumed to be the highest to position of a field in the data structure.

**RPG —0655 OVERLAPPING FIELDS IN A  
DATA STRUCTURE CANNOT  
BE USED IN THE SAME  
CALCULATION  
SPECIFICATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

Overlapping fields in a data structure cannot be used in the same calculation specification. If factor 1, factor 2, or the result field references an array or array element with a variable subscript, the entire array is used to determine whether overlap exists. The same array name can be referenced in the appropriate factors of a calculation specification without violating the overlap rule.

**RPG —0656 RECORD INFORMATION OR DATA STRUCTURE IS SPECIFIED ON SAME SPECIFICATION AS FIELD TYPE ENTRIES FOR A DATA STRUCTURE. COLUMNS 7-43 ARE ASSUMED TO BE BLANK.**

Severity: Terminal

Specification Type: I

**Explanation:**

Columns 7 through 43 must be blank for a field specified in a data structure.

**RPG —0657 SEQUENCE ENTRY IN COLUMNS 15-16 MUST BE BLANK FOR A DATA STRUCTURE.**

Severity: Terminal

Specification Type: I

**Explanation:**

If a data structure is specified in columns 19 and 20, columns 15 and 16 must be blank.

**RPG —0658 COLUMNS 21-74 MUST BE BLANK FOR A DATA STRUCTURE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Columns 21 through 74 must be blank if a data structure is specified correctly in columns 19 and 20 of the same input specification.

**RPG —0659 DATA STRUCTURE DEFINED AS THE DISPLAY STATION LOCAL DATA AREA MUST NOT EXCEED LENGTH OF 512. LENGTH OF 512 IS ASSUMED.**

Severity: Terminal

Specification Type: I

**RPG —0660 DATA STRUCTURE NAME IS INVALID IN CALCULATIONS EXCEPT WITH RLABL OPERATION CODE AND AS RESULT FIELD OF POST OPERATION CODE.**

Severity: Terminal

Specification Type: I

**RPG —0707 RESULT FIELD MUST BE EITHER A 6- OR 12-POSITION NUMERIC FIELD WHEN USING THE TIME OPERATION CODE.**

Severity: Terminal

Specification Type: C

**RPG —0720 COLUMN 15 MUST BE C FOR WORKSTN FILE. C IS ASSUMED.**

Severity: Warning

Specification Type: F

**RPG —0721 ONLY ONE WORKSTN FILE IS ALLOWED.**

Severity: Terminal

Specification Type: F

**RPG —0722 CONSOLE/KEYBOARD/CRT FILES ARE NOT ALLOWED WITH WORKSTN FILES.**

Severity: Terminal

Specification Type: F

**RPG —0725 COLUMNS 60-65 DO NOT CONTAIN A VALID FIELD NAME, OR COLUMNS 60-67 DO NOT CONTAIN A VALID FORMAT LOAD MEMBER NAME, \*NONE, OR A VALID COMMUNICATION FORMATS FILE NAME.**

Severity: Terminal

Specification Type: F

**Explanation:**

One of the following situations exists:

- The keyword in columns 54 through 59 was ID, SLN, SAVDS, INFDS, or INFSR, but columns 60 through 65 did not contain a valid field, label, or data structure name.
- The keyword in columns 54 through 59 was RECNO, but columns 60 through 65 did not contain a valid field name.
- The keyword in columns 54 through 59 was FMST, but columns 60 through 67 did not contain a valid format load member name or the keyword \*NONE.
- The keyword in columns 54 through 59 was CFILE, but columns 60 through 67 did not contain a valid communication formats file name.

**RPG —0726 COLUMNS 64-65 DO NOT CONTAIN A VALID VALUE FOR NUM OR IND CONTINUATION-LINE OPTIONS.**

Severity: Terminal

Specification Type: F

**Explanation:**

With IND or NUM a 2-digit numeric value must be entered in columns 64 and 65.

**RPG —0727 INVALID DEFINITION FOR A FIELD ASSOCIATED WITH RECNO CONTINUATION-LINE OPTION.**

Severity: Terminal

Specification Type: F

**Explanation:**

The field associated with the keyword RECNO is not defined as a 7-position, numeric field with zero decimal positions.

**RPG —0728 BLOCK LENGTH MUST BE BLANK FOR WORKSTN. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: F

**RPG —0729 COLUMNS 54 AND 55 MUST CONTAIN A VALID RESULTING INDICATOR, AND COLUMNS 56-59 MUST BE BLANK FOR THIS OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The SHTDN operation code requires a valid indicator in columns 54 and 55. No other indicators can be specified in columns 56 through 59 nor can columns 54 and 55 be blank.

**RPG —0730 THE RESULT FIELD MUST BE A DATA STRUCTURE NAME WHEN USING THE POST OPERATION CODE.**

Severity: Terminal

Specification Type: C

**RPG —0799 ERROR FILE IS FULL.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

Too many errors were made in this program. The errors are listed on the output listing.

**RPG —0801 AND LINE, COLUMNS 14-16, IS INVALID FOR THIS DEVICE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Use of AND lines in record ID codes is not valid with this device.

**RPG —0802 RECORD IDENTIFICATION CODES IN COLUMNS 35-41 ARE NOT ALLOWED WITH THIS DEVICE.**

Severity: Terminal

Specification Type: I

**Explanation:**

Record ID codes in columns 21 through 34 only are valid for this device. Entries in columns 35 through 41 are not allowed.

**RPG —0803 ENTRIES IN COLUMNS 21-34 ARE BLANK OR INVALID FOR THIS DEVICE.**

Severity: Terminal

Specification Type: I

**Explanation:**

One of the following error conditions exists:

- Column 24 does not contain a 1.
- Column 25 is not blank.
- Column 26 does not contain a C, and/or two record ID codes are used.
- Column 31 does not contain a 2.
- Column 32 is not blank.
- Column 33 does not contain a C.

**RPG —0804 INCONSISTENT RECORD IDENTIFICATION CODE USAGE ON OR LINE.**

Severity: Terminal

Specification Type: I

**Explanation:**

The number of record ID codes on an OR line must be the same as its associated record line.

**RPG —0805 RECORD IDENTIFICATION CODES CAN BE USED ONLY ONCE.**

Severity: Terminal

Specification Type: I

**Explanation:**

A record ID code character can only be used once in a file.

**RPG —0806 INVALID OR NO RECORD IDENTIFICATION INDICATOR IS DEFINED. 10 IS ASSUMED.**

Severity: Terminal

Specification Type: I

**Explanation:**

A record line for a CONSOLE file must have a record ID indicator between 01 and 10 assigned.

**RPG —0807 FIELD LENGTH DEFINED FOR RECORD IDENTIFICATION IS NOT LENGTH OF IDENTIFICATION.**

Severity: Terminal

Specification Type: I

**Explanation:**

A field was defined starting in column 1 but was not equal to the length of the record ID code for the CONSOLE file. If the record ID code is given a field name, the field can only be as long as the ID code.

**RPG —0808 INVALID START POSITION FOR FIRST FIELD TO BE PROMPTED.**

Severity: Terminal

Specification Type: I

**Explanation:**

The start position of the first field to be prompted for does not start immediately following the record ID for the CONSOLE file.

**RPG —0809 INVALID FROM OR TO ENTRY IN COLUMNS 44-51 FOR FIELD PROMPT DESCRIPTION.**

Severity: Terminal

Specification Type: I

**Explanation:**

The prompt format description entry for the CONSOLE file is invalid for one of the following reasons:

- The from entry (columns 44 through 47) is 1, and the to entry (columns 48 through 51) is greater than 2.
- The field prompt description overlaps the previously defined field prompt. The from position is less than the previous to position, and the to position is greater than the previous to position.
- From entry is greater than the previous to position plus 1.

**RPG —0810 FIELD-RECORD-RELATION INDICATORS, COLUMNS 63-64, ARE INVALID WITH A PROMPT FIELD.**

Severity: Terminal

Specification Type: I

**Explanation:**

Field-record-relation indicators, columns 63 and 64, must be left blank on a field prompt definition for a CONSOLE file.

**RPG —0811 LENGTH OF PROMPT FIELD IN COLUMNS 44-51 EXCEEDS LIMITS. MAXIMUM LENGTHS ARE 66 FOR ALPHAMERIC**

**FIELDS AND 15 FOR NUMERIC FIELDS.**

Severity: Terminal

Specification Type: I

**RPG —0813 RECORD IDENTIFICATION INDICATORS MUST BE UNIQUE.**

Severity: Terminal

Specification Type: I

**Explanation:**

A record identification indicator can be used only once for a CONSOLE file.

**RPG —0815 A CONSOLE FILE MUST HAVE AT LEAST 1 FIELD DEFINED FOR WHICH THERE IS A PROMPT.**

Severity: Terminal

Specification Type: I

**Explanation:**

A CONSOLE file was defined with no prompted fields. Define at least one field in the CONSOLE file other than a record identification field.

**RPG —0816 FACTOR 2 MUST BE A CONSOLE FILE FOR A VALID RESULT FIELD ENTRY.**

Severity: Terminal

Specification Type: C

**Explanation:**

The ERASE function applies only to a CONSOLE file, which must be specified in factor 2. The job is ended, and the entire specification line is ignored.

**RPG —0817 FACTOR 2 IS SPECIFIED ON SET OPERATION CODE WITHOUT RESULT FIELD ENTRY 'ERASE'.**

Severity: Terminal

Specification Type: C

**Explanation:**

Factor 2 on a SET operation requires an associated keyword (ERASE) specified in the result field (columns 43 through 48). The job is ended, and the entire specification is ignored.

**RPG —0818 INVALID ENTRY IN COLUMNS 49-51.**

Severity: Warning

Specification Type: C

**Explanation:**

The entry in columns 49 through 51 is not valid for a SET operation code. The entry in columns 49 through 51 is ignored by the system.

**RPG —0819 LENGTH OF FACTOR 1 OR RESULT FIELD CANNOT EXCEED 40 CHARACTERS IF 6X40 SCREEN IS SPECIFIED OR 79 CHARACTERS IF FULL SCREEN IS SPECIFIED.**

Severity: Terminal

Specification Type: C

**Explanation:**

A record length of 40 or less was specified for the KEYBOARD file, but factor 1 on a SET or KEY operation or the result field on a KEY operation is greater than 40 characters. Or, if a record length of greater than 40 was specified, factor 1 or the result field is greater than 79 characters.

**RPG —0821 MULTIPLE CONSOLE FILES ARE DEFINED, BUT ONLY ONE IS ALLOWED. DEFAULT IS TO DISK.**

Severity: Terminal

Specification Type: F

**RPG —0822 CONSOLE CAN ONLY BE AN INPUT FILE. DEFAULT IS TO INPUT.**

Severity: Terminal

Specification Type: F

**RPG —0823 CONVERSATIONAL FILES ARE NOT ALLOWED. DEFAULT IS TO INPUT.**

Severity: Terminal

Specification Type: T

**Explanation:**

BSCA conversational files are not allowed. The file is assumed to be an input file.

**RPG —0825 FOR CONSOLE THE RECORD LENGTH MUST BE TWICE AS LARGE AS THE RECORD ADDRESS FIELD LENGTH. DEFAULT IS 2 TIMES RECORD ADDRESS FIELD LENGTH.**

Severity: Warning

Specification Type: F

**RPG —0826 BOTH ITB AND TRANSPARENCY CANNOT BE SPECIFIED FOR A TRANSMITTING FILE. ITB WAS DROPPED.**

Severity: Terminal

Specification Type: T

**Explanation:**

Capability is not supported on system.

**RPG —0828 WHOLE ARRAY NAME IS INVALID FOR FIELD NAME ENTRY IN COLUMNS 53-58 FOR CONSOLE FILE.**

Severity: Terminal

Specification Type: I

**Explanation:**

An array name was specified in columns 53 through 58 of the input specifications. For CONSOLE files, whole array names must be entered in either of the following ways:

- Define the whole array as a subfield within a field for a CONSOLE record.
- Define each element of the array with an index, and place this entry in columns 53 through 58 of the input specifications. The index must be an integer value.

**RPG —0834 INVALID USE OF DO OR END.**

Severity: Terminal

Specification Type: C

**Explanation:** Factor 1 (position 18-27), factor 2 (position 33-42) and result field (position 43-48) for a DO operation must be numeric with zero decimal positions if specified. Factor 2 (position 33-42) for an END operation must be numeric with zero decimal positions if specified.

**RPG —0835 INVALID SUFFIX IS SPECIFIED WITH THE IF, DOW, DOU OR CAS OPERATION CODE.**

Severity: Terminal

Specification Type: C

**Explanation:**

The suffix for an IF, DOW, DOU, or CAS operation code must be GT, LT, EQ, NE, LE, or GE. The CAS operation code may be used without a suffix.

**RPG —0836 CONDITIONING INDICATORS IN COLUMNS 9-17 ARE NOT ALLOWED ON AN END OPERATION IF THE END OPERATION IS ASSOCIATED WITH AN IF, ELSE, OR CAS OPERATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

The END operation that is associated with an IF, ELSE, or CAS operation must not have conditioning indicators specified in columns 9 through 17. The conditioning indicators are ignored.

**RPG —0838 NESTING LEVEL OF "DO GROUP" IS GREATER THAN 100.**

Severity: Terminal

Specification Type: C

**Explanation:** The maximum nesting level for an IF/ELSE, DO, DOW, or DOU operation is 100. Reduce the level of nesting and recompile.

**RPG —0839 END OPERATION IS MISSING FOR CAS. END OPERATION IS ASSUMED.**

Severity: Terminal

Specification Type: C

**Explanation:**

A CAS operation should be followed by another CAS or an END. An END should close out the CAS group. An END is assumed.

**RPG —0840 END OPERATION IS MISSING FOR IF/ELSE, DO, DOW OR DOU GROUP.**

Severity: Terminal

Specification Type: C

**Explanation:** The END operation must be used within a specific calculation time such as detail, total (L0-L9), LR, or SR to specify the end of an IF/ELSE, DO, DOW, or DOU group.

**RPG —0841 END OPERATION IS NOT ASSOCIATED WITH AN IF/ELSE, DO, DOW, DOU, OR CAS OPERATION. THE EXTRA END SPECIFICATION IS IGNORED.**

Severity: Terminal

Specification Type: C

**Explanation:** The END operation can be used only to specify the end of an IF/ELSE, DO, DOW, DOU, or CAS group.

**RPG —0842 AN ELSE OPERATION MUST HAVE AN ASSOCIATED IF OPERATION. THE ELSE OPERATION IS IGNORED.**

Severity: Terminal

Specification Type: C

**Explanation:**

The ELSE operation must be used with an IF operation.

**RPG —0843 AN ENTRY IN COLUMNS 49-52 OF A CAS OPERATION IS INVALID.**

Severity: Terminal

Specification Type: C

**Explanation:**

It is invalid to define a field in the result field of a CAS operation. The result field must be a valid subroutine name.

**RPG —0844 THE INCREMENTING VALUE SPECIFIED IN FACTOR 2 OF THE END STATEMENT FOR THE DO OPERATION MUST BE GREATER THAN ZERO.**

Severity: Warning

Specification Type: C

**Explanation:** The incrementing value in factor 2 must be a positive number, otherwise an infinite loop will result during execution.

**RPG —0845 THE START VALUE SPECIFIED IN FACTOR 1 OF THE DO STATEMENT IS GREATER THAN THE LIMIT VALUE SPECIFIED IN FACTOR 2.**

Severity: Warning

Specification Type: C

**Explanation:** When the start value is greater than the limit value, the DO loop will never be executed. Check your program logic to see if this is what you want to do.

**RPG —0900 A DATA DICTIONARY MUST BE SPECIFIED WHEN COMMUNICATION FORMATS ARE USED.**

Severity: Terminal

Specification Type: F

**Explanation:**

If a communication formats file is specified (columns 60 through 67 on the CFILE continuation line option), the data dictionary containing that file must be specified. The dictionary name is specified through the RPGC, AUTOC, or RPGONL procedure, or as a parameter of the COMPILE OCL statement.

**RPG —0901 MOVING ALPHAMERIC DATA TO A NUMERIC RESULT FIELD MAY PRODUCE UNPREDICTABLE RESULTS.**

Severity: Warning

Specification Type: C

**Explanation:**

When you use the MOVEA operation code to move alphameric data to a numeric result field, a later operation that expects numeric data in that field may return unpredictable results.

**RPG —0911 RESULT FIELD ENTRY IN COLUMNS 43-48 CANNOT BE DEFINED BECAUSE FACTOR 2 OF THE DEFN OPERATION IS INVALID.**

Severity: Terminal

Specification Type: C

**Explanation:**

In a DEFN operation, the result field is defined by basing its length and type on the factor 2 field, if factor 2 is valid. A factor 2 entry is invalid if it is one of the following:

- A data structure name
- A figurative constant
- An undefined field, table, or array
- A file name

**RPG —0912 INVALID FIELD LENGTH SPECIFIED FOR THE RESULT FIELD IN DEFN OPERATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

The calculated length of the DEFN result field is invalid. If the result field of a DEFN operation is numeric, the field length will be invalid if it is less than 1, greater than 15, or less than the number of decimal positions of the factor 2 entry. If the result field is alphameric, the length will be invalid if it is calculated to be less than 1 or greater than 256.

**RPG —0913 A SPECIAL WORD CANNOT BE USED AS A RESULT FIELD IN A DEFN OPERATION.**

Severity: Terminal

Specification Type: C

**Explanation:**

The special words UDATE, UDAY, UMONTH, UYEAR, PAGE, and PAGE1 through PAGE7 cannot be specified as the result field entry (columns 43-48) of a DEFN operation.

**RPG —0914 THE RESULT FIELD OF THIS DEFN OPERATION HAS BEEN PREVIOUSLY DEFINED, OR THE RESULT FIELD OF THIS OPERATION WAS PREVIOUSLY DEFINED BY A DEFN OPERATION. THE FIRST DEFINITION IS ASSUMED.**

Severity: Warning

Specification Type: C

**Explanation:**

If a field is defined more than once, and at least one of the definitions occurs through a DEFN operation, the first definition of the field will be used, and all others will be ignored. This warning message is issued even if all the definitions result in the same length and attributes for the field.

## Auto Report Messages

**NOTE— 001 SOURCE PROGRAM IS MISSING. COMPILE IS ENDED.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

/\* or \*\* was encountered as the first record in the source program.

**NOTE— 002 RPG II CONTROL SPECIFICATION IS MISSING. A CONTROL SPECIFICATION WITH BLANK ENTRIES IS CREATED.**

Severity: Warning

Specification Type: H

**NOTE— 003 SOURCE PROGRAM CONTAINS MORE THAN ONE RPG II CONTROL SPECIFICATION. ALL BUT THE FIRST ARE DROPPED.**

Severity: Warning

Specification Type: H

**Explanation:**

Multiple RPG control specifications are present in the source program. The copied member may contain a control specification.

**NOTE— 004 DUPLICATE FILENAMES ARE PRESENT ON THE FILE DESCRIPTION SPECIFICATIONS READ FROM THE SOURCE FILE. DUPLICATE IS DROPPED.**

Severity: Warning

Specification Type: F

**NOTE— 005 REQUESTED LIBRARY  
MEMBER CANNOT BE FOUND.  
SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: /COPY

**Explanation:**

The requested library member was not found for one of the following reasons:

- The wrong name was used for the member.
- The wrong library was specified.

**NOTE— 006 DUPLICATE FILENAMES ARE  
PRESENT ON THE FILE  
DESCRIPTION  
SPECIFICATIONS READ FROM  
THE LIBRARY SOURCE  
MEMBER. DUPLICATE IS  
DROPPED.**

Severity: Warning

Specification Type: F

**Explanation:**

The library member can contain only one file description specification for a filename. The error occurred for one of the following reasons:

- One library source member contains two file description specifications for the same filename.
- More than one library source member has file description specifications for the same filename.

**NOTE— 007 TABLE AREA PROVIDED FOR  
INPUT OVERRIDES IS  
EXCEEDED. OVERRIDE  
FUNCTION IS DISCONTINUED  
FOR THIS /COPY.**

Severity: Warning

Specification Type: /COPY

**Explanation:**

The number of input field modifier statements following a /COPY exceeds the available space in the table. Those fields that could be overridden will be added to the file. Therefore, it is possible to have invalid specifications in the generated program. Auto report always handles at least 20 overrides. Place override statements first, followed by input fields to be added to the copied specifications. This allows all table space to be used for override statements.

**NOTE— 008 INVALID RPG II  
SPECIFICATION TYPE.  
SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: /COPY

**Explanation:**

The error occurred for one of the following reasons:

- Position 6 does not contain an H, F, E, L, T, I, C, or O, and position 7 does not contain an asterisk.
- /COPY appears on an H (control) specification.

**NOTE— 009 INVALID OR UNDEFINED  
FILE FOR \*AUTO LINES.  
PROGRAM IS ENDED.**

Severity: Terminal

Specification Type: F, O

**Explanation:**

The error occurred for one of the following reasons:

- The \*AUTO file is not a PRINTER or line counter file.
- The file description specification for the \*AUTO file is missing.
- The names on the file description specification and \*AUTO file do not match.

**NOTE— 010 TABLE AREA FOR FIELD  
NAMES USED ON \*AUTO  
LINES IS EXCEEDED.  
SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Each field used in the H.\*AUTO and D/T.\*AUTO lines is placed in a table.

**NOTE— 011 TABLE AREA PROVIDED FOR  
FIELD NAMES IS EXCEEDED.  
NON-UNIQUE FIELD NAMES  
MAY BE CREATED.**

Severity: Warning

Specification Type: O

**Explanation:**

Generated field names that end in 1-9 or R are added to the field name table.

**NOTE— 012 CREATED TOTAL FIELD WAS PREVIOUSLY DEFINED WITH DIFFERENT ATTRIBUTES. PREVIOUS DEFINITION IS USED.**

Severity: Warning

Specification Type: O

**Explanation:**

For the \*AUTO specification, the generated total field was previously defined with either a different field length or a different number of decimal positions. The first or previous definition is used, and both the total field and the generated field names are printed with the error note number.

**NOTE— 013 \*AUTO WAS PREVIOUSLY USED FOR A DIFFERENT FILE. DROP ALL SPECIFICATIONS TO NEXT RECORD TYPE.**

Severity: Warning

Specification Type: O

**Explanation:**

\*AUTO can be specified for only one file.

**NOTE— 014 POSITIONS 7-22 MUST BE BLANK ON OUTPUT FIELD SPECIFICATION. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Positions 7 through 22 of output field specifications must be blank.

**NOTE— 015 INVALID INDICATOR. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Positions 24 and 25, 27 and 28, or 30 and 31 are not 01-99, KA-KN, KP-KY, L0-L9, MR, 1P, H1-H9, OA-OG, OV or

blank. Positions 23, 26, or 29 are not N or blank. The invalid indicator is printed with the note number. Blanks are assumed.

**NOTE— 016 INVALID FIELD NAME. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

The field name is invalid for one of these reasons:

- The field name was not found.
- The field name was not defined.
- The array index is preceded by a blank or two commas.

The specification is dropped, and the column headings for the field are also dropped.

**NOTE— 017 INVALID ENTRY IN POSITION 38 AND/OR 44. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 38 and position 44 must be blank for alphanumeric fields.

**NOTE— 018 INVALID ENTRY IN POSITION 39. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 39 was not a blank or B for any field on an H-\*AUTO line.

**NOTE— 019 INVALID ENTRY IN POSITIONS 40-43. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The end position cannot be specified on field specifications in an H-\*AUTO line.

**NOTE— 020 INVALID ENTRY IN  
POSITIONS 45-70. BLANKS  
ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

A literal or edit word cannot be specified with an alphameric field.

**NOTE— 021 FIELD NAME WILL BE  
CONDITIONED BY THE  
INDICATOR N1P.**

Severity: Warning

Specification Type: O

**Explanation:**

A field name is used and the H\*AUTO line is unconditioned. If printed on the first page, the field may not contain meaningful data because the first record had not been read. An N1P indicator will be generated by the system for this specification.

**NOTE— 022 INVALID EDIT CODE,  
POSITION 38. BLANK IS  
ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 38 is not one of the following valid codes: A, B, C, D, J, K, L, M, 1, 2, 3, 4, X, Y, or Z.

**NOTE— 023 INVALID ENTRY IN POSITION  
44. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 44 is not used with \*AUTO because packed and binary data cannot be used. Position 44 must be blank.

**NOTE— 024 CONDITIONING INDICATORS  
IN POSITIONS 23-31 ARE NOT  
BLANK FOR A TOTALING  
FIELD. A IN POSITION 39, ON**

**A T \*AUTO LINE. BLANKS  
ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

The indicators specified on a totaling field in a T \*AUTO specification are not used when generating specifications.

**NOTE— 025 LITERAL IN POSITIONS 45-70  
HAS APOSTROPHE MISSING  
AT BEGINNING OR END.  
BLANKS ARE ASSUMED IN  
POSITIONS 45-70.**

Severity: Warning

Specification Type: O

**Explanation:**

The error occurred for one of these reasons:

- Position 45 is not an apostrophe, but positions 45 through 70 are not blank.
- Position 45 is an apostrophe, but there are no apostrophes in positions 46 through 70.
- There is an embedded single apostrophe (not paired) in positions 46 through 69.
- Positions 45 through 70 are not blank after the last apostrophe.

This specification is dropped if no field name is present.

**NOTE— 026 UNABLE TO DETERMINE IF  
THIS IS A FIELD OR RECORD  
SPECIFICATION.  
SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 15 is blank indicating it is a field specification, but positions 32 through 37 and 45 through 70 are also blank. This specification and its possible column headings are dropped.

**NOTE— 027 POSITIONS 38-44 MUST BE  
BLANK WHEN A LITERAL IS  
SPECIFIED. BLANKS ARE  
ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Positions 38 through 44 must be blank when a literal is specified on an H-\*AUTO line.

**NOTE— 028 POSITIONS 7-13 MUST BE BLANK ON AND/OR SPECIFICATION. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Positions 7 through 13 are not blank when positions 14 through 16 contain AND or positions 14 and 15 contain OR.

**NOTE— 029 SPACE AND/OR SKIP ENTRIES IN POSITIONS 17-22 ARE INVALID. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

One or more of the following conditions are true:

- Position 17 does not contain 0 through 3 or blank.
- Position 18 does not contain 0 through 3 or blank.
- Positions 19 and 20 do not contain 01 through 84.
- Positions 21 and 22 do not contain 01 through 84.

**NOTE— 030 POSITIONS 37-70 MUST BE BLANK ON RECORD SPECIFICATION. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Positions 37 through 70 must be blank for record types.

**NOTE— 031 INVALID ENTRY IN POSITION 38. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Edit code cannot be specified for a literal on D/T-\*AUTO lines.

**NOTE— 032 END POSITION IN POSITIONS 40-43 IS INVALID. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Error occurred because either positions 40 through 43 contain invalid numbers or the end position exceeds the record length.

**NOTE— 033 CREATED FIELD LENGTH EXCEEDS 15. 15 IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Two positions have been added to a field specified with an A in position 39 in order to generate a total field. The length of the generated total field exceeds 15. Decrease the length of the field on the specification where definition of the field occurred.

**NOTE— 034 DEFINITION OF FIELD IS INVALID. DEFINITION IS NOT USED.**

Severity: Warning

Specification Type: F, E, I, C

**Explanation:**

This error occurred for one of these reasons:

- Length equals 0.
- Length is greater than 15 for a numeric field.
- Length entry is nonnumeric.
- Length is less than decimal position.
- Decimal position entry is nonnumeric.
- Position 43 of input specifications or positions 43 and 55 of extension specifications are not P, B, or blank.

**NOTE— 035 ARRAY NAME IS SPECIFIED ON \*AUTO LINE. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

This error occurred for one of these reasons:

- The field name in this H.\*AUTO or D/T.\*AUTO specification is an array name.
- A generated name for this D/T.\*AUTO specification total field is an array name. In this case, the specification is dropped along with all its column headings.

In positions 32 through 37, enter the name of a numeric field that is to be accumulated. Both the total field name and the generated field array name are printed with the note number, or the specification is dropped.

**NOTE— 036 RECORD LENGTH FOR FILE WITH \*AUTO LINES IS INVALID. RECORD LENGTH OF 96 IS ASSUMED.**

Severity: Warning

Specification Type: F

**Explanation:**

This error occurred for one of these reasons:

- Record length is 0.
- Record length is nonnumeric.
- Record length is blank.

**NOTE— 037 TOTALING, A IN POSITION 39, IS SPECIFIED FOR AN INVALID FIELD NAME. POSITION 39 IS ASSUMED TO BE BLANK.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 39 of a D/T.\*AUTO specification field has an A, yet the field name is one of the following:

- Blank

- A table name
- An indexed array name
- A page field

In positions 32 through 37, enter the name of a numeric field that is to be accumulated. The system drops the specification and all its column headings.

**NOTE— 038 TOTALING, A IN POSITION 39, IS SPECIFIED FOR AN ALPHAMERIC FIELD. POSITION 39 IS ASSUMED TO BE BLANK.**

Severity: Warning

Specification Type: O

**Explanation:**

The D/T.\*AUTO line field name is alphameric, and position 39 is an A. In positions 32 through 37, enter the name of a numeric field that is to be accumulated.

**NOTE— 039 POSITIONS 7-38 MUST BE BLANK FOR A COLUMN HEADING. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 39 is a C; therefore, positions 7 through 38 must be blank.

**NOTE— 040 INVALID ENTRY IN POSITION 39. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

This error occurred for one of these reasons:

- Position 39 is B, but the field name is blank.
- This is a field specification of a D/T.\*AUTO line, and position 39 is not A, B, C, 1-9, R, or blank.

**NOTE— 041 COLUMN HEADING, C IN POSITION 39, IS SPECIFIED BUT LITERAL NOT PRESENT. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 39 is a C, and positions 45 through 70 are blank.

**NOTE— 042 EDIT CODE AND EDIT WORD ARE BOTH SPECIFIED. EDIT WORD IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Edit Code in position 38 and edit word in positions 45 through 70 are both specified. Positions 45 through 70 are assumed blank. Floating currency symbol or asterisk fill in positions 45 through 47 may be specified with an edit code.

**NOTE— 043 EDITING IS SPECIFIED FOR AN ALPHAMERIC FIELD. BLANKS ARE ASSUMED IN POSITIONS 38 AND 45-70.**

Severity: Warning

Specification Type: O

**Explanation:**

Positions 38 and 45 through 70 must be blank for alphameric fields.

**NOTE— 044 INVALID ENTRY IN POSITION 16. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 16 is not F or blank.

**NOTE— 045 AND/OR SPECIFICATION IS OUT OF SEQUENCE. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

The AND/OR (positions 14 through 16) does not follow a record specification. Ensure that record identification entries in columns 15 through 31 precede AND or OR lines.

**NOTE— 046 MULTIPLE D/T \*AUTO LINES ARE SPECIFIED IN THE PROGRAM. ALL SPECIFICATIONS ARE DROPPED TO NEXT RECORD TYPE.**

Severity: Warning

Specification Type: O

**Explanation:**

Only one D/T-\*AUTO line is allowed in the program.

**NOTE— 047 COLUMN HEADING SPECIFICATION IS OUT OF ORDER. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

A field specification with a C in position 39 does not follow a specification with a C, B, A, or blank (with a field name in positions 32 through 37) in position 39.

**NOTE— 048 END POSITION IS INVALID FOR THIS SPECIFICATION TYPE. BLANKS ARE ASSUMED IN POSITIONS 40-43.**

Severity: Warning

Specification Type: O

**Explanation:**

The end position cannot be specified for these specifications if there is a C, R, or 1-9 in position 39.

**NOTE— 049 SPECIFIED END POSITION IS LESS THAN FIELD OR LITERAL LENGTH. BLANKS ARE ASSUMED IN POSITIONS 40-43.**

Severity: Warning

Specification Type: O

**Explanation:**

End positions (40 through 43) must be at least as large as the field or literal.

**NOTE— 050 MORE THAN THREE COLUMN HEADING LINES ARE SPECIFIED. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Only two consecutive \*AUTO specifications may have a C in position 39.

**NOTE— 051 NO VALID TOTALING FIELDS ARE SPECIFIED. ONLY ONE D/T OUTPUT LINE IS CREATED. TOTAL LINE CONSTANTS, 1-9, R IN POSITION 39, ARE DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 39 of D/T\*AUTO line does not contain an A. Therefore no automatic totaling is done and no total lines are generated. Use a specification with an A in position 39 if you want automatic totaling done.

**NOTE— 052 1-9, R IS INVALID IN POSITION 39. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Position 39 contains 1-9, but the associated level indicator (L1-L9) was not defined on input specifications (positions 59 and 60), or this is a T\*AUTO line and the lowest level indicator used on the T\*AUTO line is of greater or equal level. If a 2 was specified in position 39, then L2 must be defined as a level indicator on the input specifications; if this is a T\*AUTO line, the lowest control-level indicator present in the T\*AUTO line must be L1.

**NOTE— 053 INDICATORS ARE NOT ALLOWED ON THIS**

**SPECIFICATION TYPE.  
BLANKS ARE ASSUMED IN  
POSITIONS 23-31.**

Severity: Warning

Specification Type: O

**Explanation:**

Indicators cannot be used on:

- A field description following an H\*AUTO specification.
- A field description with position 39 containing a 1-9 or R following a D/T\*AUTO line.

**NOTE— 054 SPECIFIED END POSITION CAUSES OVERLAYS OF FIELDS OR LITERALS. BLANKS ARE ASSUMED IN POSITIONS 40-43.**

Severity: Warning

Specification Type: O

**Explanation:**

The length of the line up to this specification plus the length of the field/literal of this specification is greater than the specified end position. An end position will automatically be generated if positions 40 through 43 are left blank.

**NOTE— 055 I/O ERROR OCCURED.  
PROGRAM IS ENDED.**

Severity: Terminal

Specification Type: Not applicable

**Explanation:**

The additional information printed with the error describes the problem:

- (41) Permanent disk error.
- (44W) The number of blocks allocated for \$WORK is too small. The system could not successfully extend the file.
- (44S) The number of blocks allocated for \$SOURCE is too small. The system could not successfully extend the file.

**NOTE— 056 LIBRARY NAME OR SOURCE MEMBER NAME IS INVALID. ENTRY IS DROPPED.**

Severity: Warning

Specification Type: U and /COPY

**Explanation:**

A /COPY statement cannot have a U or H in column 6 of the specification sheet. When using Auto Report Option Specifications, the specification sheet must have a U in column 6.

For the U specification, the library name can be F1, #LIBRARY, or a valid 8-character library name, and must begin in column 8. The member name can be up to 8 characters long and must be separated from the library name by a comma.

For the /COPY statement, the library name can be F1, #LIBRARY, or a valid library name, and must begin in column 13. The member name can be up to 8 characters long and must be separated from the library name by a comma.

**NOTE— 057 TOTALING IS SPECIFIED MORE THAN ONCE FOR THIS FIELD NAME. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Totaling for any particular field name specified with an A in position 39 may be specified only once in each program.

**NOTE— 058 TOO MANY H \*AUTO LINES. DROP ALL SPECIFICATIONS TO NEXT RECORD TYPE.**

Severity: Warning

Specification Type: O

**Explanation:**

More than five H-\*AUTO lines were specified.

**NOTE— 059 INVALID ENTRY IN POSITION 7 OF U SPECIFICATION. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: U

**Explanation:**

Valid entries are C or blank.

**NOTE— 060 LIBRARY AND MEMBER NAME IN POSITIONS 8-24**

**MUST BE BLANK. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: U

**Explanation:**

Positions 8 through 24 must be blank if position 7 is blank.

**NOTE— 061 INVALID ENTRY IN DATE SUPPRESS, POSITION 27. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: U

**Explanation:**

Valid entries are N and blank. Page/date is not suppressed. If position 27 is blank, the heading line generated by the first H-\*AUTO specification will contain a date and page number.

**NOTE— 062 INVALID ENTRY IN ASTERISK SUPPRESS, POSITION 28. BLANK IS ASSUMED.**

Severity: Warning

Specification Type: U

**Explanation:**

Valid entries are N and blank. Asterisks will appear. An asterisk is printed on the first generated total line to the right of the highest end position generated from the D/T-\*AUTO specification. One additional asterisk is printed on each higher-level line including the final total.

**NOTE— 063 AND/OR SPECIFICATION IS INVALID. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

This error occurred for one of these reasons:

- The main record specification does not have conditioning indicators.
- The AND/OR specification has no indicators.

You can use AND and OR specifications with \*AUTO output indicators if you enter an output indicator on the first

record description specification. Normal RPG II rules for AND and OR lines apply.

**NOTE— 064 D/T \*AUTO LINE OVERFLOW WILL OCCUR WITH CREATION OF ASTERISK INDICATION. ALL ASTERISKS ARE SUPPRESSED.**

Severity: Warning

Specification Type: O

**Explanation:**

One or more of the asterisks will cause overflow of the defined printer record length. Put an N in column 28 of the U specification to suppress the asterisks indication.

**NOTE— 065 POSITIONS FOLLOWING LIBRARY MEMBER NAME MUST BE BLANK. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: U

**Explanation:**

Positions 30 through 49 of the /COPY statement are not blank. This may be caused by an embedded blank in the name. In this case, characters up to the blank are considered the name. The rest of the characters are dropped.

**NOTE— 066 MORE THAN 19 AND/OR LINES CONDITION AN \*AUTO LINE. THIS AND ALL FOLLOWING AND/OR SPECIFICATIONS ARE DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

The RPG II language does not permit over 19 AND/OR lines on output specifications.

**NOTE— 067 LIBRARY NAME ON U SPECIFICATION OR /COPY SPECIFICATION NOT FOUND.**

Severity: Warning

Specification Type: U or /COPY

**Explanation:**

The library name you specified on a U specification or /COPY statement was not found. You may have specified the wrong library.

**NOTE— 068 TOO MANY FILE DESCRIPTION SPECIFICATIONS. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: F

**Explanation:**

The maximum number of files described in file description specifications is 20.

**NOTE— 069 AUTOMATIC TOTALING OF THIS FIELD CAUSES CONFLICTS IN CREATED FIELD NAME. POSITION 39 IS ASSUMED TO BE BLANK.**

Severity: Warning

Specification Type: O

**Explanation:**

This error occurred for one of these reasons:

- A field name that was generated for totaling was previously defined as alphameric.
- Another field name, which is a duplicate through 5 characters of this field name, appears in the program and is used as a totaling field.

Both names are printed, which may cause incorrect format of the output line.

**NOTE— 070 GENERATED LINE IS TOO LONG. EXCESS IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Either the length of H-\*AUTO line exceeds the record length or the length of D/T\*AUTO line exceeds twice the record length, depending on which is specified.

**NOTE— 071 INVALID OUTPUT RECORD TYPE IN POSITION 15. SPECIFICATION IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

Entry must be either H, D, T, or E.

**NOTE— 072 PAGE FIELD IS NOT AVAILABLE FOR USE IN PAGE HEADING. NO PAGE NUMBERING WILL OCCUR.**

Severity: Warning

Specification Type: O

**Explanation:**

Auto report uses one of the unused RPG II page fields (PAGE, PAGE1-PAGE7) for page numbering. If all the page fields have been used in the program, no page numbering will occur. Format of the output line may be incorrect.

**NOTE— 073 ERROR OCCURRED WHILE TRYING TO PUT A LIBRARY SOURCE MEMBER IN THE LIBRARY. SOURCE WAS NOT PUT IN LIBRARY.**

Severity: Warning

Specification Type: Not applicable

**Explanation:**

This error occurred for one of these reasons:

- The library is full and cannot be extended.
- Invalid operation (library may not be allocated).

The program is not cataloged.

**NOTE— 074 DUPLICATE LIBRARY SOURCE MEMBER NAME WAS FOUND IN THE LIBRARY. PREVIOUS MEMBER WAS REPLACED.**

Severity: Warning

Specification Type: Not applicable

**NOTE— 075 ENTRIES IN COLUMNS 25-26,29, AND/OR 31-74 MUST BE BLANK. BLANKS ARE ASSUMED.**

Severity: Warning

Specification Type: U

**NOTE— 076 CREATED END POSITION FOR TOTAL LINE CONSTANT, 1-9 OR R IN POSITION 39, EXCEEDS RECORD LENGTH. ALL TOTAL LINE CONSTANTS ARE DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

This error occurred for one of these reasons:

- The length of the constants for a particular level exceeds the record length.
- The first A-type field encountered has a beginning position greater than the record length.

**NOTE— 077 LEVEL INDICATOR USED ON T \*AUTO LINE IS UNDEFINED. INDICATOR IS DROPPED.**

Severity: Warning

Specification Type: O

**Explanation:**

A control level indicator used on a T.\*AUTO line must be defined in positions 59 and 60 of the input field specifications. The invalid indicator will be printed with the error note and no total lines will be generated.

**NOTE— 078 PUNCH OPTION IS INVALID.**

Severity: Warning

Specification Type: U

**Explanation:**

Punching of a generated source deck is not supported. Use a valid entry in position 7 of the U specification. There is no punching since the option is invalid.

**NOTE— 079 D-\*AUTO IS CONDITIONED BY MORE THAN 7 AND/OR LINES. ONLY THE FIRST 7 APPLY.**

Severity: Warning

Specification Type: C

**Explanation:**

The indicators that condition a D-\*AUTO line are used to condition the generated EXSR calculation specification needed for total rolling. RPG will allow only seven lines of AN/OR conditioning indicators in the calculation specifications.

**NOTE— 080 INVALID ENTRY IN LISTING  
OPTION, POSITION 30. BLANK  
IS ASSUMED.**

Severity: Warning

Specification Type: U

**Explanation:**

Valid entries are B, P, or blank.

## Chapter 3. Displayed Messages

### **RPG —1012 Terminal errors in RPG II source program**

Severity: 3    Auto Response: 2

#### **Explanation:**

The RPG II program being compiled contains at least one severe error and cannot be run.

To continue, enter option 2 or 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1012.

#### **Additional Information:**

Errors found in the source program are printed on the program listing. You must correct these errors before this program can be run.

#### **User Response:**

*Option 2:* The job step is ended. You will continue with the next job step.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1013 Warning errors in RPG II source program**

Severity: 3    Auto Response: 2

#### **Explanation:**

The RPG II program being compiled contains at least one warning error.

To continue, enter option 0, 2, or 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1013.

#### **Additional Information:**

Column 10 of the RPG II control specification contains a D, or no control specification was found in the RPG II program. This causes the system to halt for both warning errors and severe errors.

#### **User Response:**

*Option 0:* Default values are assigned for errors that caused warning messages, and the object program is compiled.

*Option 2:* The job step is ended. You will continue with the next job step.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1014 Disk I/O error creating diagnosed source file**

Severity: N/A    Auto Response: N/A

#### **Explanation:**

The RPG II compiler has encountered a disk I/O error while creating the diagnosed source member.

To continue, enter option 1, 2, or 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1014.

#### **Additional Information:**

Try creating the diagnosed source member again. If this error continues to occur, fill out a *Problem Summary Form* and notify your hardware service representative.

#### **User Response:**

*Option 1:* Continue compilation without creating the diagnosed source member.

*Option 2:* The job step is ended. A diagnosed source member is not created. You will continue with the next job step.

*Option 3:* The job is canceled. Any data created by a previous step in this job is preserved.

### **RPG —1015 [phase ID]—Compile halted to load this phase**

Severity: 3    Auto Response: 0

#### **Explanation:**

This message is for your programming service representative.

To continue, enter option 0 or 3.

#### **Additional Information:**

The dump control facility intercepted the compiler request to load the next phase, and issued a halt as specified in the dump control statements.

**User Response:**

*Option 0:* Compilation continues.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG —1021 No CONSOLE file exists in this program**

Severity: 5     Auto Response:

**Explanation:**

This is a programming error found by the RPG display format generator.

Enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1021.

**Additional Information:**

The RPGR procedure that generates display formats for a CONSOLE file was run, but no CONSOLE file was found in the program. No display formats are generated.

Job processing will pause, and message SYS-3725 will appear following this error message. Select option 0 in response to message SYS-3725, and run the job again after correcting the error.

**RPG —1022 Blank file name in columns 7-14 for CONSOLE device**

Severity: 5     Auto Response:

**Explanation:**

This is a programming error found by the RPG display format generator.

Enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1022.

**Additional Information:**

The RPG display format generator has found a blank file name for a CONSOLE file.

The file description specifications must contain the filename in columns 7 through 14. No display formats are generated.

Job processing will pause, and message SYS-3725 will appear following this error message. Select option 0 in response to message SYS-3725, and run the job again after correcting the error.

**RPG —1023 Different record ID code is used on 'OR' line**

Severity: 5     Auto Response:

**Explanation:**

This is a programming error found by the RPG display format generator.

Enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1023.

**Additional Information:**

There is an error in the input specifications.

The RPG display format generator diagnosed that the number of record identification codes (positions 21 through 34 of the input specification) on an OR line was not the same as on the preceding record line. No display formats are generated.

Job processing will pause, and message SYS-3725 will appear following this error message. Select option 0 in response to message SYS-3725, and run the job again after correcting the error.

**RPG —1024 Format for CONSOLE file does not fit on screen**

Severity: 5     Auto Response:

**Explanation:**

This is a programming error found by the RPG display format generator.

Enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1024.

**Additional Information:**

The RPG display format generator diagnosed that one or more CONSOLE formats would not fit on the screen.

Formats are generated that allow data to be entered into a single input field. The formats generated may cause the program to function incorrectly.

Job processing will pause, and message SYS-3725 will appear following this error message. Select option 0 in response to message SYS-3725.

**RPG —1027 CRT option is valid only if spooling is configured...**

Severity: 3     Auto Response: 0

**Explanation:**

Enter option 0 to continue. Enter option 3 to cancel the job. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1027.

**Additional Information:**

The CRT option was specified on the RPG or auto report compile procedure when the spooling function was not configured on the system.

The CRT option uses the COPYPR procedure, which requires the spooling function.

**User Response:**

*Option 0:* The job continues. PRINT is substituted for CRT in the procedure.

*Option 3:* The job is canceled. Any new data created by a previous job step is preserved.

**RPG –1028 Compiler listing output entry not found...**

Severity: 5 Auto Response:

**Explanation:**

Enter option 1 to retry the delete. Or enter option 3 to cancel this job. Notify the programmer responsible for maintaining this job that the message identification code is RPG–1028.

**Additional Information:**

The RPGONL procedure tried to delete the spool-file entry for the compiler listing created, but the spool-file entry was either not found or not available.

**User Response:**

*Option 1:* Retry the delete of the compiler listing.

*Option 3:* The job is canceled. The compiler listing may still remain on the spool queue. Any new data created by a previous job step is preserved.

**RPG –1029 RPG compiler error...**

Severity: 5 Auto Response:

**Explanation:**

There is an error with the RPG program product.

Notify the programmer responsible for maintaining this job that the message identification code is RPG–1029.

**Additional Information:**

Reinstall the RPG compiler on your system.

If the problem reoccurs, cancel the RPG compile with a dump. Fill out a *Problem Summary Form* and notify your programming service representative.

**User Response:**

*Option 3:* The job is canceled. Any data created by a previous step in this job is preserved.

**RPG –1032 Parameter must be NODSM or DSM**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The diagnosed-source-member parameter must be NODSM or DSM.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG–1032.

**User Response:**

*Option 0:* The job continues with NODSM substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG –1033 Parameter must be PRINT, CRT, or NOPRINT**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The listing parameter must be PRINT, CRT, or NOPRINT.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG–1033.

**User Response:**

*Option 0:* The job continues with PRINT substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG –1034 Parameter must be NOXREF or XREF**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The cross-reference parameter must be NOXREF or XREF.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG–1034.

**User Response:**

*Option 0:* The job continues with NOXREF substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG –1035 Parameter must be NONEP or NEP**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The never-ending-program parameter must be NONEP or NEP.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1035.

**User Response:**

*Option 0:* The job continues with NONEP substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1036 Parameter must be blank, NOSOURCE, PSOURCE, or SOURCE**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The parameter to override the source listing option (column 11 of the RPG II H specification) must be blank, NOSOURCE, PSOURCE, or SOURCE.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1036.

**User Response:**

*Option 0:* The job continues with blank substituted for the invalid parameter. The entry in column 11 of the RPG II H specification remains in effect.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1037 Parameter must be blank, DEBUG, or NODEBUG**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The parameter to override the DEBUG option (column 15 of the RPG II H specification) must be blank, DEBUG or NODEBUG.

To continue, enter 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1037.

**User Response:**

*Option 0:* The job continues with blank substituted for the invalid parameter. The entry in column 15 of the RPG II H specification remains in effect.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1038 Parameter must be blank or even num between 2-64**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The parameter to override the program size (columns 12 through 14 of the RPG II H specification) must be blank or an even number between 2 and 64.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1038.

**User Response:**

*Option 0:* The job continues with blank substituted for the invalid parameter. The entry in columns 12 through 14 of the RPG II H specification remains in effect.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1039 Parameter must be NOHALT or HALT**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The parameter to halt when an error occurs must be NOHALT or HALT.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1039.

**User Response:**

*Option 0:* The job continues with NOHALT substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1040 Parameter must be REPLACE or NOREPLAC**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The parameter to replace a duplicate member must be REPLACE or NOREPLAC.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1040.

**User Response:**

*Option 0:* The job continues with REPLACE substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1041 Parameter must be LINK or NOLINK**

Severity: 3 Auto Response: 0

#### **Explanation:**

You specified an incorrect parameter value. The parameter to create a module that can be run must be LINK or NOLINK.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1041.

#### **User Response:**

*Option 0:* The job continues with LINK substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1042 Parameter must be NOOBJECT or OBJECT**

Severity: 3 Auto Response: 0

#### **Explanation:**

You specified an incorrect parameter value. The parameter to create a module that must be link-edited must be NOOBJECT or OBJECT.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1042.

#### **User Response:**

*Option 0:* The job continues with NOOBJECT substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1043 Parameter must be GEN or NOGEN**

Severity: 3 Auto Response: 0

#### **Explanation:**

You specified an incorrect parameter value. The parameter to create display formats for a CONSOLE file must be GEN or NOGEN.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1043.

#### **User Response:**

*Option 0:* The job continues with GEN substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1045 Parameter must be NOMRO or MRO**

Severity: 3 Auto Response: 0

#### **Explanation:**

You specified an incorrect parameter value. The parameter to create a program with overlays in memory must be NOMRO or MRO.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1045.

#### **User Response:**

*Option 0:* The job continues with NOMRO substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1047 Statement length parameter must be between 80-96**

Severity: 3 Auto Response: 0

#### **Explanation:**

You specified an incorrect value for the statement-length parameter. The value for the statement-length parameter must be between 80 and 96.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1047.

#### **User Response:**

*Option 0:* The job continues with a statement length of 96.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1049 Parameter must be COMP or NOCOMP**

Severity: 3 Auto Response: 0

#### **Explanation:**

You specified an incorrect parameter value. The parameter to request the RPG compiler must be COMP or NOCOMP.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1049.

**User Response:**

*Option 0:* The job continues with COMP substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1051 Source member not found in specified library**

Severity: 3 Auto Response: 3

**Explanation:**

The source member was not found in the specified input library or did not follow system naming conventions.

Enter option 3 and specify a correct source member name. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1051.

**Additional Information:**

Do one of the following:

1. Correct the source member name to conform with the system naming conventions.
2. Check that the source member is in the input library. (The name of the source member or input library may be incorrect.)

**User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1052 Spooling must be active to run this procedure...**

Severity: 5 Auto Response:

**Explanation:**

The RPGONL procedure was specified when the spooling function was not configured on the system.

Enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1052. Use the CNFIGSSP procedure to configure print spooling.

**User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1053 Blocks parameter must be between 1-9999**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The number of blocks must be between 1 and 9999.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1053.

**User Response:**

*Option 0:* The job continues with 40 blocks as the work file size.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1054 MRTMAX parameter must be between 0-99**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect parameter value. The MRTMAX parameter must be a number between 0 and 99.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG-1054.

**User Response:**

*Option 0:* The job continues with 0 substituted for the invalid parameter. The program created is an SRT.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG -1056 Member type parameter must be R, A, or P**

Severity: 3 Auto Response: 0

**Explanation:**

You specified an incorrect member-type parameter. RPG requires R, A, or P.

To continue, enter option 0. If this error continues to occur, notify the programmer responsible for maintaining this job that the message identification code is RPG-1056.

**Additional Information:**

If this error continues to occur, fill out a *Problem Summary Form* and notify your programming service representative.

**User Response:**

*Option 0:* The job continues with R substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1058 Statement length parameter must be between 40-120**

Severity: 3 Auto Response: 0

#### **Explanation:**

You specified an incorrect value for the statement-length parameter. The value for the statement-length parameter must be between 40 and 120.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1058.

#### **User Response:**

*Option 0:* The job continues with a statement length of 120.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1059 Format member not found**

Severity: 3 Auto Response: 0

#### **Explanation:**

The format member name was not found in the specified input library or #LIBRARY, or it did not follow the system naming conventions.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1059.

#### **User Response:**

*Option 0:* The job continues with #SE@XTRA substituted for the invalid parameter.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1060 Input library not found**

Severity: 3 Auto Response: 0

#### **Explanation:**

The specified input library does not exist on the system, or it did not follow the system naming conventions.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1060.

#### **Additional Information:**

Do one of the following:

1. Correct the library name to follow the system naming conventions.
2. Check that the specified library exists on the system.

#### **User Response:**

*Option 0:* The job continues with the current library used as the input library.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1061 Output library not found**

Severity: 3 Auto Response: 0

#### **Explanation:**

The specified output library does not exist on the system, or it did not follow the system naming conventions.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1061.

#### **Additional Information:**

Do one of the following:

1. Correct the library name to follow the system naming conventions.
2. Check that the specified library exists on the system.

#### **User Response:**

*Option 0:* The job continues with the current library used as the output library.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1062 Subroutine input library not found**

Severity: 3 Auto Response: 0

#### **Explanation:**

The specified subroutine input library does not exist on the system, or it did not follow the system naming conventions.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1062.

#### **Additional Information:**

Do one of the following:

1. Correct the library name to follow the system naming conventions.
2. Check that the specified library exists on the system.

#### **User Response:**

*Option 0:* The job continues with the current library used as the substitute input library.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1063 SDA must be installed to run this procedure**

Severity: 5 Auto Response:

#### **Explanation:**

The RPGSDA procedure was specified; however, SDA was not installed on the system.

Enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1063.

#### **Additional Information:**

SDA must be installed on the system if you want to use the RPGSDA procedure.

#### **User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1064 SEU must be installed to run this procedure**

Severity: 5 Auto Response:

#### **Explanation:**

The RPGSEU procedure was specified, but SEU was not installed on the system.

Enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1064.

#### **Additional Information:**

SEU must be installed on the system if you want to use the RPGSEU procedure.

#### **User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1065 CRT option cannot be used with JOBQ or EVOKE...**

Severity: 3 Auto Response: 0

#### **Explanation:**

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1065.

#### **Additional Information:**

You cannot use CRT as the compiler listing output option when the job is put on the job queue or evoked.

#### **User Response:**

*Option 0:* The job continues. PRINT is substituted for CRT in the procedure.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1066 Data dictionary not found**

Severity: 3 Auto Response: 0

#### **Explanation:**

The specified data dictionary does not exist on the system, or it did not follow the system naming conventions.

To continue, enter option 0. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1066.

#### **Additional Information:**

Do one of the following:

1. Correct the data dictionary name to follow the system naming conventions.
2. Check that the specified data dictionary exists on the system.

#### **User Response:**

*Option 0:* The job continues with the data dictionary specified.

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1067 DSU or SEU must be installed to run this procedure**

Severity: 5 Auto Response:

#### **Explanation:**

The RPGONL procedure was specified; however, neither DSU nor SEU was installed on the system.

Enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1067.

#### **Additional Information:**

DSU or SEU must be installed on the system if you want to use the RPGONL procedure.

#### **User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

### **RPG —1070 RPG compiler module was not found...**

Severity: 5 Auto Response:

**Explanation:**

One of the following occurred:

1. The RPG compiler was not properly installed on the system. Therefore, not all modules were read from the RPG diskette.
2. An RPG compiler module was removed from the compiler's library, #RPLIB.
3. The diskette you received from PID was missing one or more modules.

**User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG —1100 SOURCE PROGRAM IS MISSING. COMPILE IS ENDED.**

Severity: Warning

**RPG —1102 Generated object program exceeds 64K...**

Severity: 3     Auto Response: 3

**Explanation:**

Enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1102.

**Additional Information:**

The generated object program exceeds 64K bytes. The program size must be reduced and the program recompiled.

The program size can be reduced by dividing it into two or more smaller programs or by using storage-saving techniques described in the *Programming with RPG II* manual.

**User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG —1103 Not enough disk space for compiler work files...**

Severity: 3     Auto Response: 3

**Explanation:**

There is not enough space on disk to extend the RPG compiler work files so that it can compile this program.

Enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—1103.

**Additional Information:**

One of the RPG compiler's work files was not large enough to compile the program, but when the RPG compiler attempted to extend the work file there was not enough contiguous space. Run COMPRESS to put all unused space together. If that does not work, some files will need to be deleted.

**User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG —1120 Compiler work files cannot be remote access files...**

Severity: 3     Auto Response: 3

**Explanation:**

Enter option 3 to cancel the job. Delete any work file entries in the Network Resource Directory (NRD) and recompile the program.

**Additional Information:**

\$SOURCE, \$WORK, or \$WORK2 were defined as remote files on the Network Resource Directory and allocated on the remote system. RPG work files cannot be remote files. These files should be removed from the Network Resource Directory.

**User Response:**

*Option 3:* The job is canceled. Any new data created by a previous job step is preserved.

**RPG —2100 Wrong use of JOBQ command or EVOKE stmt**

Severity: 5     Auto Response:

**Explanation:**

An RPG procedure was started by a JOBQ command or a // EVOKE statement. However, a source program name was not specified, or the procedure is interactive and cannot be started by a JOBQ command or a // EVOKE statement.

The job was not submitted. To try again to submit it, press the Enter key, then enter the JOBQ command or // EVOKE statement again with the source program name specified.

**RPG —3205 Terminal errors in auto report program**

Severity: 3     Auto Response: 3

**Explanation:**

At least one terminal error was detected during creation of the RPG II source specifications, and the program cannot be run.

Enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—3205.

**Additional Information:**

Errors found in the source program are printed on the program listing. You must correct these errors before this program can be run.

**User Response:**

*Option 3:* The job is canceled. Any data created by a previous job step is preserved.

**RPG —9011 Square root of a negative number attempted...**

Severity: 3    Auto Response: 2

**Explanation:**

The RPG II program tried to calculate the square root of a negative number.

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9011. Before selecting an option, see the recovery options below.

**Additional Information:**

Factor 2 of a SQRT operation contains a negative number. One of the following conditions exists:

- Data in factor 2 may be incorrect and should be corrected.
- Data in factor 2 field may be correct; however, you should test to see if the SQRT operation should be done on this field.

If there is more than one SQRT operation in the program, you may need a listing or display of the factor 2 fields in the SQRT operations to see which factor 2 fields are negative. Use the DEBUG operation for listing the fields to a printer or display.

**User Response:**

*Option 0:* The job continues. The result field for the square root operation is set to zero. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9013 Divide by zero attempted...**

Severity: 3    Auto Response: 2

**Explanation:**

The divisor in a divide operation is zero, and dividing by zero is not allowed.

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9013. Before selecting an option, see the recovery options below.

**Additional Information:**

Factor 2 of a DIV operation contains a zero. One of the following conditions exist:

- Data in factor 2 may be incorrect and should be corrected.
- Data in factor 2 field may be correct; however, you should test to see if the DIV operation should be done on this field.

If there is more than one DIV operation in the program, you may need a listing or display of the factor 2 fields in the DIV operations to see which factor 2 fields are negative. Use the DEBUG operation for listing the fields to a printer or display.

**User Response:**

*Option 0:* The job continues. The result and remainder for the divide operation are set to zero. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9014 Index error in array [array name]...**

Severity: 3    Auto Response: 2

**Explanation:**

The array index in the RPG II program contains an incorrect value.

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9014.

**Additional Information:**

The array index contains a zero, a negative value, or a value larger than the number of elements in the array. One of the following conditions may exist:

- The value of the array index may be incorrect and should be corrected.

- The value of the array index may be correct; however, you should test the value before using it as an index of the array.

The reference to the array is one of the following:

- Input specifications field name
- Calculation specifications factor 1, factor 2, or result field
- Output specifications field name

If the program uses more than one array index, you may need a listing or display of the indexes to see which index is incorrect. Use the DEBUG operation for listing the fields to a printer or display.

**User Response:**

*Option 0:* The job continues. The index is set to one. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9015 Sequenced table not in sequence...**

Severity: 3    Auto Response: 2

**Explanation:**

A table that is supposed to be arranged in ascending or descending sequence contains an element that is out of sequence.

**Additional Information:**

At least one element in a sequenced table is out of sequence. One of the following conditions may exist:

- The sequenced table data is not in ascending or descending order and should be put into correct order.
- The sequenced table contains incorrect data, and the data should be corrected.
- The table was specified as sequenced and should be changed to a nonsequenced table.
- The table has the incorrect sequence specified (for example, ascending sequence was specified when descending sequence should be used).

**User Response:**

*Option 0:* The job continues with the table element not in sequence. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9016 No data found for table load...**

Severity: 3    Auto Response: 2

**Explanation:**

This is a programming error.

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9016.

**Additional Information:**

When the RPG II object program was loaded, preexecution-time table data was expected as part of the program; however, no data was found in the file specified on the FILE OCL statement for this table or array, so the preexecution-time table was not loaded.

To correct this error, the file specified on the FILE OCL statement must contain the table or array data.

**User Response:**

*Option 0:* The job continues. The program is run without the missing table data if possible. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9017 Object table data exceeds table length...**

Severity: 3    Auto Response: 2

**Explanation:**

This is a programming error.

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9017.

**Additional Information:**

The preexecution-time table or array loaded with the RPG II object program contains more elements than were specified in the program.

This error might be caused by one of the following conditions:

- The wrong table or array was loaded with the RPG II object program. To correct this error, try running the job again, with the correct table or array.
- Too many elements have been added to the table or array. To correct this error, you can delete table or array elements that are no longer needed, or you can recompile the program and specify a larger object table or array.

**User Response:**

*Option 0:* The job continues. The extra table or array elements are ignored. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9022 Demand file is at end-of-file...**

Severity: 3    Auto Response: 2

**Explanation:**

This is a programming error.

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9022.

**Additional Information:**

The program reached the end of a demand file before end-of-job for the program, and no indicator was specified in columns 58 and 59 of the calculation specification for a READ operation. To correct this error, specify an indicator in columns 58 and 59 for the READ operation. This error could also be caused by a logic error in the program.

**User Response:**

*Option 0:* The job continues. The program does not try to process any more records from the demand file. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9023 No input file allocated for the program...**

Severity: 3    Auto Response: 3

**Explanation:**

If you are running a procedure, you incorrectly entered a procedure name or parameter, or there is an error in the procedure.

If you are entering OCL statements from the keyboard, the SWITCH statement might be incorrect.

To continue, enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9023.

**Additional Information:**

The external indicators conditioning input files are incorrect. No input file was allocated for this program. At least one controlling input file must be available. If the SWITCH statement is used to control input file allocation, the statement is incorrect.

If the error continues to occur, fill out a *Problem Summary Form* and notify your programming service representative.

**User Response:**

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9025 Duplicate key in index or alt index file [file name]...**

Severity: 3    Auto Response: 2

**Explanation:**

This is a programming error.

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9025.

**Additional Information:**

A new or changed record being written to disk contains a field that is a duplicate key field for an indexed or alternative index file. The label name displayed is that of the file containing the duplicate key. The record might have been entered incorrectly, or the file should have been created to allow duplicate keys.

For information on indexed files which allow duplicate keys, see the BLDFILE procedure and the FILE OCL statement in the *System Reference* manual. For information on alternative index files which allow duplicate keys, see the BLDINDEX procedure in the *System Reference* manual.

If the error continues to occur, fill out a *Problem Summary Form* and notify your programming service representative.

**User Response:**

*Option 0:* The job continues. The record is not updated or added to the file. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG—9030 [file name, display station ID of SSP-ICF session ID] contains an unidentified record...**

Severity: 3     Auto Response: 2

**Explanation:**

Enter option 1, option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9030.

**Additional Information:**

The file, display station or SSP-ICF session identified in the message passed an unidentified record to the program.

To correct this error, do one of the following:

- Change the unidentified record in the file or the data keyed at the display station to be an identifiable record.
- Change the RPG program so that it accepts the unidentified record.

**User Response:**

*Option 1:* The job continues. The record and the rest of the current RPG II cycle is ignored. Processing continues with the next cycle, and the next record is read.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG—9031 File [file name] contains a record not in sequence...**

Severity: 3     Auto Response: 2

**Explanation:**

This is a programming error.

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9031.

**Additional Information:**

The file identified in the message contains a record that is out of sequence or that is unidentified. Sequence checking is done because columns 15 and 16 of the RPG II input specification contain numeric entries.

To correct this error, do one of the following:

- Change the unidentified record in the file to an identifiable record.
- Change the RPG program so that it accepts the unidentified record.
- Change the record sequence in the file.
- Change the sequence specified in the RPG program.

**User Response:**

*Option 1:* The job continues. The record and the rest of the current RPG II cycle is ignored. Processing continues with the next cycle, and the next record is read.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG—9032 File [file name] contains a record not in sequence...**

Severity: 3     Auto Response: 2

**Explanation:**

This is a programming error.

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9032.

**Additional Information:**

The file, identified in the message, contains records with specified match fields. One of those records is not in sequence.

The file must be sorted by the matching record fields specified in the RPG program. This file can be sorted in ascending or descending order, depending on what is specified in column 18 of the file description specification.

**User Response:**

*Option 1:* The job continues. The record and the rest of the current RPG II cycle is bypassed. Processing continues with the next cycle, and the next record is read.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG –9033 [file name, display station ID or SSP-ICF session ID] contains an unidentified record...**

Severity: 3    Auto Response: 2

**Explanation:**

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG–9033.

**Additional Information:**

The file, display station, or SSP-ICF session identified in the message passed an unidentified record to the program.

To correct this error, do one of the following:

- Change the unidentified record in the file or the data keyed at the display station to be an identifiable record.
- Change the RPG program so that it accepts the unidentifiable record.

**User Response:**

*Option 0:* The job continues. The unidentified record is ignored, and processing continues. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG –9034 Invalid update operation for file [file name]...**

Severity: 3    Auto Response: 2

**Explanation:**

An incorrect record operation was attempted by the RPG II program.

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG–9034.

**Additional Information:**

The RPG II program is updating a record, but the operation is invalid because of one of the following:

- The key field of the updated record being written does not match the key field of the retrieved record.
- No record was retrieved.
- A record that has not been retrieved is being updated.
- A record has been retrieved and an intervening record has been added to the file.

**User Response:**

*Option 0:* The job continues. The record is not updated. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG –9035 No record found on get operation for file [file name]...**

Severity: 3    Auto Response: 2

**Explanation:**

The RPG II program is trying to read a record that does not exist.

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG–9035.

**Additional Information:**

A correct, nonexistent record was specified, or a record was specified incorrectly for one of the following file types:

- Indexed file:
  - There is no record containing the key value specified.
- Direct file or file processed by address output (addrout) file:
  - The relative record number is in the file, but it is a deleted record.

**User Response:**

*Option 1:* The job continues. The record and the rest of the current RPG II cycle is bypassed. Processing continues with the next cycle, and the next record is read. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9036 Duplicate key found during add to file [file name]...**

Severity: 3    Auto Response: 2

#### **Explanation:**

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9036.

#### **Additional Information:**

Duplicate keys were found during a load or add operation to an indexed ordered file that does not allow duplicate keys. The record might have been entered incorrectly, or packed keys might have been specified without packing the output key field in the RPG II program. Or the file should have been created with duplicate keys allowed.

#### **User Response:**

*Option 0:* The job continues. The record is not added to the file. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9037 Tried to add key not in sequence to file [file name]...**

Severity: 3    Auto Response: 2

#### **Explanation:**

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9037.

#### **Additional Information:**

A record key that is not in sequence was found during a load or add operation to an indexed ordered file. The record may have been entered incorrectly.

#### **User Response:**

*Option 0:* The job continues. The record is not added to the file. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9038 File [file name] is full...**

Severity: 3    Auto Response: 2

#### **Explanation:**

A disk file used by the RPG II program is too small.

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9038.

#### **Additional Information:**

The disk space allocated for the file is too small to contain the additions to the file. The space for the file must be reallocated. If the EXTEND parameter was specified on the FILE OCL statement, there may not be enough disk space available for a file extension.

#### **User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9039 BSCA file [file name] passed invalid ASCII character...**

Severity: 3    Auto Response: 2

#### **Explanation:**

The RPG II program is attempting to send or receive an incorrect ASCII character.

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9039.

#### **Additional Information:**

Check the program to determine that only correct ASCII characters are used. If the program uses file translation, check to determine if all characters will be translated properly.

#### **User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the

next job step. If more than one BSCA file is used by the RPG II program and a second BSCA error message is displayed, select option 3.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9040 BSCA file [file name] has an invalid user request...**

Severity: 3    Auto Response: 2

#### **Explanation:**

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9040.

#### **Additional Information:**

The RPG II program being run was defined to be in receive-then-transmit mode. The RPG II program incorrectly attempted to use the output file before it had received the end of file for the input file. See the manual *Programming with RPG II* for coding techniques.

#### **User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step. If more than one BSCA file is used by the RPG II program and a second BSCA error message is displayed, select option 3.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9041 Wait time exceeded for BSCA file [file name]...**

Severity: 3    Auto Response: 2

#### **Explanation:**

No data was transmitted or received within the time limit specified on the RPG II telecommunications specification.

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9041.

#### **Additional Information:**

The program does not allow enough time between blocks of data being transmitted or received. Change the RPG II telecommunications specifications to allow more time.

#### **User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the

next job step. If more than one BSCA file is used by the RPG II program and a second BSCA error message is displayed, select option 3.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9042 Permanent error occurred for BSCA file [file name]...**

Severity: 3    Auto Response: 2

#### **Explanation:**

The current program session is ended. A permanent error has occurred in the BSCA file. The communications line is no longer available to transmit or receive data.

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9042.

#### **Additional Information:**

A permanent error occurred in the BSCA file, but a permanent-error indicator was not specified on the RPG II telecommunications specifications. Two possible causes for this error are:

- The communications line is unavailable.
- The other system sent an incorrect message.

#### **User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step. If more than one BSCA file is used by the RPG II program and a second BSCA error message is displayed, select option 3.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9043 Tried record update before input for file [file name]...**

Severity: 3    Auto Response: 2

#### **Explanation:**

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9043.

#### **Additional Information:**

The RPG II program is trying to update a record before the record is read from the file.

Make sure that the program does not read another record before it updates the current record from a file. Two possible causes for this error are:

- No record was retrieved.
- A previous operation was not a read for the record being updated.

**User Response:**

*Option 0:* The job continues. The record is not updated. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9045 Input or output to display station [display station ID] failed...**

Severity: 3     Auto Response: 2

**Explanation:**

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9045.

**Additional Information:**

The input operation from the keyboard or the output operation to the display screen has failed. There is probably a problem with the display station or the system.

This error is only issued for programs containing console, KEYBOARD, or CRT files.

Try running the job again. If the error continues to occur, fill out a *Problem Summary Form* and notify your hardware service representative.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9047 System program error...**

Severity: 3     Auto Response: 2

**Explanation:**

Enter option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9047.

**Additional Information:**

An unidentifiable message request was issued because of a system program error or because of an error in a subroutine of the RPG II program. Notify the system operator, or take a dump of the RPG II program.

Fill out a *Problem Summary Form* and notify your programming service representative.

**User Response:**

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9049 Command key pressed is not defined**

Severity: 5     Auto Response:

**Explanation:**

The command function key you pressed is not defined for the SET operation.

To continue, press the Error Reset key. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9049.

**Additional Information:**

The command function key must be defined on the calculation specification for the SET or KEY operation. If the key you pressed is correct, change the command function key specified on the SET or KEY operation.

**RPG —9051 Device [display station or SSP-ICF session ID] not found for 'REL' operation...**

Severity: 3     Auto Response: 2

**Explanation:**

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9051.

**Additional Information:**

The factor 1 display station or SSP-ICF session ID on the REL operation code in the calculation specifications cannot be found for one of the following reasons:

- The display station or SSP-ICF session ID is incorrectly specified.
- The display station or SSP-ICF session has previously been released.

- The display station or SSP-ICF session was never acquired. The ACQ operation failed, or it was never performed.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9052 Device [display station or SSP-ICF session ID] not found for 'NEXT' operation...**

Severity: 3 Auto Response: 2

**Explanation:**

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9052.

**Additional Information:**

The factor 1 display station or SSP-ICF session ID on a NEXT operation code in the calculation specifications cannot be found for one of the following reasons:

- The display station or SSP-ICF session ID is incorrectly specified.
- The display station or SSP-ICF session has previously been released.
- The display station or SSP-ICF session was never acquired. The ACQ operation failed, or it was never performed.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9053 Device [display station or SSP-ICF session ID] not found for output operation...**

Severity: 3 Auto Response: 2

**Explanation:**

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9053.

**Additional Information:**

A display station or SSP-ICF session specified in the ID keyword field defined in the file description specifications cannot be found for one of the following reasons:

- The display station or SSP-ICF session ID is incorrectly specified.
- The display station or SSP-ICF session has previously been released.
- The display station or SSP-ICF session was never acquired. The ACQ operation failed, or it was never performed.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9054 Output going to nonacquired device [display station or SSP-ICF session ID]...**

Severity: 3 Auto Response: 2

**Explanation:**

The program is directing output to the display station or SSP-ICF session identified in the message, but that display station or SSP-ICF session was not acquired.

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9054.

**Additional Information:**

Output cannot be directed to this display station for one of the following reasons:

- The display station or SSP-ICF session ID is incorrectly specified.
- An attempt was made to acquire the display station or SSP-ICF session using OCL but, the acquire failed.

A WORKSTN OCL statement or an ACQ operation code in the calculation specifications can be used to retry the acquire operation.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9055 Input buffer is too small for device [display station or SSP-ICF session ID]...**

Severity: 3     Auto Response: 2

**Explanation:**

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9055.

**Additional Information:**

The total length of the input-capable fields in the display format exceeds the record length specified for the file. If a format overlays another format without clearing the screen, this error can also occur. Reduce the total input-capable fields in the screen format, or increase the record length specified in columns 24 through 27 of the file description specification.

If you are using SSP-ICF, this error may be caused by the target program sending a record longer than the record length specified for the file. Reduce the amount of data sent from the target program, or increase the record length specified in columns 24 to 27 of the file description specifications.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9056 System program error for device [display station or SSP-ICF session ID]**

Severity: 5     Auto Response:

**Explanation:**

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9056.

**Additional Information:**

There is an error in the system program.

There is no requester entry available in the device ID table for a new requester returned by the display station or for an SSP-ICF session operation that receives transmitted data. This error occurs if a read or receive operation obtained input from a display station or SSP-ICF session device whose device ID entry does not exist in the device ID table.

Fill out a *Problem Summary Form* and notify your programming service representative.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9057 Device [display station or SSP-ICF session ID] had permanent input or output error...**

Severity: 3     Auto Response: 2

**Explanation:**

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9057.

**Additional Information:**

A permanent input or output error occurred at the display station or SSP-ICF session providing input to a file.

Try running the job again. If the error continues to occur, fill out a *Problem Summary Form* and notify your hardware service representative.

**User Response:**

*Option 1:* The display station or SSP-ICF session with the permanent input or output error is released from the program. The program will continue processing with other display stations and SSP-ICF sessions. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Any data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9058 Attempt to acquire device [display station or SSP-ICF session ID] failed...**

Severity: 3 Auto Response: 0

**Explanation:**

A display station or SSP-ICF session needed by the program is not available at this time.

Enter option 0 or option 1. Notify the programmer responsible for maintaining this job that the message identification code is RPG-9058.

**Additional Information:**

The attempt to acquire the display station specified in factor 1 failed because of one of the following reasons:

- The display station or SSP-ICF session was owned by another program.
- The display station or SSP-ICF session is already using the program.
- The display station is not in standby mode.
- One of the above is true, and the display station or SSP-ICF session did not become available during the retry period.

**User Response:**

*Option 0:* Continue the job. The display station or SSP-ICF session is removed from the RPG II internal list, and the program continues with the next statement following the ACQ operation. This may cause unexpected results in the program.

*Option 1:* The ACQ operation is tried again. If the display station is still not available, this message will appear again.

**RPG -9059 Unidentified record type**

Severity: 5 Auto Response:

**Explanation:**

Notify the programmer responsible for maintaining for this job that the message identification code is RPG-9059.

**Additional Information:**

The record identification characters in the record input to the WORKSTN file do not match the record identification codes (column 21 through 41 of the input specifications) for any of the record types defined for the WORKSTN file.

Message RPG-9030 or RPG-9033 will appear at the system console or the display station from which the job was initiated. After a response is made to that message, press the Error Reset key at your display station, and continue the operation or key the record again.

**RPG -9061 Required blank record type not coded for device [display station or SSP-ICF session ID]...**

Severity: 3 Auto Response: 2

**Explanation:**

This is a programming error.

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG-9061.

**Additional Information:**

Code a blank record type on the input specifications to accept the blank record returned on the first read for a WORKSTN file.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG -9063 Device [display station or SSP-ICF session ID] not found for 'POST' operation...**

Severity: 3 Auto Response: 2

**Explanation:**

Enter option 0, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG-9063.

**Additional Information:**

The display station or SSP-ICF session specified in factor 1 of the POST operation is not recognized by the system, or the display station or SSP-ICF session has not been acquired by the RPG II program nor is it a requester of the RPG II program.

**User Response:**

*Option 0:* The job continues. The POST operation is ignored, and the program continues with the next statement following the POST operation. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG -9064 Permanent error has occurred for session [session ID]...**

Severity: 3 Auto Response: 2

**Explanation:**

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG-9064.

**Additional Information:**

This session may be acquired again by using the ACQ operation.

Further information about this error can be obtained if a WORKSTN file information data structure (INFDS) is specified in the RPG II file description specification. See the manual *Programming with RPG II* for more information on using INFDS, and the manual *Interactive Communications Feature: Programming for Subsystems and Intra Subsystem Reference* for a description of the major and minor error codes.

**User Response:**

*Option 1:* The SSP-ICF session is removed from the WSID table, and the session is released. Control is returned to RPG II, and other sessions can continue. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG -9066 Minor error has occurred for session [session ID]...**

Severity: 3 Auto Response: 2

**Explanation:**

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG-9066.

**Additional Information:**

This session may be acquired again by using the ACQ operation.

Further information about this error can be obtained if a WORKSTN file information data structure (INFDS) is specified in the RPG II file description specifications. See the manual *Programming with RPG II* for more information on using INFDS and the manual *Interactive Communications Feature: Programming for Subsystems and Intra Subsystem Reference* for a description of the major and minor error codes.

**User Response:**

*Option 1:* The SSP-ICF session is removed from the wsid table, and the session is released. Control is returned to

RPG II, and other sessions can continue. This may cause unexpected results in the program.

However, this session can be acquired again by using the ACQ operation.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG -9067 Invalid operation attempted to file [file name]...**

Severity: 3 Auto Response: 2

**Explanation:**

Enter option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG-9067.

**Additional Information:**

The operation failed for one of the following reasons:

- An attempt was made to delete a record from a file that was not specified as delete-capable on the FILE OCL statement.
- An attempt was made to randomly add a record to a file that was not specified as delete-capable on the FILE OCL statement.
- An attempt was made to add a record to the end of a delete-capable file.

**User Response:**

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG -9068 Relative record number beyond extent for [file name]...**

Severity: 3 Auto Response: 2

**Explanation:**

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG-9068.

**Additional Information:**

An attempt was made to randomly read or write a record using a relative record number, but the number specified was greater than the maximum allowed for the size of the file, was zero, or was negative.

**User Response:**

*Option 1:* The job continues. The remainder of this RPG program cycle is bypassed. Processing continues with the next cycle, and the next record is read. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9069 Invalid update/add/output attempted for [file name]...**

Severity: 3    Auto Response: 2

**Explanation:**

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9069.

**Additional Information:**

An attempt was made to update, add, or write a record to a file that has been specified as delete-capable. The record contains hex FF in the first position.

**User Response:**

*Option 1:* The job continues. The remainder of this RPG II cycle is bypassed. Processing continues with the next cycle, and the next record is read. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9070 Output to a nondeleted record in [file name]...**

Severity: 3    Auto Response: 2

**Explanation:**

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9070.

**Additional Information:**

While writing to a delete-capable direct file, the program attempted to write a record that already exists in the file.

**User Response:**

*Option 1:* The job continues. The remainder of this RPG II cycle is bypassed. Processing continues with the next cycle, and the next record is read. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

**RPG —9071 I/O exception occurred to device [SSP-ICF session or display station ID]...**

Severity: 3    Auto Response: 2

**Explanation:**

Enter option 1, option 2 or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9071.

**Additional Information:**

This device may be acquired again by using the ACQ operation.

Further information about this error can be obtained if a WORKSTN file information data structure (INFDS) is specified in the RPG II file description specifications. See the manual *Programming with RPG II* for more information on using INFDS and the manual *Interactive Communications Feature: Programming for Subsystems and Intra Subsystem Reference* for a description of the major and minor error codes.

**User Response:**

*Option 1:* The device with the I/O exception is released from the program. The program continues processing with other devices. This may cause unexpected results in the program.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9072 Output directed to released display station [display station ID]...**

Severity: 3    Auto Response: 2

#### **Explanation:**

Enter option 1, option 2, or option 3. Notify the programmer responsible for maintaining this job that the message identification code is RPG—9072.

#### **Additional Information:**

The program is directing output to the display station identified in the message but that display station has been released via inquiry option 2.

The display station can be acquired by using the ACQ operation, or it can request the program again if it is an MRT program. One way to request the program is by entering the procedure name.

#### **User Response:**

*Option 1:* The display station is removed from the wsid table. Control is returned to RPG II, and other display stations can continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step. This may cause unexpected results in the program.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9100 All halt indicators have been displayed**

Severity: 3    Auto Response: 2

#### **Explanation:**

All halt indicators used in this cycle by the RPG II program have been displayed.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining the job that the message identification code is RPG—9100.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by

this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9101 RPG II indicator H1 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9101 indicates that the corresponding RPG II halt indicator H1 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9101.

#### **Additional Information:**

The message text for this message can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9102 RPG II indicator H2 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9102 indicates that the corresponding RPG II halt indicator H2 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9102.

#### **Additional Information:**

The message text for this message can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to

existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9103 RPG II indicator H3 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9103 indicates that the corresponding RPG II halt indicator H3 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9103.

#### **Additional Information:**

The message text for this message can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9104 RPG II indicator H4 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9104 indicates that the corresponding RPG II halt indicator H4 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9104.

#### **Additional Information:**

The message text for this message can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9105 RPG II indicator H5 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9105 indicates that the corresponding RPG II halt indicator H5 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9105.

#### **Additional Information:**

The message text for this message can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG —9106 RPG II indicator H6 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9106 indicates that the corresponding RPG II halt indicator H6 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9106.

#### **Additional Information:**

The message text for this messages can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG—9107 RPG II indicator H7 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9107 indicates that the corresponding RPG II halt indicator H7 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9107.

#### **Additional Information:**

The message text for this message can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG—9108 RPG II indicator H8 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9108 indicates that the corresponding RPG II halt indicator H8 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9108.

#### **Additional Information:**

The message text for this message can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.

### **RPG—9109 RPG II indicator H9 is on...**

Severity: 3    Auto Response: 2

#### **Explanation:**

RPG—9109 indicates that the corresponding RPG II halt indicator H9 has been turned on by the RPG II program.

Enter option 0, option 2, or option 3. If the programmer has not indicated that this message would be issued, then notify the programmer responsible for maintaining this job that the message identification code is RPG—9109.

#### **Additional Information:**

The message text for this message can be changed by the program.

#### **User Response:**

*Option 0:* Perform the actions indicated in the program operating instructions, and select this option to continue.

*Option 2:* The job step is ended. Any new data created up to this point is preserved, and the job can continue with the next job step.

*Option 3:* The job is canceled. Data created by previous steps in this job and any records added or updates made to existing files by this job step are saved. Records deleted by this job step no longer exist. However, any files created by this job step are lost.



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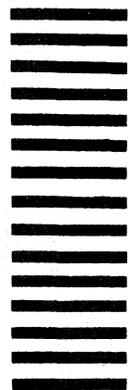


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