IBM System/3
Communications Control Program
Messages Manual

Program Numbers:

5702-SC1 (Models 8 and 10)
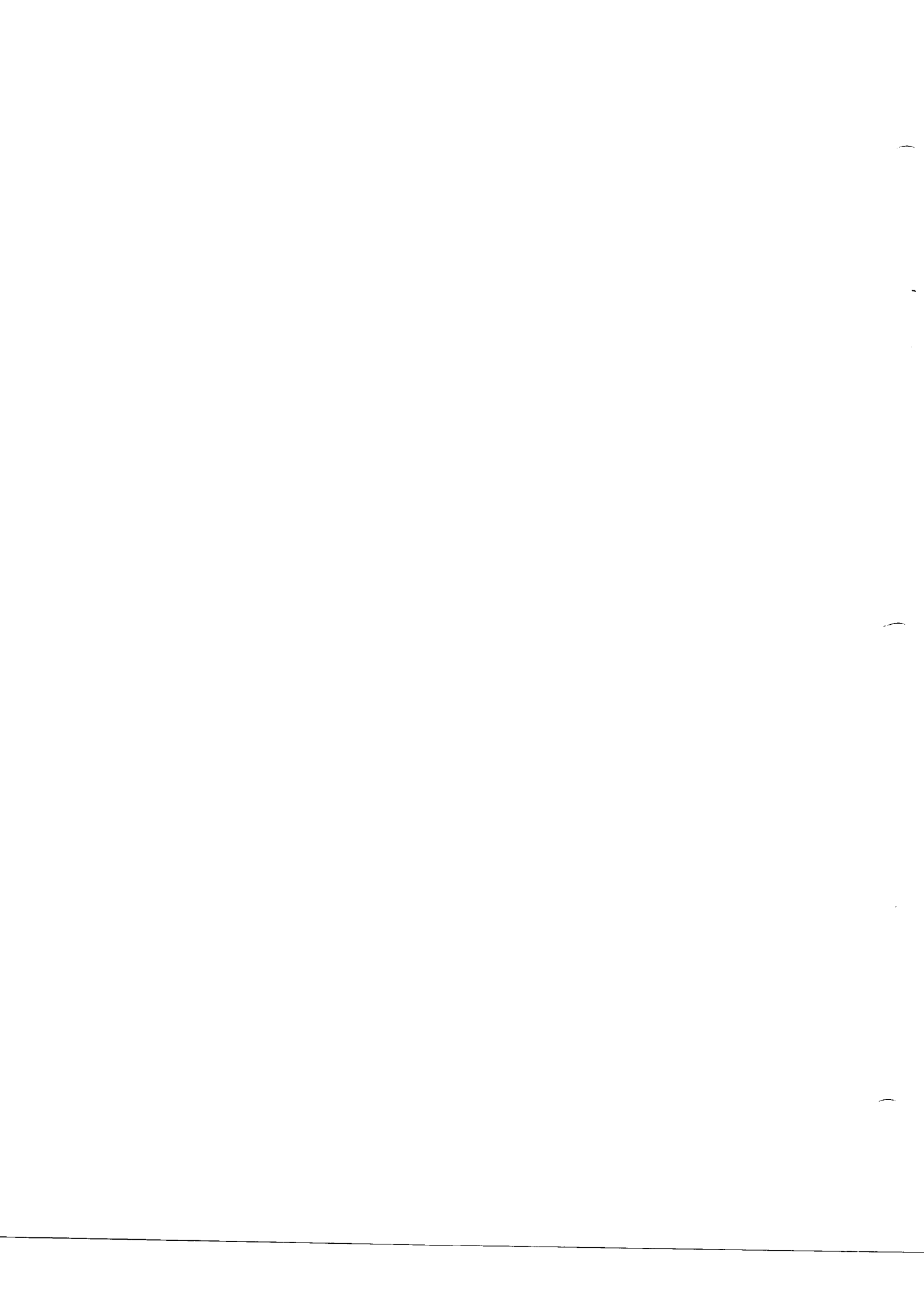5703-SC1 (Model 4)
5704-SC1 (Model 15)
5704-SC2 (Model 15)
5705-SC1 (Model 12)

Feature 6011/6012/6033/6070/6071

IBM System/3
Communications Control Program
Messages Manual

The purpose of this book is to help you identify IBM System/3 CCP (communications control program) messages, and tell you how to respond to them. This book contains all the operational messages, termination codes, terminal codes, and halts associated with System/3 CCP operations.

CCP messages for all System/3 models are merged in this book. When a specific model is specified within the message information, that portion of the message information applies to only that model. When no distinction is made, the information applies to all models.

You should be familiar with the operating procedures for System/3 CCP and the appropriate operator's guide.

Related Publications

- *IBM System/3 Model 4 Operator's Guide,* GC21-5149

- *IBM System/3 Models 8, 10, and 12 Communications Control Program System Operator's Guide,* GC21-7581

- *IBM System/3 Model 15 Communications Control Program System Operator's Guide,* GC21-7619

- *IBM System/3 Communications Control Program Terminal Operator's Guide,* GC21-7580

- *IBM System/3 Model 4 Communications Control Program Programmer's Reference Manual,* GC21-5150

- *IBM System/3 Model 4 Communications Control Program Concepts and System Design Guide,* GC21-5148

- *IBM System/3 Models 8, 10, and 12 Communications Control Program System Reference,* GC21-7588

- *IBM System/3 Model 15 Communications Control Program System Reference Manual,* GC21-7620

- *IBM System/3 Communications Control Program Programmer's Reference Manual,* GC21-7579

- *IBM System/3 Communications Control Program System Design Guide,* GC21-5165

- *IBM System/3 Model 6 Halt Guide,* GC21-7541

- *IBM System/3 Model 10 Disk System Halt Guide,* GC21-7540

- *IBM System/3 Model 12 Halt Guide,* GC21-5145

- *IBM System/3 Model 15 System Messages,* GC21-5076

Contents

General

Startup

Operational Stage

Termination Codes

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The messages in this chapter are listed alphabetically. They are:

AUxxx — User sign-on security messages
CAxxx — Assignment stage messages
CCxxx — Generation stage messages
CGxxx — Display format generator diagnostic messages
CLx/OPx — File close/open facility messages
CLxxx — Assignment list messages
CPxxx — Printer format generator diagnostic messages
DDxxx — Main storage dump to printer program
     messages
DPxxx — Trace table or main storage dump to printer
     program messages
DTxxx — Display format test routine diagnostic
     messages
KSx — Key sort messages
RBxxx — Disk file recovery program messages

User Sign-On Security Messages

AU010 PERMANENT DISK ERROR

Reason: A disk error occurred while the system was reading from the disk containing $CCPFILE.

Recovery: 2—Controlled cancel. If the problem persists, call your IBM customer engineer for assistance.

AU011 $CCPAU TERMINATED

Reason: A 2 option was taken in response to some previous halt.

Recovery: None.

AU012 $CCPAU PROGRAM FINISHED

Reason: $CCPAU has gone to normal end of job.

Recovery: None.

AU013 EXTENT ERROR ON $CCPFILE

Reason: An attempt was made to access data outside the boundaries of $CCPFILE. This could mean that the directory of $CCPFILE is no longer valid.

Recovery: 2—Controlled cancel

AU014 INVALID DATA RECORD FROM SYSIN

Reason: The data record just read by SYSIN is not one of the valid record types expected by $CCPAU.

Recovery: 1 — Retry
2 — Controlled cancel

AU015 ERROR WHILE READING FROM SYSIN

Reason: An error occurred while the system was reading input from SYSIN.

Recovery: 1 — Retry
2 — Controlled cancel

AU016 WARNING—SECURITY DATA EXCEEDS ALLOWABLE LENGTH

Reason: The total number of security data bytes provided as input from SYSIN exceeds the number of bytes specified by CCP Generation.

Recovery: 0 — The exact number specified will be used and the rest ignored.
2 — Controlled cancel

AU017 WARNING—DATA BETWEEN COUNT & DATA PORTION OF INPUT RECORD

Reason: The 1 byte between the count and data portion of the input record should be blank.

Recovery: 1 — Retry
2 — Controlled cancel

AU018 WARNING—INPUT DATA RECORD LESS THAN SPECIFIED BY COUNT FIELD

Reason: The number of data bytes from SYSIN is less than specified by the input count field.

Recovery: 1 — Retry
2 — Controlled cancel

AU019 WARNING—INPUT DATA RECORD EXCEEDS LENGTH IN COUNT FIELD

Reason: The number of bytes from a SYSIN record exceeds the number specified by the input count field.

Recovery: 1 — Retry
2 — Controlled cancel

AU020 WARNING—NON NUMERIC DATA FOUND IN DATA RECORD

Reason: During the processing of a Z-type input record from SYSIN, at least 1 byte of nonnumeric data was found. This record type must contain numeric data only.

Recovery: 1 — Retry
2 — Controlled cancel

AU021 WARNING—COUNT FIELD VALUE IS ODD NUMBER, MUST BE EVEN

Reason: During the processing of an X-type input record from SYSIN, the count value entered in positions 2 and 3 of the input record was found to be odd. This type of input record must have an even count.

Recovery: 1 – Retry
2 – Controlled cancel

AU022 WARNING—TOTAL SECURITY DATA LESS THAN CCP GENERATION SPECIFICATION

Reason: The total number of security data bytes processed is less than the number of bytes specified by CCP Generation.

Recovery: 0 – Proceed and use as many as entered
1 – Read more records from SYSIN
2 – Controlled cancel

AU023 SECURITY DATA MODULE CONTENTS

Reason: Following this message, the contents of the security data to be written to data module $CC4Z9 will be printed on SYSLOG.

Recovery: None.

AU024 $CCPAU PROGRAM CANCELLED

Reason: The $CCPAU cannot run at this time because either Assignment or CCP is currently running in the opposite program level of a DPF system (Models 8, 10, and 12) or program partition (Model 15).

Recovery: None.

AU025 WARNING—SECURITY DATA MODULE SIZE UNEQUAL TO CCP GENERATION SPECIFICATION

Reason: The size of the user security module $CC4Z9 is not the same as the length of user security information specified at CCP Generation. Either of the following could have occurred:

● More than one copy of CCP was generated, and the $CCPFILE to be mounted with one copy of the generated system is being used with the other copy.

● The user security data module $CC4Z9 was modified by the user through a means other than $CCPAU.

Recovery: Perform one of the following:

● Respond to the halt with a 2 option (controlled cancel).

● If the copy of $CCPFILE mounted is not appropriate for the copy of the generated system, mount the appropriate file or system.

● If the user security data module $CC4Z9 was modified by the user, recreate the module in its initial form (using that portion of the input to Generation pass 2); then rerun $CCPAU.

AU026 WARNING—DATA FIELD IS TOO LONG FOR THIS RECORD TYPE

Reason: The data field length for an I, J, K, or L-type input record was exceeded. The limits on input length are as follows:

I	3 positions and sign
J	5 positions and sign
K	8 positions and sign
L	10 positions and sign

Recovery: 1 – Retry
2 – Controlled cancel

AU027 WARNING—DATA VALUE TOO LARGE FOR
THIS RECORD TYPE

Reason: The input value limits were exceeded for an
I, J, K, or L-type record. The limits are shown in
decimal value and are:

I	256
J	65,585
K	16,777,215
L	4,294,967,295

Recovery: 1 — Retry

2 — Controlled cancel

Assignment Stage Messages

These messages are issued at assignment time to inform the user of invalid specifications of operands in the assignment control statement. Wherever possible the position with which the error is associated is marked by an asterisk in the following print line.

The actual format of the message is as follows:

Positions 1-5: Message number

Position 7: T, W, or I.
T - *Terminal* — An error was found in a statement of this assignment set; this set of statements is not processed by assignment; however, the remaining statements in this set are also analyzed for errors.

W - *Warning* — An error was detected, the default value is assumed, and assignment continues.

I - *Information* — Information only.

Positions 10-89: Message

Examples

CA004   T VALUE FOR KEYWORD IS NOT YES/NO

CA163   W MAXBLKL TOO SMALL, VALUE GIVEN IGNORED

The following is a list of the message numbers and messages associated with the Assignment Build control statements:

CA002   T DELIMITING APOSTROPHE MISSING

> *Reason:* Only one apostrophe was found in a keyword value.
>
> *System Action:* The set is not processed.

CA003   T INVALID KEYWORD FOR THIS STATEMENT OR PAST COL 71

> *Reason:* The keyword is not correct for this statement type. The keyword extends into column 72; the keyword is expected but not given or not followed by a hyphen.
>
> *System Action:* The set is not processed.

CA004   T VALUE FOR KEYWORD IS NOT YES/NO

> *Reason:* The value for the keyword must be YES or NO.
>
> *System Action:* The set is not processed.

CA005   T KEYWORD GIVEN PREVIOUSLY IN THIS STATEMENT

> *Reason:* There are duplicate keywords within a statement; not allowed.
>
> *System Action:* The set is not processed.

CA006   T DATA IS IN COLUMN 72

> *Reason:* A format or punctuation error occurred. The keyword or value must not be in column 72.
>
> *System Action:* The set is not processed.

CA007   T VALUE IS NOT NUMERIC OR INVALID SIZE NUMBER GIVEN

> *Reason:* The value must be numeric and within the specified range.
>
> *System Action:* The set is not processed.

CA008   T VALUE IS NOT CORRECT RESPONSE FOR THIS KEYWORD

> *Reason:* The value given is not valid for this keyword.
>
> *System Action:* The set is not processed.

CA009   T SUBLIST NOT VALID FOR THIS KEYWORD

> *Reason:* An apostrophe preceded a value but there was no apostrophe after the value.
>
> *System Action:* The set is not processed.

CA011   T INCORRECT USE OF SUBLIST VALUES

> *Reason:* Two apostrophes preceded a value, or there wer embedded blanks.
>
> *System Action:* The set is not processed.

**CA012   T TOO MANY OR TOO FEW CHARACTERS
              IN VALUE**

Reason: The value length was not specified correctly.

System Action: The set is not processed.

CA013   T INCORRECT USE OF SPLIT-VALUE

Reason: A blank follows a slash, or there are too many
slashes for this keyword.

System Action: The set is not processed.

**CA014   T KEYWORD EXPECTED OR INCORRECT
              USE OF PUNCTUATION**

Reason: There is no hyphen to indicate a keyword
(syntax error), or an attempt was made to use a sub-
list and an apostrophe did not precede the first value.

System Action: The set is not processed.

CA015   T VALUE GIVEN IS TOO LONG

Reason: The value cannot exceed the specified maximum
value.

System Action: The set is not processed.

**CA020   I FOLLOWING STATEMENTS ARE SYNTAX
              SCANNED ONLY**

Reason: A termination error was detected. The logic
diagnostics are suspended for this assignment action.

System Action: The remaining statements for this assign-
ment set will be syntax checked and the set will not
be processed.

CA025   T REQUIRED KEYWORD NOT GIVEN

Reason: A required keyword was not given.

System Action: The set is not processed.

CA026   W START-UP DEFAULT SET DELETED

Reason: Deletion of the startup default set was
specified.

System Action: The set is deleted; the default set ID
is set to null.

**CA027   T FOUND HYPHEN INSTEAD OF COMMA
              OR APOSTROPHE**

Reason: The delimiting apostrophe for a previous sublist
was not given, or the value was not given for the
previous keyword.

System Action: The set is not processed.

CA028   T TOO MANY STATEMENTS GIVEN

Reason: The maximum number of statements allowed
was exceeded:

BSCATERM MLTATERM (Models 8, 10, 12, and 15)	180 maximum
TERMNAME	254 maximum
DISKFILE SYMFILE	100 maximum
PROGRAM	255 maximum
BSCATERM MLTATERM (Models 8, 10, 12, and 15)	Too many terminals for line type

Note: For Model 15, Program Number 5704-SC2,
the maximum number of DISKFILE statements is
192, the maximum number of SYMFILE statements
is 50, and the maximum number of PROGRAM
statements is 999.

System Action: The set is not processed.

CA029   T TOO MANY ENTRIES GIVEN

Reason: The sublist exceeded the maximum number
of entries allowed.

System Action: The set is not processed.

CA033   T INVALID TERMINAL ID

Reason: At least one of the ID characters was not a non-
blank extended alphameric character, or the ID was
a restricted ID ($C).

System Action: The set is not processed.

CA040 T DISK ERROR OCCURRED ON EITHER $CCPWORK OR $CCPFILE

Reason: A disk hardware error on a read or write operation occurred.

System Action: The set is not processed.

CA041 T STATEMENT NOT IN PROPER SEQUENCE

Reason: The statements must be in proper sequence.

System Action: The set is not processed.

CA042 W FILE ACCESS METHOD CONFLICTS WITH PROGRAM LANGUAGE

Reason: A COBOL program is specified with file access ISA, ISUA, IA, IRA, IRU, IOU, or IRANA; or a FORTRAN program is specified with file access CU or an indexed method. (For information on how to determine the disk file access value, see *IBM System/3 Communications Control Program Programmer's Reference Manual,* GC21-7579.)

System Action: The set is processed. CCP execution can cancel the program when opening files.

CA043 W SET ID NOT FOUND IN DIRECTORY

Reason: A SET statement with ACTION-DELETE was specified, but the set ID is not in the directory.

System Action: The statement is ignored.

CA044 T CREATE SET ID EXISTS ALREADY

Reason: A SET statement with ACTION-CREATE was specified, and the ID given is the same as an ID that already exists in the directory.

System Action: The set is not processed.

CA045 T CCP OR AUX PROG EXECUTING IN OTHER LEVEL

Reason: To run the assignment program, the other level must not be running a program supplied with CCP.

System Action: The set is not processed.

CA046 W REPLACE SET ID NOT FOUND, ASSUME ACTION-CREATE

Reason: A SET statement with ACTION-REPLACE was specified, but the ID given does not exist in the directory.

System Action: The set is processed assuming ACTION-CREATE.

CA051 T STATEMENT DOES NOT START WITH '//'

Reason: The statement read was not a comment, /*, or a valid control statement.

System Action: The set is not processed.

CA052 T INVALID STATEMENT IDENTIFIER

Reason: The statement identifier following the // is unidentified.

System Action: The set is not processed.

CA053 T $CCPFILE UNUSABLE

Reason: The $CCPFILE was altered, and is not usable. The first two characters of the configuration record do not match those inserted by generation.

System Action: The set is not processed.

CA054 T SYSIN READ ERROR

Reason: A read error occurred on the system reader.

System Action: The set is not processed.

CA055 T SYMBOLIC NAME IS REQUIRED FOR ALL DEFINED TERMINALS

Reason: The MLTATERM (Models 8, 10, 12, and 15) or BSCATERM statements defined a terminal, and there was not a TERMNAME statement specified to define a symbolic name for that terminal.

System Action: The set is not processed.

CA060 T NO MORE ROOM IN $CCPFILE OR
$CCPWORK

Reason: The end of the extents was reached in
$CCPWORK or $CCPFILE.

System Action: The set is not processed. The operator
can rerun with a larger work file.

CA061 T INVALID ADDR/POLL CHARACTERS

Reason: The ADDRCHAR or POLLCHAR parameter
values are not valid.

System Action: The set is not processed.

CA070 T ATTRIBUTES SET WAS NOT SPECIFIED
FOR THIS TERMINAL

Reason: The attributes set to be used with a terminal
was not associated with any terminal on that line.

System Action: The set is not processed.

CA071 T DUPLICATE REQUIRED TERMINALS
INVALID

Reason: The same terminal name was referenced twice,
or two terminal names referenced the same terminal
ID.

System Action: The set is not processed.

CA072 T TERMINAL NAME INVALID

Reason: A restricted terminal name was given (for
example, CONSOL, ALL, or all blanks).

System Action: The set is not processed.

CA073 T ADDR INVALID WITH LINE TYPE SW
OR PP

Reason: A terminal on SW or PP type lines cannot have
an address.

System Action: The set is not processed.

Models 8, 10, 12, and 15:

CA074 T ADDR REQUIRED WITH LINE TYPE CW
OR CS

Reason: A terminal on CS or CW type lines must have
an address.

System Action: The set is not processed.

CA075 T TERMINAL TYPE 2740 INVALID WITH
RECEIVE INTERRUPT

Reason: 2740 terminals cannot support receive interrupt.

System Action: The set is not processed.

CA076 T DELAY/AUTOPOLL IS INVALID WITH
LINE TYPE SW OR PP

Reason: Line types SW and PP cannot support delay or
autopoll.

System Action: The set is not processed.

CA077 T ADDR/POLLCHAR INVALID WITH LINE
TYPE SW OR PP

Reason: Line types SW and PP do not support
ADDRCHAR or POLLCHAR.

System Action: The set is not processed.

CA078 W PGMREQL LESS THAN MINIMUM
REQUIRED, ASSUME DEFAULT

Reason: The PGMREQL parameter requires a minimum
value of 2.

System Action: The set is processed using the value of
6 for the PGMREQL parameter.

CA079 T PHONE NUMBER CONTAINS AN INVALID
NUMERIC DIGIT

Reason: The phone number must be all numeric digits
with no embedded blanks.

System Action: The set is not processed.

CA080 T AUTOCALL INVALID FOR MLTA LINE

Reason: An MLTATERM statement references a
terminal attributes set that specifies autocall. The
MLTA hardware does not support autocall.

System Action: The set is not processed.

CA082 W PRUF$Z REQUIRES PRUFLNG AND DFF
PROG, PRUF$Z IGNORED

Reason: Specifying a PRUF format name implies a DFF
program (DFFNDF, DFFSFDT, DFFMTERM), and
the input text length (PRUFLNG) is always required
when PRUF is used.

System Action: The system processes the set, assuming
PRUF will not be used for this program.

CA083 W FORMAT NAME MUST BEGIN WITH '$Z',
PRUF$Z IGNORED

Reason: All valid format names begin with '$Z'.

System Action: The system processes the set, assuming
PRUF will not be used for this program.

CA084 W PROG WITH PRUFLNG REQUIRES
PRUF$Z, PRUFLNG IGNORED

Reason: All DFF programs specifying PRUF require
the format name.

System Action: The system processes the set, assuming
PRUF will not be used for this program.

CA085 W PRUF NOT SUPPORTED AT GENERATION,
PRUF IGNORED

Reason: PRUF must be supported at generation time
(via the $EFAC statement).

System Action: The system processes the set, assuming
PRUF will not be used for this program.

CA086 W PRUF REQUIRES PGMDATA-YES,
ASSUME-YES

Reason: Data with program request is required when
using PRUF.

System Action: The system processes the set, assuming
PGMDATA-YES and assuming that PRUF is used for
this program.

CA087 T INDEXED FILES NOT ALLOWED ON
5444 SIMULATION AREA

Reason: Indexed files are not allowed on the 5444
simulation area.

System Action: The set is not processed.

CA098 W MINTPBUF TOO SMALL, CALCULATED
VALUE USED

Models 4, 8, 10, and 12:
Reason: The minimum teleprocessing buffer size is equal
to the larger of the following:

1. The value of PGMREQL + 4 plus a variable based
   on main storage area required for the largest
   assignment PROGRAM statement.

2. Value of COMMANDL + 4.

Note: If the calculated value is used, this value may
be displayed using $CCPAL and will appear as the
value for MINTPBUF.

System Action: The set is processed using the larger of
1 or 2 as a value for MINTPBUF.

Model 15:
Reason: The minimum TP buffer size to support one
terminal is too small. The calculated value for one
terminal was substituted.

$CCPAL can be used to display the calculated value.
It appears as the value for MINTPBUF. The calculated
value used may not be satisfactory for execution of
more than one terminal.

System Action: The set is processed using the calculated
value for MINTPBUF.

CA099 I PREVIOUS SET NOT PROCESSED

Reason: At least one termination error was found while
processing this set.

System Action: The set is not processed.

CA101 T SET ID NOT VALID

Reason: ID is not an extended alphameric character
(0-9, A-Z, #, $, or @).

System Action: The set is not processed.

Models 4, 8, 10, and 12:

CA102   T MINUPA VALUE INVALID

Reason: The character K was not specified as the last character of the value, the value is not in 256-byte increments, or the value is less than 5K.

System Action: The set is not processed.

Model 15:

CA102   W MINUPA VALUE INVALID, DEFAULT OF 6K USED

Reason: The character K was not the last character of the vlaue, the value is not in 2K increments, or the value is less than 6K or greater than 128K.

System Action: The set is processed using the default value.

Models 4, 8, 10, and 12:

CA103   T MAXEUP GREATER THAN GIVEN AT GENERATION

Reason: The value for MAXEUP given here was greater than what was specified for MAXEUP on the $EFAC generation control statement.

System Action: The set is not processed.

Model 15:

CA103   T 3741 ON A SWITCHED LINE, REQUIRES IDEXRCV

Reason: 3741 as a terminal will send its identification.

System Action: The set is not processed.

Models 4, 8, 10, and 12:

CA104   W SQB MUST BE ZERO FOR ONE USER PROGRAM, VALUE IGNORED

Reason: The value must be zero if MAXEUP-1 was specified.

System Action: The set is processed with the value of zero for SQB.

Model 15:

CA104   W INVALID 'POLTIME' VALUE, POLTIME IGNORED

Reason: The value is not NO, N, or ttt,w sublist; the ttt value is too large or zero; the w value is too large or zero; or either value is not numeric.

System Action: The set is processed with POLTIME keyword ignored.

Model 15 (Program Number 5704-SC2):

CA104   W INVALID 'POLTIME' OR 'CSPOLTIM' VALUE, VALUE IGNORED

Reason: The value is not NO, N, or ttt,ww sublist; the ttt value is too large or zero; the ww value is too large or zero; or either value is not numeric.

System Action: The set is processed with the invalid keyword ignored.

CA105   W SOURCE STATEMENT FROM SOURCE MEMBER IS IGNORED

Reason: Source statement from a source member is not supported. Source statements, if entered, must be entered via the system input device.

System Action: The source statement is ignored and the set is processed.

CA106   T SQB VALUE NOT ALLOWED, GENERATION CONFLICT

Reason: No file sharing was specified during Generation.

System Action: The set is not processed.

CA108   T FSB VALUE IS NOT ALLOWED, GENERATION CONFLICT

Reason: No symbolic filenames were specified during Generation.

System Action: The set is not processed.

CA109   T PASSWORD SHOULD HAVE BEEN GIVEN

Reason: The use of a password was specified during Generation.

System Action: The set is not processed.

CA110   T PASSWORD NOT SUPPORTED AT
GENERATION

Reason: The use of a password was not specified during
Generation.

System Action: The set is not processed.

CA111   T GENERAL POLL NOT SUPPORTED BY
CCP

Reason: Either BSCA line EBCDIC and POLLCHAR —
second character is hex 7F, or BSCA line ASCII and
POLLCHAR — second character is hex 22.

System Action: The set is not processed.

CA115   W DUPLICATE 'ATTRID' VALUE GIVEN,
STATEMENT IGNORED

Reason: Duplicate values for ATTRID are not allowed.

System Action: The set is processed, and the statement
is ignored.

CA116   T UPPER CASE REQUIRES TRANSLATE

Reason: UPCASE-YES is valid only if TRANSLAT-YES
is specified.

System Action: The set is not processed.

CA117   T BSCA NOT SUPPORTED AT GENERATION,
BSCA KEYWORD GIVEN

Reason: The BSCA is not specified in the configuration
record.

System Action: The set is not processed.

CA118   W VARL/SPAN INVALID WITH ITB,
ASSUME VARL/SPAN-NO

Reason: VARL and SPAN are not valid when ITB was
specified.

System Action: The set is processed with NO assumed
as the value for VARL/SPAN.

CA119   T DUPLICATE TERMINAL ADDRESS ON
SAME LINE IS INVALID

Reason: The ADDR value is a duplicate of a previous
ADDR value on this line.

System Action: The set is not processed.

CA120   T RECL ONLY VALID IF DATAFORM-
RECORD IS SPECIFIED

Reason: When RECL-n is specified, DATAFORM-
RECORD must also be specified.

System Action: The set is not processed.

CA121   T RECL LARGER THAN BLKL OR INVALID
BLOCKING FACTOR

Reason: The record length cannot be specified as larger
than the block length, or blocking factor exceeds
255.

System Action: The set is not processed.

CA122   T RECL NOT EVEN MULTIPLE OF BLKL

Reason: The record length must be an even multiple
of the block length, except if SPAN-YES is specified.

System Action: The set is not processed.

CA125   T IDEXSEND/IDEXRCV IS VALID ONLY
ON SWITCHED LINES

Reason: IDEXSEND/IDEXRCV is valid only if
TYPE-SW is specified.

System Action: The set is not processed.

CA126   T POLLLIST AND POLLLOOP ARE VALID
ONLY ON CS LINES

Reason: POLLLIST AND POLLLOOP are valid only if
TYPE-CS is specified.

System Action: The set is not processed.

CA127   T TRANSPARENCY INVALID WITH
XMCODE-ASCII

Reason: TRANSP-YES cannot be specified with
XMCODE-ASCII.

System Action: The set is not processed.

CA129   T MAXRECL IS LESS THAN MINIMUM
REQUIRED

Reason: A value less than the minimum required (16
bytes) by MAXRECL was specified.

System Action: The set is not processed.

CA130   T SOURCE MEMBER NOT FOUND OR NO SOURCE LIBRARY ON PACK

Reason: Either the source member name cannot be found in the specified source library or the unit specified has no source library.

System Action: The set is not processed.

CA133   W MAXRECL SIZE WILL NOT SUPPORT ONLINE TEST

Reason: The online test and the maximum record size specified is less than 100.

System Action: The set is processed.

CA135   T LINE NUMBER GIVEN ON PREVIOUS STATEMENT

Reason: The same line cannot be specified twice.

System Action: The set is not processed.

CA136   T LINENUM OR LINE TYPE NOT SUPPORTED AT GENERATION

Reason: LINENUM or LINETYPE is not specified in the configuration record; or the configuration record specifies one BSCA line, and both BSCA lines were entered.

System Action: The set is not processed.

CA138   T TYPE-CS REQUIRES A POLL LIST

Reason: TYPE-CS is valid only if POLLLIST is specified.

System Action: The set is not processed.

CA140   T INVALID HEXADECIMAL CHARACTER ENTERED

Reason: Wrong length, leading asterisk and no trailing asterisk, or an invalid hexadecimal character was specified in one of the following:

MLTA	ADDR
BSCA	IDEXSEND
	IDEXRCV
	ADDRCHAR
	POLLCHAR

System Action: The set is not processed.

CA141   T TOO MANY OR TOO FEW CHARACTERS IN VALUE

Reason: IDEXRCV exceeds 15 characters, ADDRCHAR or POLLCHAR exceeds 7 characters, ADDRCHAR or POLLCHAR less than 2 characters, or ADDRCHAR not same length as POLLCHAR.

System Action: The set is not processed.

CA142   T TRANSMISSION CODE NOT SUPPORTED AT GENERATION

Reason: The transmission code is not specified in the configuration record.

System Action: The set is not processed.

CA143   T TASK SIZE SPECIFICATION CONFLICTS WITH EXECFIND-YES

Reason: A task size has been used on an execute find program.

System Action: The set is not processed.

CA144   T BLOCK LENGTH NOT LARGE ENOUGH FOR OUTBOARD POLLING

Reason: OUTPOLL-YES was specified, but BLKL is less than two times the number of terminals defined.

System Action: The set is not processed.

CA145   W INCORRECT ERTIME VALUE, ASSUME DEFAULT 05

Reason: A value other than 1-99 was given for ERTIME.

System Action: The ERTIME parameter is set to 5 minutes.

CA150   W $CCPAS CONFLICTS WITH ANOTHER CCP PROGRAM

Reason: The assignment build program will not execute if another partition has CCP startup, shutdown, assignment list program, program find, format find or another assignment build program running.

System Action: Diagnostics will be performed on the set. This error message will be followed by CA152 error message (5704-SC2 only).

CA151   W $CCPFILE CONFLICT — ONLY
DIAGNOSTICS PROVIDED

Reason: The startup phases of CCP were unable to
copy the PCT and/or STT out to the end of
$CCPFILE due to lack of free file area. Therefore,
updates to this $CCPFILE are not allowed during
this CCP execution. (Refer to *IBM System/3
Model 15 Communications Control Program System
Reference Manual*, GC21-7620 for an explanation of
assignment restrictions.)

System Action: Diagnostics will be performed on the
set but $CCPFILE will not be updated. This message
will be followed by CA152 error message (5704-SC2
only).

CA152   T $CCPFILE NOT UPDATED

Reason: The assignment build program had an earlier
error which involved a program conflict between the
assignment build program and another program
running in the system. Refer to the error earlier
in the listing.

System Action: The set is not processed (5704-SC2
only).

CA154   T KSORT ALLOWED FOR INDEXED ADD
ACCESS ONLY

Reason: KSORT parameter was specified for a file that
was not an index add file.

System Action: The set is not processed.

CA159   T ORG-C INVALID FOR MULTIVOLUME
FILES

Reason: A file organization other than direct or indexed
was specified for a multivolume file.

System Action: The set is not processed.

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CA160   T TYPE REQUIRES IDEXSEND OR
ADDRCHAR/POLLCHAR

Reason: The 3735 type terminal on a switched line
requires IDEXSEND, or the 3735/3270 type terminal
on a CS line requires ADDRCHAR/POLLCHAR.

System Action: The set is not processed.

CA161   T A DEFINED TERMINAL NOT IN POLL LIST
OF PREVIOUS LINE

Reason: A terminal was defined as being on a CS line,
but the ID was not found in the polllist for that line.

System Action: The set is nut processed.

CA162   W TYPE NOT COMMAND CAPABLE, ASSUME
COMMAND-NO

Reason: COMMAND-YES is not supported for the 3735
or BSCA terminals on a switched auto or manual call
line.

System Action: The set is processed and COMMAND-
NO is assumed.

CA163   T POLL LIST TOO LONG

Reason: The MLTA poll list is limited to a maximum of
127 IDs; each 1050 entry in a poll list requires four.

System Action: The set is not processed.

CA164   T VERIFYID REQUIRES IDEXRCV

Reason: If IDs are to be verified, then IDEXRCV must
be specified.

System Action: The set is not processed.

CA165   W VERIFYID IGNORED, INVALID WITH
LINE TYPE SPECIFIED

Reason: The value YES is only valid for BSCA terminals
on switched lines.

System Action: The set is processed assuming
VERIFYID-NO.

CA166   W SPAN VALID ONLY FOR 3735 AND CPU,
ASSUME SPAN-NO

Reason: The value YES is valid only for BSCA terminal
type 3735 or CPU.

System Action: The set is processed assuming SPAN-NO.

CA167   T SPAN/VARL REQUIRES RECL TO BE
OMITTED OR EQUAL BLKL

Reason: If span records or variable length records is
specified, the record length must equal the block
length or be omitted.

The DATAFORM parameter in the TERMATTR
statement did not specify RECORD.

System Action: The set is not processed.

CA168 W OFF ACTION APPLIES TO COMMAND TERMINALS ONLY

Reason: COMMAND was specified as NO and OFFACTN was specified.

System Action: The set is processed and the OFFACTN value is ignored.

CA172 T TERMINAL ID GIVEN ON PREVIOUS STATEMENT

Reason: The same terminal ID cannot be specified twice.

System Action: The set is not processed.

CA173 T TERMINAL TYPE NOT SUPPORTED AT GENERATION

Reason: The terminal type is not specified in the configuration record.

System Action: The set is not processed.

CA174 T COMBINATION OF TERMINAL TYPES ON THIS LINE INVALID

Reason: A 3270 type terminal was specified on other than a control station line, or a 3735 terminal was specified on a PP or MP line. All the terminals on a line must be of the same type.

System Action: The set is not processed.

CA175 T ATTRIBUTES SET INVALID

Reason: The attributes required have not been previously defined on a TERMATTR statement, or an attribute set was specified for a BSCA terminal and no block length was specified (a required parameter for BSCA terminals).

System Action: The set is not processed.

CA176 T LINE TYPE CONFLICTS WITH ATTRIBUTES SWITCHED VALUE

Reason: If the attributes specify switched line, the MLTALINE statement associated with a terminal that uses this attribute set must have TYPE-SW or TYPE-CW specified.

System Action: The set is not processed.

CA177 W MAXRECL TOO SMALL, MINIMUM REQUIRED VALUE USED

Reason: If any terminal on a line is a command terminal, the minimum MAXRECL value is as follows:
 — Terminal type 2740 Model 2, minimum value of 77.
 — Any other terminal type, minimum value of 107.

Model 4:
If any terminal on a line is a command terminal, the minimum MAXRECL value is 107.

System Action: The set is processed, assuming the minimum required value.

CA178   T PREVIOUS POLLLIST CONTAINS AN INVALID TERMINAL ID

Reason: All terminal IDs in a POLL LIST must have been defined on BSCATERM or MLTATERM statements following the appropriate line statement.

System Action: The set is not processed.

CA179   T SYSTEM STATEMENT SPECIFIES NO SYMBOLIC FILES

Reason: The FSB value in the SYSTEM statement was zero or omitted indicating no symbolic files are to be used with this assignment set.

System Action: The set is not processed.

CA185   T 1050 REQUIRES PINCOMP AND/OR POUTCOMP

Reason: The 1050 on a dial (switched) line requires that PINCOMP and POUTCOMP be specified.

System Action: The set is not processed.

CA186   T TERMINAL TYPE CONFLICTS WITH LINE TYPE OR XMCODE

Reason: The terminal type specified conflicts with the line type or transmission code specified.

System Action: The set is not processed.

CA187   T PINCOMP/POUTCOMP VALID ONLY FOR 1050

Reason: The PINCOMP and POUTCOMP parameters can be specified only for the 1050 system.

System Action: The set is not processed.

CA188   W TERMINAL ATTRIBUTES CONTAIN BSCA KEYWORDS

Reason: The terminal attributes should contain MLTA specifics only.

System Action: The set is processed.

CA195   T DUPLICATE TERMINAL NAME ENTERED

Reason: Two terminals cannot have the same name.

System Action: The set is not processed.

CA196   T TERMID NOT DEFINED ON BSCATERM OR MLTATERM STATEMENT

Reason: The terminal ID was not specified.

System Action: The set is not processed.

CA197   T PHONE NUMBER VALID ONLY IF TERMINAL ID IS SPECIFIED

Reason: The terminal ID was not specified.

System Action: The set is not processed.

CA198   T INCOMP/OUTCOMP/MSTRNAME INVALID WITH TERMINAL TYPE

Reason: INCOMP, OUTCOMP, and MSTRNAME were specified for a terminal type other than the 1050.

System Action: The set is not processed.

CA200   T MASTER NAME REQUIRES INCOMP OR OUTCOMP

Reason: If MSTRNAME is specified, either INCOMP and/or OUTCOMP must also be specified.

System Action: The set is not processed.

CA202   T PHONE NUMBER IS REQUIRED FOR AUTO OR MANUAL CALL

Reason: PHONENUM is required for switched lines using auto call or manual call.

System Action: The set is not processed.

CA203   T MASTER NAME NOT PREVIOUSLY DEFINED

Reason: The value specified by MSTRNAME must match a value given as a terminal symbolic name on a previous TERMNAME statement.

System Action: The set is not processed.

Model 12:

CA209   T DISKFILES DO NOT MEET CCP
DISK/SORT REQUIREMENTS

Reason:
- Duplicate file names are present between the three access methods.
- The file organization for the SORT workfile is not specified as ORG-C on the DISKFILE statement.
- Access methods for files used by a sort program other than CG, CO, and CA were specified.
- SHR was specified in the program statement for the SORT workfile (CA access).
- The record length of the workfile is not RECL-256.

System Action: The set is not processed.

CA209   W MSTRINDX INVALID WITH 5445,
ASSUME NO MSTRINDX

Reason: Master index is not supported for the 5445 under CCP.

System Action: The set is processed using no master index.

CA210   T DEVICE NOT SUPPORTED AT
GENERATION

Reason: The 5445 specified is not specified in the configuration record, or SIOC-YES is not specified at generation.

System Action: The set is not processed.

CA211   T PORT NAME SPECIFIED IS NOT
ACQUIRABLE

Reason: The port name specified is a nonacquirable port.

System Action: The set is not processed.

CA212   T KEYL AND KEYPOS REQUIRED FOR
INDEXED FILES

Reason: Indexed files require that KEYL and KEYPOS be specified.

System Action: The set is not processed.

CA213   T KEYL, KEYPOS, AND MASTER INDEX
REQUIRES ORG-I

Reason: KEYL, KEYPOS, and MSTRINDX were specified for other than an indexed file.

System Action: The set is not processed.

Note: MASTER INDEX (MSTRINDX) does not apply to Program Number 5704-SC2.

CA214   T DISKFILE NAME NOT PREVIOUSLY
DEFINED

Reason: A DISKFILE name specified on a SYMFILE statement was not previously defined by a DISKFILE statement.

System Action: The set is not processed.

CA215   T INVALID ACCESS TO MULTI-VOLUME
FILE

Reason: An access method other than DG, DU, IR, IRU, IRA, or IRUA has been specified for a multivolume file.

System Action: The set is not processed.

CA216   T SYMBOLIC NAME CANNOT REFERENCE
BOTH 5444 AND 5445 FILES

Reason: The SYMFILE name referencing the 5444 and 5445 files is not supported under CCP.

System Action: The set is not processed.

CA217   T DISKFILE CONTAINS DUPLICATE
ENTRIES

Reason: The DISKFILE parameter on a SYMFILE statement contains two or more identical entries.

System Action: The set is not processed.

CA218 T INVALID FILE NAME - $CCPFILE

Reason: $CCPFILE is a restricted name and must not be used.

System Action: The set is not processed.

CA219 T DUPLICATE FILE NAME ENTERED

Reason: The same file cannot be specified twice.

System Action: The set is not processed.

CA220 W MSTRINDX KEYWORD CONFLICT, ASSUME NOT MASTER INDEX

Reason: If MIXSIZE is specified, then MSTRINDX-NO cannot be specified.

System Action: The set is processed assuming no master index.

Model 12:
CA220 T GENERATED CCP SYSTEM DOES NOT SUPPORT SORT

Reason: Sort code was not put in during generation. generation. SORT-YES is required in $EFAC.

System Action: The set is not processed.

CA221 T INCONSISTENT DISKFILE ATTRIBUTES

Reason: The symbolic file references files with different organization, record length, key length, or key position.

System Action: The set is not processed.

Model 15 (Program Number 5704-SC2):
CA222 W OUTPOLL-YES REQUIRES A BSCC LINE, ASSUME OUTPOLL-NO

Reason: OUTPOLL-YES is valid only on BSCA lines 3 and 4 (BSCC).

System Action: The set is processed assuming OUTPOLL-NO.

Model 15 (Program Number 5704-SC2):
CA223 W EXECFIND-Y REQUIRES PACK-P OR PACK-S, ASSUME PACK-P

Reason: An EXECFIND-YES program must be located on the program or system pack.

System Action: The set is processed assuming PACK-PROGRAM.

Model 15 (Program Number 5704-SC2):
CA224 *ERROR* LINENUM-4 REQUIRES BSCC-2 ON $ECSC AT GENERATION

Reason: The specification of BSCA line LINENUM-4 at assignment requires BSCC support for two lines at generation.

System Action: The set is not processed.

CA225   T PORT NAME CONFLICTS WITH A TERMINAL NAME ABOVE

Reason: The port name is a duplicate of a terminal name.

System Action: The set is not processed.

CA226   T AQPORT OR NAQPORT MUST BE SPECIFIED

Reason: No logical ports were specified.

System Action: The set is not processed.

CA227   T BLKL VALUE SPECIFIED MUST BE AT LEAST 252

Reason: Block length was specified as less than 252.

System Action: The set is not processed.

CA228   T INVALID PORTPRFX

Reason: The PORTPRFX contains other than alphameric characters.

System Action: The set is not processed.

CA230   T TOTAL TERMINAL LIMIT EXCEEDED

Reason: The number of ports specified exceeded the limit of total terminals allowed.

System Action: The set is not processed.

Models 8, 10, and 12:
CA231   W GENERATED CCP DOES NOT SUPPORT UPDATE FILE SHARING

Reason: An update file was specified to be shared and generated specifying no file sharing.

System Action: The set will be processed using the default of NOSHR for all update files.

Model 15:
CA231   W PRUF$Z REQUIRES PRUFLNG AND DFF PROG, PRUF$Z IGNORED

Reason: Specifying a PRUF format name implies a DFF program (DFFNDF, DFFSFDT, DFFMTERM) and the input text length (PRUFLNG) is always required when using PRUF.

System Action: The set is processed assuming PRUF will not be used for this program.

CA232   T TRANSLATION OF LINE CODE REQUIRED BY GENERATION

Reason: Attributes set specifies TRANSLAT-NO, and translation was specified at generation that all MLTA terminals would require line code translation.

System Action: The set is not processed.

CA233   T DFF SUPPORT WITH ASCII CODE REQUIRES TRANSLAT-YES

Reason: DFF (display format facility) support used with line code of ASCII requires translation under CCP.

System Action: The set is not processed.

Models 4, 8, 10, and 12:
CA234   W SQB OMITTED, CCP GENERATED TO SHARE FILES

Reason: The SQB parameter was omitted in the SYSTEM statement, but CCP was generated to permit disk file sharing.

System Action: The set is processed assuming no disk file sharing.

Model 15:

CA234 W FORMAT NAME MUST BEGIN WITH '$Z', PRUF$Z IGNORED

Reason: All valid format names begin with '$Z'.

System Action: The set is processed assuming PRUF (program request under format) will not be used for this program.

CA235 T PROGRAM NAME PREVIOUSLY GIVEN

Reason: The same program cannot be specified twice.

System Action: The set is not processed.

CA236 W MRTMAX/PGMDATA CONFLICT, ASSUME PGMDATA-YES

Reason: A program specified as servicing multiple requesting terminals (MRTMAX) must have specified PGMDATA-YES.

System Action: The set is processed assuming PGMDATA-YES.

Models 4, 8, 10, and 12:

CA237 W REUSABLE/NEVEREND CONFLICT, ASSUME NEVEREND-NO

Reason: A never-ending program cannot be specified REUSABLE.

System Action: The set is processed assuming NEVEREND-NO.

Model 15:

CA237 W PROG WITH PRUFLNG REQUIRES PRUF$Z, PRUFLNG IGNORED

Reason: All DFF programs specifying PRUF (program request under format) require the format name.

System Action: The set is processed assuming PRUF will not be used for this program.

Models 4, 8, 10, and 12:

CA238 W REUSABLE/LANGUAGE CONFLICT, ASSUME REUSABLE-NO

Reason: RPG II and FORTRAN programs are not reusable programs.

System Action: The set is processed assuming REUSABLE-NO.

Model 15:

CA238 W PRUF REQUIRES BSCA GET MESSAGE SUPPORT, PRUF IGNORED

Reason: The BSCA GET message was not specified at Generation on the $EBSC statement.

System Action: The set is processed assuming PRUF (program request under format) will not be used for this program.

Models 4, 8, 10, and 12:

CA239 W UNIT RECORD DEVICE NOT SUPPORTED AT GENERATION

Reason: The printer, MFCU, 3741, or RP1442 was not specified in the configuration record during SYSGEN.

System Action: The set is not processed.

Model 15

CA239 W SORT-YES REQUIRES PGMDATA-YES, ASSUME PGMDATA-YES

Reason: SORT-YES and PGMDATA-NO were specified on the program statement.

System Action: The set is processed assuming PGMDATA-YES.

CA240 T TERMINAL NAME NOT DEFINED ON TERMNAME STATEMENT

Reason: The required terminal name was omitted on the TERMNAME control statement.

System Action: The set is not processed.

Model 15 (Program Number 5704-SC1):

CA241 W POLLLOOP VALUE TOO LARGE, ASSUME VALUE OF 3

Reason: The 3735 terminal on a control station line cannot have an infinite poll loop value.

System Action: The set is processed using a value of 3 for POLLLOOP.

Model 15 (Program Number 5704-SC2):

CA241 T FILE ACCESS DOES NOT MEET CCP DISK/SORT REQUIREMENTS

Reason:
- The file organization for the workfile is not specified as ORG-C on the DISKFILE statement.
- The record length of the workfile is not RECL-256.
- More than eight files are established as input to a SORT-YES program.
- Duplicate file names are present between the three access methods: CG, CA, and CO.
- Access methods for files used by a sort program other than CG, CO, and CA were specified.
- SHR was specified in the PROGRAM statement for the SORT workfile (CA access).

System Action: The set is not processed.

CA242 T FILE ACCESS INCONSISTENT WITH DISKFILE STATEMENT

Reason: The file access and the file organization must correspond.

System Action: The set is not processed.

CA243 T FILE ACCESS DOES NOT MEET CCP DISK/SORT REQUIREMENTS

Reason:
- The file organization for the workfile is not specified as ORG-C on the DISKFILE statement.
- The record length of the workfile is not RECL-256.
- Duplicate file names are present between the three access methods: CG, CA, and CO.
- Access methods for files used by a sort program other than CG, CO, and CA were specified.
- SHR was specified in the PROGRAM statement for the SORT workfile (CA access).

System Action: The set is not processed.

CA244 W UNREFERENCED FILE STATEMENTS ARE IGNORED

Reason: A DISKFILE and/or SYMFILE name is defined and not referenced by a PROGRAM statement. Unreferenced names are listed and ignored.

System Action: The set is processed, ignoring unreferenced file statements.

CA245 W SHR INCONSISTENT WITH ACCESS, ASSUME NOSHR

Reason: SHR was specified for a file whose access is CO, IO, or IOU, IA, ISA, or ISUA; or SHR was specified although this assignment set does not support file sharing (either because Generation did not support it, or because no SQBs were specified in the SYSTEM statement).

System Action: The set is processed as if NOSHR had been specified for the use of this file by this program.

CA246 T FILE NAME NOT PREVIOUSLY DEFINED

Reason: The required filename was omitted.

System Action: The set is not processed.

CA247 T LANGUAGE SPECIFIED NOT SUPPORTED AT GENERATION

Reason: The language to be supported is not specified in the configuration record.

System Action: The set is not processed.

CA248 W SHAREDIO NOT VALID FOR LANGUAGE, ASSUME SHAREDIO-NO

Reason: SHAREDIO-YES is valid only for RPG II.

System Action: The set is processed assuming SHAREDIO-NO.

CA249 T FILE ACCESS INCONSISTENT WITH PREVIOUS ACCESS

Reason: Access of IO prohibits all other types of access, or access of IOU prohibits all other types of access.

System Action: The set is not processed.

CA250 W POSSIBLE FILE ACCESS CONFLICT

Reason: The same file is to be accessed by method CA and CO.

System Action: The set is processed.

CA251 T 3270 FORMATTING KEYWORD CONFLICT

Reason:
- DFFPACK was specified on SYSTEM statement, but DFF (display format facility) was not supported at Generation.
- DFF3270-YES was specified in TERMMATTR statement, but DFFPACK was not specified on the SYSTEM statement.
- DFF3270-YES specified in TERMATTR statement prohibits the parameters TRANSP, ITB, VARL, and SPAN, and requires DATAFORM to be specified as MESSAGE.
- A DFF parameter was specified in the PROGRAM statement but no BSCA terminal referenced an attributes set that specified DFF3270-YES.
- There were inconsistent DFF parameters on the PROGRAM statement; if any DFF parameter is given, all three must be given.
- DFFINDX keyword specified and DFFPACK was not given on the system statement.

System Action: The set is not processed.

CA252 T UPDATE ACCESS REQUIRES AT LEAST ONE SQB

Reason: In a CCP system generated to share update files, the processing of update files requires at least one SQB. The keyword SQB on the SYSTEM statement was omitted or had a value of zero.

System Action: The set is not processed.

CA253 W MASTER INDEX SIZE TOO SMALL, ASSUME NO MASTER INDEX

Reason: The minimum allowed is key length plus 5.

System Action: The set is processed with no master index.

CA253 W SORT-YES REQUIRES PGMDATA-YES, ASSUME PGMDATA-YES

Reason: SORT-YES and PGMDATA-NO were specified in the PROGRAM statement.

System Action: The set is processed assuming PGMDATA-YES.

CA254 T INVALID PROGRAM NAME

Reason: The program name does not consist of 2 to 6 valid extended alphameric characters. Program names are not allowed to start with $.

System Action: The set is not processed.

CA255 T MRTMAX OR REUSABLE PROHIBITS USE OF SYMBOLIC FILES

Reason: Symbolic files cannot be used if the parameters MRTMAX or REUSABLE are specified.

System Action: The set is not processed.

Generation Stage Messages

These messages are issued at Generation to inform the user of invalid specifications of operands in the generation control statements.

The format of each message is as follows:

Positions 1-7: *ERROR* or WARNING. *ERROR* indicates Generation will not proceed. WARNING indicates an error was detected, the default value is assumed, and generation continues.

Positions 10-89: Message number and message.

Examples

```
*ERROR*    CC906  COMMA AFTER LAST OPERAND
                  BUT NO CONTINUATION
                  INDICATOR

WARNING    CC482  RESPOL-YES SPECIFIED WITH
                  CS-NO - TREATED AS RESPOL-
                  NO
```

The errors signaled by CCP Generation fall into the following classes:

1. Error in the format of the statement itself, such as:
   a. Unknown statement type
   b. Incorrect keyword
   c. Invalid continuation of the statement

   Errors in this class do not permit the statement to be examined further; therefore, there might be other errors in the statement that cannot be detected if an error of this class is detected.

2. Error in the sequence of statements. This error can also occurr because of an error of class #1 on the preceding statement.

3. A required operand is missing. If these are not specified, Generation cannot proceed.

4. The parameter specified in an operand is not a valid one. In this case, Generation cannot proceed.

5. Conflict among operands specified. Either:
   a. Two operands specified cannot be specified together, or
   b. An operand specified requires a certain other operand specified, and it was not.

The messages issued by CCP Generation explain in their texts the reason the diagnostic was issued.

Messages Associated with the $EIOD Statement

ERROR	CC005	$EIOD STATEMENT NOT IN PROPER SEQUENCE
ERROR	CC010	INVALID 'CARD' PARAMETER — MUST BE MFCU/1442/'MFCU,1442'/NO
ERROR	CC015	INVALID 'PRINTR' PARAMETER — MUST BE 5203/1403/NO
ERROR	CC020	INVALID 'DISKS' PARAMETER — MUST BE R2/'R2,F2'/NO
ERROR	CC025	INVALID 'D5445' PARAMETER — MUST BE D1/'D1,D2'/NO
ERROR	CC026	INVALID 'N3741' PARAMETER — MUST BE YES/Y/NO/N

Messages Associated with the $EFAC Statement

ERROR	CC050	$EFAC STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC053	INVALID 'TTASK' PARAMETER — MUST BE YES/Y/NO/N (Model 15, Program Number 5704-SC2)
ERROR	CC055	INVALID 'MAXEUP' PARAMETER — MUST BE DIGIT IN RANGE 1-8
ERROR	CC060	INVALID 'DPF' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC065	INVALID 'FSHARE' PARAMETER — MUST BE YES/Y/NO/N
WARNING	CC067	FSHARE-YES SPECIFIED WITH MAXEUP-1 — TREATED AS FSHARE-NO
ERROR	CC075	INVALID 'SYMFIL' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC080	INVALID 'PGMCNT' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC085	INVALID 'ESCAPE' PARAMETER — MUST BE '6 CHARS'/X'12 CHARS'/NO
ERROR	CC086	INVALID 'SIOC' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC087	INVALID 'OPPRUF' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC090	INVALID 'FORMAT' PARAMETER — MUST BE YES/Y/NO/N/PL1
ERROR	CC091	INVALID 'FRUF' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC092	INVALID 'SORT' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC093	INVALID 'ACCEPT' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC094	INVALID 'RESOPN' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC095	INVALID 'MOVDFF' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC096	INVALID 'RESREQ' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC097	INVALID 'BSYPRT' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC098	INVALID 'MOVTNT' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC099	INVALID 'CPUMSG' PARAMETER — MUST BE YES/Y/NO/N

Messages Associated with the $EPLG Statement

ERROR	CC100	$EPLG STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC105	INVALID 'LANG' PARAMETER — MUST BE COBOL/RPGII/ASSEM/FORTRAN
ERROR	CC110	DUPLICATE $EPLG STATEMENT FOR { RPGII / COBOL / FORTRAN / ASSEM } LANGUAGE
ERROR	CC115	INVALID "PPUNIT' PARAMETER — MUST BE R1/F1/R1/F2
ERROR	CC120	MISSING 'LANG' OPERAND — MUST BE SPECIFIED
ERROR	CC125	MISSING 'PPUNIT' OPERAND — MUST BE SPECIFIED

Messages Associated with the $ESEC Statement

ERROR	CC150	STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC155	INVALID 'SECURE' PARAMETER — MUST BE CCP/USER/NO
ERROR	CC160	INVALID 'LUSI' PARAMETER — ONLY 0 IS VALID UNLESS SECURE-USER
ERROR	CC165	LUSI-0 SPECIFIED, OR 'LUSI' OPERAND OMITTED, WITH SECURE-USER
ERROR	CC170	INVALID 'LUSI' PARAMETER — MUST BE NUMBER IN RANGE 1-4096

Messages Associated with the $EFIL Statement

ERROR	CC200	$EFIL STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC205	INVALID 'SETS' PARAMETER — MUST BE NUMBER IN RANGE 1-25
ERROR	CC210	INVALID 'PROGS' PARAMETER — MUST BE NUMBER IN RANGE 1-255
ERROR	CC210	INVALID 'PROGS' PARAMETER — MUST BE NUMBER IN RANGE 1-999 (Model 15, Program Number 5704-SC2)
ERROR	CC215	INVALID 'DFILES' PARAMETER — MUST BE NUMBER IN RANGE 0-50 (Model 15, Program Number 5704-SC1)
ERROR	CC215	INVALID 'DFILES' PARAMETER — MUST BE NUMBER IN RANGE 0-192 (Model 15, Program Number 5704-SC2)
ERROR	CC220	INVALID 'TERMS' PARAMETER — MUST BE NUMBER IN RANGE 1-254
ERROR	CC225	INVALID 'DUMPS' PARAMETER — MUST BE NUMBER IN RANGE 1-9
ERROR	CC230	INVALID 'CORE' PARAMETER — MUST BE 24K/32K/48K/64K (Model 10)
ERROR	CC230	INVALID 'CORE' PARAMETER — MUST BE 48K/64K/80K/96K(Model 12)
ERROR	CC230	INVALID 'CORE' PARAMETER — MUST BE 48K/64K/96K/128K/160K/192K/224K/256K (Model 15, Program Number 5704-SC1)
ERROR	CC230	INVALID 'CORE' PARAMETER — MUST BE 96K/128K/160K/192K/224K/256K/384K/512K (Model 15, Program Number 5704-SC2)
ERROR	CC235	INVALID 'TRACE' PARAMETER — MUST BE NUMBER IN RANGE 1-20
ERROR	CC240	MISSING 'FLUNIT' OPERAND — MUST BE SPECIFIED
ERROR	CC242	INVALID 'FLUNIT' PARAMETER — MUST BE R1/F1/R2/F2
ERROR	CC244	MISSING 'FLPACK' OPERAND — MUST BE SPECIFIED
ERROR	CC246	INVALID 'FLPACK' PARAMETER — MUST BE 1-6 CHARACTERS
ERROR	CC248	INVALID 'TRKLOC' PARAMETER — MUST BE NUMBER IN RANGE 8-405

Messages Associated with the $EMLA Statement

ERROR	CC250	$EMLA STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC255	INVALID 'LINES' PARAMETER — MUST BE NUMBER IN RANGE 0-8
ERROR	CC260	MISSING 'LINES' OPERAND — MUST BE SPECIFIED IF STATEMENT USED
ERROR	CC265	LINES-0, BUT OTHER KEYWORD SPECIFIED WITH NON-DEFAULT PARAMETER
ERROR	CC270	INVALID 'XLATE' PARAMETER — MUST BE YES/Y/NO/N

Messages Associated with the $EMLD Statement

ERROR	CC300	$EMLD STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC305	STATEMENT USED, BUT NO MLTA LINES SPECIFIED
ERROR	CC310	MISSING 'TYPE' OPERAND — MUST BE SPECIFIED
ERROR	CC315	INVALID 'TYPE' PARAMETER — MUST BE MLTA TERMINAL DESIGNATION
ERROR	CC320	MISSING 'XMCODE' OPERAND — MUST BE SPECIFIED
ERROR	CC325	INVALID 'XMCODE' PARAMETER — MUST BE CORR/PTTCEBCD/PTTCBCD
ERROR	CC330	XMCODE $\left\{ \begin{array}{l} \text{PTTCEBCD} \\ \text{PTTCBCD} \\ \text{CORR} \end{array} \right\}$ NOT VALID FOR TERMINAL TYPE SPECIFIED

Messages Associated with the $EBSC Statement

ERROR	CC400	$EBSC STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC405	MISSING 'BSCA' OPERAND — MUST BE SPECIFIED IF STATEMENT USED
ERROR	CC410	INVALID 'BSCA' PARAMETER — MUST BE NUMBER IN RANGE 0-2
ERROR	CC415	BSCA-0, BUT OTHER OPERAND SPECIFIED WITH NON-DEFAULT PARAMETER
ERROR	CC417	INVALID 'DA' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC419	IF DA-YES, MUST SPECIFY BSCA-1 OR BSCA-2
ERROR	CC420	INVALID 'DIAL' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC422	INVALID 'BSYPRT' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC423	IF BSYPRT-YES, MUST SPECIFY BSCA-1 OR BSCA-2
ERROR	CC425	INVALID 'PP' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC430	INVALID 'MP' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC435	INVALID 'CS' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC440	BSCA PRESENT BUT NO LINE TYPES SPECIFIED
ERROR	CC445	INVALID 'GETMSG' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC450	INVALID 'ITB' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC455	INVALID 'RECSEP' PARAMETER — MUST BE TWO HEX DIGITS
ERROR	CC460	INVALID 'ASCII' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC465	INVALID 'EBCDIC' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC470	BSCA PRESENT BUT NEITHER TRANSMISSION CODE IS USED
ERROR	CC472	EBCDIC-YES AND ASCII-YES SPECIFIED WITH BSCA-1 — NOT POSSIBLE
ERROR	CC480	INVALID 'RESPOL' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC481	INVALID 'INTPOL' PARAMETER MUST BE YES/Y/NO/N
WARNING	CC482	RESPOL-YES SPECIFIED WITH CS-NO — TREATED AS RESPOL-NO
ERROR	CC485	INVALID 'AUTORS' PARAMETER — MUST BE YES/Y/NO/N
WARNING	CC487	AUTORS-YES SPECIFIED WITH MP-NO — TREATED AS AUTORS-NO
ERROR	CC490	INVALID 'XPRNCY' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC492	XPRNCY-YES SPECIFIED WITH EBCDIC-NO — NOT VALID
ERROR	CC520	3271 CONTROL UNIT REQUIRES CONTROL STATION SUPPORT
ERROR	CC525	TYPR 3275 REQUIRES CONTROL STATION OR SWITCHED SUPPORT

Messages Associated with the $EBSD Statement

ERROR	CC500	$EBSD STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC505	$EBSD STATEMENT USED, BUT NO BSC ADAPTERS SPECIFIED
ERROR	CC510	MISSING 'TYPE' OPERAND — MUST BE SPECIFIED
ERROR	CC515	INVALID 'TYPE' PARAMETER — MUST BE BSCA TERMINAL DESIGNATION
ERROR	CC520	TYPE 32NN REQUIRES CONTROL STATION LINE SUPPORT (Models 8, 10, and 12)
ERROR	CC520	3271 CONTROL UNIT REQUIRES CONTROL STATION SUPPORT (Model 15)
ERROR	CC525	TYPE 3275 REQUIRES CONTROL STATION OR SWITCHED SUPPORT (Model 15)

Model 15 (Program Number 5704-SC2):
Messages Associated with the $ECSC Statement

ERROR	CC530	CONFLICT — BSCC AND MLTA ARE MUTUALLY EXCLUSIVE
ERROR	CC531	$ECSC STATEMENT OUT OF SEQUENCE — OR PRECEDING STATEMENT ERROR
ERROR	CC532	MISSING 'BSCC' OPERAND — MUST BE SPECIFIED IF STATEMENT USED
ERROR	CC534	INVALID 'BSCC' PARAMETER — MUST BE NUMBER IN RANGE 0-2
ERROR	CC536	BSCC-0, BUT OTHER OPERAND SPECIFIED WITH NONDEFAULT PARAMETER
ERROR	CC537	INVALID 'PORT' PARAMETER — MUST BE YES/Y/NO/N
ERROR	CC538	BSCC IS PRESENT BUT NEITHER TRANSMISSION CODE IS USED
ERROR	CC539	BSCC PRESENT BUT NO LINE TYPE SPECIFIED
ERROR	CC540	EBCDIC-YES AND ASCII-YES SPECIFIED WITH BSCC-1 — NOT POSSIBLE

Messages Associated with the $ECSD Statement

ERROR	CC542	$ECSD STATEMENT OUT OF SEQUENCE – OR PRECEDING STATEMENT ERROR
ERROR	CC543	3275 OR 3271 UNDER BSCC REQUIRES CONTROL STATION SUPPORT (Model 15, Program Number 5704-SC2)
ERROR	CC544	$ECSD STATEMENT USED, BUT NO BSCC LINES SPECIFIED
ERROR	CC546	INVALID 'TYPE' PARAMETER – MUST BE BSCC TERMINAL DESIGNATION

Messages Associated with the $EGEN Statement

ERROR	CC600	$EGEN STATEMENT OUT OF SEQUENCE – OR PRECEDING STATEMENT ERROR
ERROR	CC605	DUPLICATE $EGEN STATEMENT – CONTENTS IGNORED
ERROR	CC610	MISSING 'DSUNIT' OPERAND – MUST BE SPECIFIED
ERROR	CC615	INVALID 'DSUNIT' PARAMETER – MUST BE R1/F1
ERROR	CC620	MISSING 'CCUNIT' OPERAND – MUST BE SPECIFIED
ERROR	CC625	INVALID 'CCUNIT' PARAMETER – MUST BE R1/F1/R2/F2
ERROR	CC630	MISSING 'WKUNIT' OPERAND – MUST BE SPECIFIED
ERROR	CC633	INVALID 'DPPACK' PARAMETER – MUST NOT BE MORE THAN 6 CHARACTERS
ERROR	CC635	INVALID 'WKUNIT' PARAMETER – MUST BE R1/F1/R2/F2/D1/D2/D3/D4 OR SERIES OF 3
ERROR	CC635	INVALID 'WKUNIT' PARAMETER – MUST BE R1/F1/R2/F2/D1/D2/D3/D31/D32/D33/D34/D4/D41/D42/D43/D44 OR SERIES OF 3 (Model 15, Program Number 5704-SC2)
ERROR	CC637	WKUNIT/WKPACK ERROR – PACKS ****** AND ****** BOTH ON UNIT **
ERROR	CC640	MISSING 'WKPACK' OPERAND – MUST BE SPECIFIED
ERROR	CC645	INVALID 'WKPACK' PARAMETER – MUST BE 1-6 CHAR NAME OR SERIES OF 3
ERROR	CC650	MISSING 'DIUNIT' OPERAND – MUST BE SPECIFIED
ERROR	CC655	INVALID 'DIUNIT' PARAMETER – MUST BE R1/F1/R2/F2
ERROR	CC660	'CCUNIT' SAME AS 'DIUNIT' – NOT PERMITTED
ERROR	CC665	'PPUNIT' FROM $EPLG STATEMENT SAME AS 'DIUNIT' – NOT PERMITTED
ERROR	CC670	INVALID 'MINRES' PARAMETER – MUST BE YES/Y/NO/N
ERROR	CC675	MINRES-YES REQUIRES MAXEUP-1
ERROR	CC680	INVALID 'CARD' PARAMETER – MUST BE YES/Y/NO/N

Messages Associated with Special Situations

ERROR	CC700	NO MLTA OR BSCA SUPPORT SPECIFIED – AT LEAST ONE REQUIRED
ERROR	CC700	NO MLTA, BSCA, OR BSCC SUPPORT SPECIFIED – AT LEAST ONE REQUIRED (Model 15, Program Number 5704-SC2)
ERROR	CC705	FORMAT-YES/PL1 SPECIFIED IN $EFAC REQUIRES GETMSG-YES IN $EBSC OR $ECSC[1]
ERROR	CC706	PRUF-YES SPECIFIED IN $EFAC REQUIRES GETMSG-YES IN $EBSC OR $ECSC[1]
ERROR	CC710	NO PROGRAMMING LANGUAGE SUPPORTED – AT LEAST ONE REQUIRED
ERROR	CC715	FORMAT-YES/PL1 IN $EFAC REQUIRES 3270 DISPLAY DEVICE IN $EBSD OR $ECSD[1]
ERROR	CC716	PRUF-YES IN $EFAC REQUIRES 3270 DISPLAY DEVICE IN $EBSD OR $ECSD[1]
ERROR	CC717	AUTORS-YES IN $EBSC REQUIRES TYPE-CPU IN A $EBSD
ERROR	CC720	ESCAPE SPECIFIED IN $EFAC REQUIRES MINRES-NO
ERROR	CC725	PGMCNT-YES SPECIFIED IN $EFAC REQUIRES MINRES-NO
ERROR	CC730	SYMFIL-YES SPECIFIED IN $EFAC REQUIRES MINRES-NO
ERROR	CC735	XLATE-NO SPECIFIED IN $EMLA REQUIRES MINRES-NO
ERROR	CC740	MULTIPLE TP LINES REQUIRES MINRES-NO
ERROR	CC745	DPF – YES SPECIFIED IN $EFAL REQUIRES MINRES – NO
ERROR	CC750	FSHARE – YES SPECIFIED IN $EFAL REQUIRES MINRES – NO
ERROR	CC755	FORMAT – PL1 IN $EFAC REQUIRES MINRES – NO
ERROR	CC760	FORMAT – PL1 IN $EFAC REQUIRES CORE – 80K OR 96K
ERROR	CC765	MLTA SUPPORT REQUIRES FORMAT – NO OR YES IN $EFAC
ERROR	CC770	CORE – 80K OR 96K REQUIRES DPF – YES
ERROR	CC770	CORE – 80K or 96K REQUIRES DPF – YES
WARNING	CC775	TRACK LOCATION OF $CCPFILE CHANGED TO **** BECAUSE OF FILE SIZE

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[1]5704-SC2 only

Messages Associated with Each Statement

ERROR	CC901	INVALID STATEMENT TYPE OR SOURCE LIBRARY ON WRONG PACK
ERROR	CC902	INVALID STATEMENT TYPE, OR PREVIOUS ERROR ON STATEMENT
ERROR	CC903	A KEYWORD USED IS NOT VALID FOR THIS STATEMENT TYPE
ERROR	CC904	A PARAMETER IS MISSING OR HAS INVALID FORM
ERROR	CC905	A DELIMITER IS EITHER INVALID OR WRONGLY PLACED IN THE STATEMENT
ERROR	CC906	COMMA AFTER LAST OPERAND BUT NO CONTINUATION INDICATOR
ERROR	CC907	ON CONTINUATION CARD, COLS. 1-13 MUST BE BLANK — THEY ARE NOT
ERROR	CC909	ERROR '**' ISSUED BY MACRO PROCESSOR — POSSIBLE CCP ERROR
ERROR	CC990	INCOMPLETE INPUT TO CCP GENERATION
ERROR	CC991	NOT A VALID STATEMENT FOR CCP GENERATION

Display Format Generator Diagnostic Messages

During its processing, the DFGR (display format generator) diagnoses errors in the display format specifications and logs diagnostic messages on the system logging device. The messages consist of a message number followed by a severity code and message text. The severity codes are:

T - *Terminal* — The DFGR does not build the display format in the object library, but can continue to diagnose the remaining specifications. DFGR continues with the next format if multiple input is used and the operator wants to continue.

W - *Warning* — If there are no terminal errors in the specifications, the DFGR allows the system operator to choose whether or not to place the format in the object library. The DFGR can assign a default value to the specification that is in error.

I - *Information* — When terminal or warning messages have been issued, the DFGR issues this message as the final diagnostic.

Note: Because the DFGR uses the overlay linkage editor to put formats into the object library, it is possible to get overlay linkage editor halts when using the DFGR.

CG001   T   INVALID CONTROL STATEMENT

Reason: The first statement of a data stream must be a control statement identified by a C in column one.

System Action: The DFGR bypasses the rest of the statements in the data stream until a /* statement is read. If using multiple input, DFGR bypasses statements until either a /* or another control card is read. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG002   T   INVALID DISPLAY NAME

Reason: The first two characters of the display name must be $Z. The rest of the characters in the name can be any character set (no imbedded blanks allowed).

System Action: The DFGR continues processing statements to diagnose errors but does not build a display in the library; a halt is then given (CPU-EE 0 3) with options to continue with next format, if multiple formats, or go to EOJ.

CG003   W   INVALID CURSOR/FIELD NAME

Reason: The cursor/field name is not a valid field name. A valid name can start with alphabetic characters or one of three special characters (#, $, @). The rest of the characters in the name must be members of the 39 character set (no imbedded blanks allowed).

System Action: The DFGR ignores the cursor/field specified and continues processing. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG004   T   INVALID DISPLAY SIZE

Reason: Either 1 or 2 must be specified for display size. There is no default value.

System Action: The DFGR bypasses the rest of the statements in the data stream until a /* statement is read. If using multiple input, DFGR bypasses statements until either a /* or another control card is read. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG005   W   INVALID CLEAR DISPLAY OPTION

Reason: Some character other than the required Y or N was specified. (If there is no entry, Y is the default.)

System Action: DFGR assigns the default value Y and continues processing. If no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG006   W   INVALID UNIT SPECIFIED

Reason: The unit specified for output is not an available unit.

System Action: DFGR assigns the program pack as the default output unit and continues processing. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG007   W INVALID PRINTER CONTROL ENTRY

Reason: An NL or EM address specified for printer control was not a valid line/position address on the display being defined.

System Action: DFGR ignores the invalid NL or EM and continues processing. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG008   T INVALID CONTINUATION

Reason: Failure to meet one of the following conditions is the error:

1. More than one continuation control statement cannot be specified.

2. A continuation cannot be specified for a field having source-E.

3. A continuation cannot be specified when the data length is not sufficient to warrant it.

4. The first 24 characters of a continuation statement must be the statement identification C or F, followed by blanks.

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG009   T INVALID FIELD NAME

Reason: The field name can start with alphabetic characters or one of three special characters (#, $, @). The rest of the characters in the name must be members of the 39 character set (no imbedded blanks allowed).

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG010   T DUPLICATE FIELD NAME

Reason: Two or more fields in the same display format cannot have the same name.

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG011   T INVALID FIELD LOCATION

Reason: The line/position address of the field is not a valid address on the display being generated.

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG012   T INVALID FIELD LENGTH

Reason: The length specified must be a valid number between 1 and 240 and must be right justified.

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG013   W INVALID AUTOSKIP OPTION

Reason: The only valid autoskip options are Y, N, or ƀ (N is default).

System Action: DFGR assigns the default value, N, and continues processing the statements. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

General

CG014   T INVALID DATA SOURCE OPTION

Reason: The only valid source options are E, G, or Ҍ (G is default).

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG015   T INVALID TYPE OPTION

Reason: Either no type was specified, or a type other than those allowed for the chosen field class was specified.

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG016   T INSUFFICIENT SPACE BETWEEN FIELDS

Reason: The starting position of a field must be at least one space past the end of the previous field.

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG017   T INSUFFICIENT SPACE FOR LEADING NULLS

Reason: An SPD field, which is not the first field on a line and is not preceded by another SPD field, must have space ahead of it for three nulls, the defining attribute, and the designator character.

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG018   T SPD FIELD NOT ALL ON ONE LINE

Reason: An SPD field, and its defining attribute, must all be on one line of the display.

System Action: DFGR continues processing the statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG019   T FIELD OVERFLOWS DISPLAY

Reason: A field cannot be defined as extending beyond the end of the display.

System Action: DFGR bypasses the rest of the statements in the data stream until a /* statement is read. If using multiple input, DFGR bypasses statements until either a /* or another control card is read. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG020   T LAST POSITION ON DISPLAY NOT AVAILABLE

Reason: When data for the first field on the display starts in row 1, position 1, its attribute is placed in the last position on the display. The field now being defined must not overlay the position holding the attribute.

System Action: DFGR bypasses the rest of the statements in the data stream until a /* statement is read. If using multiple input, DFGR bypasses statements until either a /* or another control card is read. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG021   W CURSOR FIELD NOT DEFINED

Reason: The field named as the cursor field on the control statement must be defined by a field definition statement.

System Action: DFGR ignores the cursor/field name specified. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG022   T TOO MANY FIELDS

Reason: A maximum of 256 fields can be defined for a display format and a maximum of 200 input, output/input, and/or SPD fields can be defined for a display format.

System Action: DFGR bypasses the rest of the data stream until a /* statement is read. If using multiple input, DFGR bypasses statements until either a /* or another control card is read. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG023   W CURSOR FIELD IS PROTECTED

Reason: The field defined as the cursor field on the control statement must not be defined as a protected field.

System Action: DFGR ignores the cursor/field name specified and continues processing the statements. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG024   T ENTRIES UNDER MORE THAN ONE FIELD CLASS

Reason: Only one field class entry on the definition statement is allowed for a single field.

System Action: DFGR continues processing the statements but no display format will be built in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG025   T INVALID FIELD DEFINITION STATEMENT

Reason: All statements following the format control statement(s) and preceding the /* statement must be field definition statements and so defined by an F in column one.

System Action: DFGR continues processing statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG026   T TOO MANY FIELD ON A LINE WITH AN SPD FIELD

Reason: Any single line of display which contains an SPD field cannot contain a total of more than 15 field of any type(s).

System Action: DFGR continues processing statements for diagnosis of errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG027   I DISPLAY NOT GENERATED DUE TO ERROR

Reason: The display format being generated will not be built on disk if there were terminal errors during generation.

System Action: The message is followed by EOJ and no display format is built in the library. This display format is not built in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG028   T FIELD IN DISPLAY WHICH IS INVALID WITH SPD ATTENTION FIELD

Reason: A display containing an SPD attention field cannot contain input or output/input fields.

System Action: DFGR continues processing statements to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG029   W TWO DEVICES, OR DEVICE AND WCC, SPECIFIED

Reason: On the display control statement, it is only valid to specify either a write control character, printer, or screen. This is a warning that more than one was specified.

System Action: If screen was one of the devices specified, its control character will be the default value; otherwise, the printer's control character will be the default value. DFGR then continues processing the statements. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG030 T NO FIELDS DEFINED FOR DISPLAY

Reason: No field definition statements were received after a control statement and before the /* or another control statement.

System Action: DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG031 I WARNING ERROR OCCURRED DURING DISPLAY GENERATION

Reason: An error was encountered during the display format generation.

System Action: The message will be followed by a halt (CPU-F1 0 3), which allows the operator to decide whether or not to put the display format in the library.

CG032 T ERROR DURING FILE BUILD

Reason: An error occurred while trying to build the display on the $WORK file.

System Action: This display format is not built in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG033 T INSUFFICIENT CONTINUATIONS FOR DATA LENGTH

Reason: A field defined as having generation-time data did not have enough field definition statements to contain the defined length of data.

System Action: DFGR continues processing statements for diagnosis of errors, but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG034 W DUPING WITH NL/EM SPECIFIED ON CONTROL CARD

Reason: An NL/EM defining printer control was specified in the control card, and the line/partial-line duplication function (@@@DP) is also being used.

System Action: DFGR will duplicate the lines or fields specified, but any NL or EM orders specified in the control card will not be duplicated. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library. A halt is then given (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG035 T UNSUCCESSFUL $SOURCE ACCESS

Reason: An error occurred while attempting to read from or write to a $SOURCE file.

System Action: The message is followed by a halt (CPU-EE 0 3), which allows the operator to go to EOJ or retry accessing $SOURCE if multiple input.

CG036 T DUPING FIELDS ON FIRST LINE

Reason: A @@@DP card was read that specifies fields should be duped on the first line that is invalid.

System Action: DFGR bypasses the rest of the data stream until a /* statement is read. If using multiple input, DFGR bypasses statements until a /* or another control card is read. A halt is then given (CPU-EE 0 3) with options to continue or go to EOJ.

CG037 W DATA IN COLUMNS 32-71 IS IGNORED WHEN DATA SOURCE E IS SPECIFIED

Reason: Execution time data has been specified as the data source and data is provided in columns 32-71.

System Action: The data in columns 32-71 is ignored. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG038 W INVALID US/WORLD TRADE DECIMAL OPTION

Reason: Column 21 of the header card contains a character other than an I or a blank.

System Action: US format for numeric edit options is assumed. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

CG039 T INVALID DECIMAL LOCATION SPECIFIED

Reason: The decimal location given in column 24 either is not a numeric value between 0 and 9 or is greater than the field length.

System Action: DFGR continues processing the statement to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG040 T INPUT NUMERIC EDIT FIELD LENGTH IS GREATER THAN 15

Reason: A decimal location was given in column 24 to indicate input numeric edit, but the field length is greater than 15.

System Action: DFGR continues processing the statement to diagnose errors but does not build a display format in the library. DFGR gives a halt (CPU-EE 0 3) with options to continue, if multiple input, or go to EOJ.

CG041 W DECIMAL LOCATION MAY NOT BE SPECIFIED FOR THIS FIELD TYPE

Reason: A decimal location was defined in column 24 for an output or selector pen detectable field type. The field type is input or output/input but was not defined as numeric.

System Action: The decimal location in column 24 is ignored. At the end of processing, if no terminal errors occurred, the operator can decide whether or not to put the display format in the library.

Assignment List Messages

These messages are issued at assignment list time to inform the user of invalid specifications of operands in the assignment list control statement.

The actual format of the message is as follows:

Positions 1-5: Message number

Position 7: T, W, or I.
T - *Terminal* — Indicates an error was found in a statement of this assignment list; this list will not be processed by the assignment list program.

W - *Warning* — Indicates an error was detected; the statement is not processed and the next statement is read.

I - *Information* — Indicates information only.

Positions 10-89: Message

Example

CL001   T $CCPFILE NOT INITIALIZED

The following is a list of the message numbers and messages associated with the assignment list control statements:

CL001   T $CCPFILE NOT INITIALIZED

   Reason: The configuration record in $CCPFILE has been destroyed.

   System Action: The statements are read through to the /* statement and then to the end of job, but are not processed.

   Recovery: Run $CC1BF (part of Generation).

CL002   W DUPLICATE KEYWORD

   Reason: The same keyword appears twice on one statement.

   System Action: The statement is not processed and the next statement is read.

   Recovery: Correct the error and try again.

CL003   W INVALID KEYWORD

   Reason: An invalid keyword appears on the statement.

   System Action: The statement is not processed and the next statement is read.

   Recovery: Correct the error and try again.

CL004   W INVALID DELIMITER

   Reason: A comma or blank does not follow a valid keyword or parameter.

   System Action: The statement is not processed and the next statement is read.

   Recovery: Correct the error and try again.

CL005   W INVALID KEYWORD PARAMETER

   Reason: The parameter following the valid keyword is not valid for that keyword.

   System Action: The statement is not processed and the next statement is read.

   Recovery: Correct the error and try again.

CL006   W INVALID IDENTIFIER IN COL'S 1-3

   Reason: The first three positions do not contain //b̸.

   System Action: The statement is not processed and the next statement is read.

   Recovery: Correct the error and try again.

CL007   W INVALID STATEMENT IDENTIFIER

   Reason: The statement is not // LIST.

   System Action: The statement is not processed and the next statement is read.

   Recovery: Correct the error and try again.

General

CL008 W SET ID NOT FOUND

Reason: This set is not in this $CCPFILE.

System Action: The statement is not processed and the next statement is read.

Recovery: Correct the error and try again.

CL009 W SET HAS NO REQUEST COUNT

Reason: A request count is specified for a set that does not have request counts.

System Action: The statement is not processed and the next statement is read.

Recovery: Correct the error and try again.

CL010 T CCP BEING RUN IN OTHER LEVEL

Reason: The other programming level in a DPF system is running a CCP or a CCP-related program.

System Action: The statements are read through to the /* statement and then to the end of job, but are not processed.

Recovery: Wait until the job in the other programming level has completed, then run assignment list.

CL011 I THIS $CCPFILE CONTAINS NO SETS

Reason: This informational message is given when $CCPAL is run with a request to list all the sets and there are no sets in the $CCPFILE requested. They are not assigned or are all deleted.

System Action: Read the next statement.

Recovery: None.

Model 15 (Program Number 5704-SC2):

CL012 T $CCPAL CONFLICTS WITH ANOTHER CCP PROGRAM

Reason: To run the assignment list program, the other partitions cannot have CCP startup, shutdown, shutdown pending, assignment build program, or another assignment list program running. $CCPAL also will not run if CCPFMT or CCPPGM is updating the same $CCPFILE.

System Action: The statements are read but are not processed.

Recovery: None.

File Close/Open Facility Messages

CL1   FILE'******'CLOSED

Reason: The file was successfully closed.

Recovery: None.

CL2   FILE NAME MISSING OR INVALID

Reason: The filename specified in the close request is
not known to CCP.

Recovery: Check CCP Startup OCL or assignment set for
the correct filename, and reenter the close request.

CL3   FILE IN USE BY $\begin{Bmatrix} CCP \\ PARTITION \end{Bmatrix} \begin{Bmatrix} - \\ 1 \\ 2 \\ 3 \end{Bmatrix}$

Reason: The file specified cannot be closed because it is
currently being accessed or queued for use by CCP or
another partition. A dash indicates the file is being
used as an input only file in another partition.

Recovery: Retry the close request when the file is no
longer in use.

CL4 $\begin{Bmatrix} \$INDEX\ 44 \\ \$INDEX\ 45 \end{Bmatrix}$ OCL MISSING

Reason: The indexed file specified in the close request
requires key sorting but the appropriate work file
OCL statement was not included in the startup OCL.

Recovery: 0 — Proceed with close processing.
           2 — Ignore the close request.

CL5   I/O ERROR CLOSING FILE'******'

Reason: A permanent I/O error occurred wile sorting
the index of the file '******'. The file is closed but
the index can no longer be used.

Recovery: None. Following CCP shutdown, the file can
be accessed sequentially.

CL6 $INDEX40 OR $INDEX45 TOO SMALL

Reason: $INDEX40 or $INDEX45 file was specified
but the file is not large enough to be used during
the key sort.

Recovery: 0 — The keys will be sorted using the main
               storage available.
           2 — Ignore the key sort request.

OP1   FILE'******'OPENED

Reason: The file has been successfully opened.

Recovery: None.

OP2   FILE NAME MISSING OR INVALID

Reason: The filename specified in the open request is
not known to CCP or the file is being closed by
$CCPCL.

Recovery: Check CCP Startup OCL or assignment set for
the correct name, and reenter the OPEN request or
retry after $CCPCL quits running.

OP3   FILE'******'CANNOT BE OPENED

Reason: A permanent I/O error occurred during file
close, causing the file to be unusable.

Recovery: None. Following CCP SHUTDOWN, the file
can be accessed sequentially.

Printer Format Generator Diagnostic Messages

During its processing, the PFGR (printer format generator routine) diagnoses errors in the printer format specifications and logs diagnostic messages on the system logging device. The messages consist of a message number followed by a severity code and message text. The severity codes are:

T - *Terminal* -- The PFGR does not build the printer format in the object library, but may continue to diagnose the remaining specifications. PFGR continues with the next format if multiple input is used and the operator chooses to continue.

W - *Warning* -- If there are no terminal errors in the specifications, the PFGR allows the system operator to choose whether or not to place the format in the object library. The PFGR could assign a default value to the specification in error.

I - *Information* -- When terminal or warning messages have been issued, the PFGR issues these messages as the final diagnostics.

Note: Because PFGR uses the overlay linkage editor to put formats into the object library, it is possible to get overlay linkage editor halts during PFGR processing.

CP001   T INVALID CONTROL STATEMENT

Reason: The first statement of data stream must be a control statement identified by an H in column 1.

System Action: The PFGR bypasses the rest of the statements in the data stream until a /* statement or another control card is read. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP002   T INVALID PRINTER NAME

Reason: The first two characters of the printer name must be $Z. The remainder of the characters in the name can be any character set (no imbedded blanks allowed).

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP003   T INVALID PRINTER SIZE

Reason: A 1, 2, or blank must be specified for printer size. A blank is the same as specifying 1 for printer size.

System Action: The PFGR bypasses the remainder of the statements in the data stream until a /* statement or another control card is read. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP004   T INVALID LINE LENGTH

Reason: The line length must be a number from 001 to the platen length specified on the printer control statement (no imbedded blanks allowed).

System Action: The PFGR bypasses the remainder of the statements in the data stream until a /* statement or another control card is read. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP005   T INVALID NUMBER OF LINES PER PAGE

Reason: The number of lines per page must be from 01 to 99, or if left blank, the default is 66 lines per page.

System Action: The PFGR bypasses the remainder of the statements in the data stream until a /* statement or another control card is read. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP006   T INVALID PLATEN LENGTH

Reason: A 1, 2, 3, or blank must be specified for the platen length. A blank is the same as specifying 3 for platen length.

System Action: The PFGR bypasses the remainder of the statements in the data stream until a /* statement or another control card is read. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP007   T INVALID CONTINUATION

Reason: Failure to meet one of the following conditions:

1. A continuation cannot be specified for a field having SOURCE-E.

2. A continuation cannot be specified when the data length is not sufficient to warrant it.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP008   T INVALID DISK STORAGE UNIT

Reason: The unit specified for output is not an available unit.

System Action: PFGR assigns the program packs as the default output unit and continues processing. If no terminal errors occurred. PFGR gives a halt (CPU-P1 0 3) with options to put the printer format in the library and either continue or go to EOJ.

CP009   T DUPLICATE FIELD NAME

Reason: Two or more fields having SOURCE-E in the same printer format cannot have the same name.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP010   T INVALID FIELD LOCATION

Reason: The line/position address of the field is not a valid address on the format being generated. The line value cannot be greater than either the *lines per page* entry, and the position value cannot be greater than the *line length* entry on the printer control statement. No imbedded blanks are allowed.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP011   T INVALID FIELD LENGTH

Reason: The length specified must be a valid number from 01 to the line length value specified on the printer control statement (fields cannot overlap lines). No imbedded blanks are allowed).

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP012   W INVALID FIELD NAME

Reason: The field name can start with alphabetic characters or one of three special characters (#, $, and @). The remainder of the characters in the name must be members of the 39-character set. No imbedded blanks are allowed.

System Action: The PFGR continues processing. If no terminal errors occur, PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP013   T INVALID DATA SOURCE OPTION

Reason: An E, F, G, or a blank must be specified for data source option. A blank is the same as specifying G for the data source option.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP014   T INVALID MULTIPLE PAGES ENTRY

Reason: Either an X or a blank must be specified for multiple pages entry.

System Action: The PFGR bypasses the remainder of the statements in the data stream until a /* statement or another control statement is read. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP015   T INSUFFICIENT SPACE BETWEEN FIELDS

Reason: The starting position of a field must be past the end of the previous field.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP016   T INVALID VERTICAL FORMS FEED ENTRY

Reason: Either an X or a blank must be specified for vertical forms feed entry.

System Action: The PFGR bypasses the remainder of the statements in the data stream until a /* statement or another control statement is read. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP017   T FIELD OVERFLOWS DISPLAY

Reason: The 3270 buffer used to contain all fields defined is full.

System Action: The PFGR bypasses the remainder of the statements in the data stream until a /* statement or another control statement is read. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP018   T DATA IN RESERVED AREA AFTER CONTINUATION

Reason: Columns 2 through 17 cannot be used when the statement follows a statement with continuation indicated.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP019   T INVALID REPEAT LAST CHARACTER ENTRY

Reason: Either an X or a blank must be specified for the repeat last character entry.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP020   T TOO MANY FIELDS

Reason: The total number of fields with SOURCE-E cannot exceed 256.

System Action: The PFGR bypasses the remainder of the statements in the data stream until a /* statement or another control statement is read. PFGR gives a halt (CPU-PP 0 3) with options to continue, if multiple input, or go to EOJ.

CP021   T INVALID FIELD DEFINITION STATEMENT

Reason: All field definition statements must contain an L in column 1.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP022   I DISPLAY NOT GENERATED DUE TO ERROR

Reason: The printer format being generated will not be built on disk if there were terminal errors during generation.

System Action: This printer format is not built in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP023   T NO FIELDS DEFINED FOR DISPLAY

Reason: No valid field definition statements were received after a control statement and before the /* or another control statement.

System Action: This printer format is not built in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP024   T INSUFFICIENT CONTINUATIONS FOR DATA LENGTH

Reason: A field defined as having data SOURCE-G did not have enough field definition statements to contain the defined length of data.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP025   T FIELD OVERFLOWS LINE

Reason: The field defined extends beyond the line on which it was defined. Fields cannot overlap lines.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP026   W DATA IN RESERVED AREA

Reason: Data was specified in a reserved area.

System Action: PFGR continues processing. If no terminal errors occurred, PFGR gives a halt (CPU-P1 0 3) with options to either put the printer format in the library and continue, or go to EOJ.

CP027   T REPEAT LAST CHARACTER WITH EXECUTION DATA

Reason: The last character cannot be repeated when using data SOURCE-E.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP028   T INVALID ENTRY FOR FORMS FEED STATEMENT

Reason: Columns 8 through 17 must be left blank on the forms feed statement (@@@FF).

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP029   T @@@FF WITHOUT MULTIPLE PAGES INDICATED

Reason: A request was made to eject to a new page, but multiple pages were not indicated.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP030   T LINE 1 POS 1 NOT VALID AFTER FORMS FEED

Reason: Line 1 position 1 of the printer is used by the printer after a forms feed command. This occurs when the printer ejects to the next page and vertical forms feed is specified.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP031   T UNSUCCESSFUL $SOURCE ACCESS

Reason: An error occurred during an attempt to read from or write to a $SOURCE file.

System Action: The printer format is not built in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP032   T INVALID DUPLICATION STATEMENT

Reason: An invalid entry was made on a duplication statement (@@@DP).

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP033   T DATA IN RESERVED AREA ON @@@DP
STATEMENT

Reason: Columns 16 through 31 and column 72 must be left blank on a duplication statement (@@@DP).

System Action: The PFGR continues processing statements to diagnose error, but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP034   T INVALID KATAKANA OPTION ENTRY

Reason: Either an X or a blank must be specified for the Katakana option entry.

System Action: The PFGR continues processing statements to diagnose errors but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP035   T INVALID ENTRY ON PRINT/NO-PRINT
OPTION

Reason: Either a P, N, or a blank must be specified for the print/no-print option entry.

System Action: The PFGR continues processing statements to diagnose errors, but does not build a format in the library. PFGR then gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

CP036   I WARNING ERROR DURING PRINTER
FORMAT GENERATION

Reason: An error was encountered during the printer format generation.

System Action: PFGR gives a halt (CPU-P1 0 3) with options to either put the printer format in the library and continue, or go to EOJ.

CP037   T ERROR OCCURRED DURING FILE BUILD

Reason: An error occurred during an attempt to build the printer format on the $WORK file.

System Action: The printer format is not built in the library. PFGR gives a halt (CPU-PP 0 3) with options to either continue (if multiple input), or go to EOJ.

Main Storage Dump to Printer Program Messages

DD001   PROGRAM 'xxxxxx' RUNNING IN OTHER LEVEL

Reason: A mutually exclusive program is running in another level.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator.

DD002   CONTROL CARD FORMAT INCORRECT

Reason: There is an error in the control card format.

Recovery: If the CCP is running, $CCPDD goes to EOJ after this message. In batch mode, the control card may be corrected and retried.

DD003   INCORRECT HEADER FOR DUMP #ᵇᵇ

Reason: Either the specified dump file is bad, or pointers are destroyed.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator.

DD004   INCORRECT HEADER FOR $CCPDUMP FILE

Reason: An invalid directory header was encountered for the $CCPDUMP file.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator.

DD005   TCB ATRS GREATER THAN SYSTEM SIZE. TRY 'CEFE' OR 'FULL' OPTION

Reason: The TCB ATRs are not correct.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator. Reexecute $CCPDD with the CEFE or FULL option.

DD006   NO DUMPS IN $CCPDUMP FILE

Reason: The $CCPDUMP file has no dumps.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator.

DD007   DUMP #ᵇᵇ NOT IN $CCPDUMP FILE

Reason: The specified dump is not in the $CCPDUMP FILE.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator.

DD008   TCB CHAIN DESTROYED. TRY 'CEFE' OPTION

Reason: TCBs are not chained correctly.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator. Reexecute $CCPDD with the CEFE option to get a dump, and check the TCB chain.

DD009   TCB ID AND DUMP HEADER DO NOT AGREE. TRY 'CEFE' OPTION

Reason: TCBID cannot be found for this dump.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator.

DD00A $CCPDD ALREADY RUNNING UNDER CCP

Reason: An attempt was made to run $CCPDD in more than one CCP task.

Recovery: None. $CCPDD goes to EOJ after this message is issued to the operator.

Model 15 (Program Number 5704-SC2):
DD00B $CCPDUMP FILE CLEARED OF ALL DUMPS

Reason: The 'CL' option was specified for this load of
$CCPDD.

Recovery: None. $CCPDD goes to EOJ after this
message is issued to the operator.

Model 15 (Program Number 5704-SC2):
DD00C   DISK READ/WRITE ERROR

Reason: A disk error occurred during reading or writing
to the $CCPDUMP file.

Recovery: None. $CCPDD goes to EOJ after this
message is issued to the operator.

Model 15 (Program Number 5704-SC2):
DD00D   DUMP #0 NOT ALLOWED

Reason: Dump #0 has been selected, but the $CCPDUMP
file cannot hold that many dumps.

Recovery: None. $CCPDD goes to EOJ after this
message is issued to the operator.

Model 15 (Program Number 5704-SC2):
DD00E   TRACE MODULE $CCPD1 NOT FOUND

Reason: $CCPD1 was not found on the CCP execution
pack.

Recovery: $CCPDD goes to EOJ after this message is
issued to the operator. Copy $CCPD1 from the CCP
distribution pack to the CCP execution pack.

Model 15 (Program Number 5704-SC2):
DD00F   TRACE NOT ACTIVE FOR DUMP '00'

Reason: In storage, trace was not active when this
dump was taken.

Recovery: None. $CCPDD goes to EOJ after this
message is issued to the system operator.

Model 15 (Program Number 5704-SC2):
DD01A $CCPDUMP FILE NOT FOUND

Reason: $CCPDUMP file has not been built.

Recovery: None. $CCPDD goes to EOJ after this
message is issued to the system operator. See the
*IBM System/3 Model 15 Communications Control
Program Reference Manual*, GC21-7620 for details
on building the $CCPDUMP file.

General

Trace Table or Main Storage Dump to Printer Program Messages

DP010   PERMANENT DISK ERROR

Reason: A 5444 disk error occurred while reading from the disk containing $CCPFILE.

Recovery: 2 — Controlled cancel.

DP011 $CCPDD TERMINATED

Reason: This message indicates that a 2 option was taken in response to some other halt.

Recovery: None.

DP012   DUMP NUMBER TOO LARGE

Reason: The n value of the DUMP n input is larger than the maximum dump value in $CCPFILE (less than or equal to nine).

Recovery: 1 — Reenter the DUMP n command using a correct value for n.
2 — Controlled cancel.

DP013   CORE DUMP n FINISHED

Reason: This message occurs at the completion of one main storage dump.

Recovery: None.

DP014   TRACE TABLE DUMP FINISHED

Reason: This message occurs at the end of the trace table dump.

Recovery: None.

DP015   ALL CORE DUMPS FINISHED

Reason: All main storage dumps as requested by the DUMP ALL command are printed.

Recovery: None.

DP016   INVALID DUMP CONTROL RECORD

Reason: The dump control record entered from SYSIN was not of the format // DUMP---.

Models 4, 8, 10, and 12:
Recovery: 1 — Reenter the command.
2 — Controlled cancel.

Model 15:
0 — Read next control statement.
3 — Cancel.

DP017   INVALID $CCPFILE CHECK CHARACTERS

Reason: The first 2 bytes of the first sector of $CCPFILE did not verify correctly.

Models 4, 8, 10, and 12:
Recovery: 2 — Controlled cancel and refer to message number SU014 INITIALIZE $CCPFILE WITH PROGRAM $CC1BF AND ENTER ASSIGNMENT SETS.

Model 15:
3 — Cancel and refer to message number SU014 INITIALIZE $CCPFILE WITH PROGRAM $CC1BF AND ENTER ASSIGNMENT SETS.

DP018   EXTENT ERROR ON $CCPFILE

Reason: An attempt was made to access data outside the boundaries of $CCPFILE. This could mean that the directory sector of $CCPFILE is no longer valid.

Recovery: 2 — Controlled cancel and refer to message number SU014 INITIALIZE $CCPFILE WITH PROGRAM $CC1BF AND ENTER ASSIGNMENT SETS.

Models 4, 8, 10, and 12:
DP019 $CCPDD PROGRAM CANCELLED

Reason: $CCPDD cannot run at this time because either assignment or CCP is currently running in the opposite level of a DPF system or some CCP program was previously running and did not do a controlled cancel.

Recovery: If a prior CCP program did not do a controlled cancel, perform system IPL again and restart the program.

Model 15:

DP019 PROGRAM CANCELED, $\begin{bmatrix} \$CCP \\ \$CCPAS \\ \$CC1BF^1 \end{bmatrix}$ RUNNING IN OTHER PARTITION

Reason: This message indicates that $CCPDD cannot run at this time because either assignment or CCP is currently running in the opposite program partition or some CCP program was previously running and did not do a controlled cancel.

Recovery: 3 – Cancel. If a prior CCP program did not do a controlled cancel, perform system IPL again and restart the program.

DP020 ERROR WHILE READING FROM SYSIN

Reason: An error occurred while reading input from SYSIN.

Models 4, 8, 10, and 12:
Recovery: 1 – Retry.
2 – Controlled cancel. If the problem persists call your IBM customer engineer for hardware assistance.

Model 15:
0 – Continue.
3 – Cancel. If the program persists call your IBM customer engineer for hardware assistance.

DP021 SELECTED DUMP DATA INVALID, NOT FROM MOST RECENT RUN OF CCP

Reason: The dump number selected specified a dump area that does not contain valid data.

Models 4, 8, 10, and 12:
Recovery: 1 – Retry using another value for nn.
2 – Controlled cancel.

Model 15:
0 – Continue.
3 – Cancel.

DP022 LOWER CORE VALUE TOO LARGE FOR THIS SYSTEM

Reason: The lower main storage address (start address) in the DUMP n control record is larger than the maximum main storage size of this system.

Recovery: 1 – Retry.
2 – Controlled cancel.

DP023 $CCPDD PROGRAM FINISHED

Reason: $CCPDD has read a /* from SYSIN and has gone to normal end of job.

Recovery: None.

DP024 NO DISK TRACE TABLE

Reason: No disk trace table found in the specified $CCPFILE.

Recovery: 1 – Retry with correct $CCPFILE.
3 – Cancel.

DP025 NO DISK CORE DUMPS PRESENT

Reason: No disk main storage dumps found in the specified $CCPFILE.

Models 4, 8, 10, and 12:
Recovery: 1 – Retry with correct $CCPFILE.
3 – Cancel.

Model 15:
0 – Bypass this statement.
3 – Cancel.

DP026 HIGHER CORE VALUE TOO LARGE FOR THIS SYSTEM

Reason: The specified main storage value exceeds size of the system.

Recovery: 3 – Cancel.

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[1]5704-SC1 only

Model 15 (Program Number 5704-SC1):

DP027 $\left\{\begin{array}{l} \text{SUP} \\ \text{CCP} \\ \text{USER} \end{array}\right\}$ CORE DUMP nn mm/dd/yy

Model 15 (Program Number 5704-SC2):

DP027   FILE SHARE AREA SEGMENT NUMBER-xx

Reason: Information: the specified dump follows
immediately.

Recovery: None.

Display Format Test Routine Diagnostic Messages

During execution, the display format test routine ($CCPDT) diagnoses error conditions and logs diagnostic messages on the system printer. The messages consist of a message number followed by a severity code and message text. The severity codes are:

W - *Warning* — If the input data received from the SYSIN device is not in the correct form, a message indicating why is printed. Also, if the format is not on the program pack, a warning message is printed.

I - *Information* — The message tells the user why requests were rejected, and the type of attention identification (AID) received from the terminal.

DT010   W INVALID OPTION ENTERED

> *Reason:* The options that can be entered are A, B, C, D, and E.

> *System Action:* $CCPDT returns to SYSIN to read another option.

DT011   W BLANK NOT FOUND BETWEEN PARAMETERS

> *Reason:* A blank must separate parameters.

> *System Action:* $CCPDT returns to SYSIN to read another option.

DT012   I REVERSE INTERRUPT WAS RECEIVED

> *Reason:* The terminal received a reverse interrupt in response to polling and addressing.

> *System Action:* The $CCPDT reads the status of the display and prints it on the system printer; then retries the request.

DT013   W STATION DID NOT RESPOND TO POLLING AND ADDRESSING

> *Reason:* The wrong poll and address characters were entered.

> *System Action:* $CCPDT returns to SYSIN to read another option.

DT014   I REMOTE STATION DOES NOT RESPOND TO ATTEMPTED DATA TRANSFER

> *Reason:* Remote station responded to polling and addressing but the request for data transfer is not accepted (possible hardware problem).

> *System Action:* $CCPDT returns to SYSIN to read another option.

DT015   I INCORRECT DATA RECEIVED

> *Reason:* Data check occurred during transfer of data (possible modem of line problem).

> *System Action:* $CCPDT returns to SYSIN to read another option.

DT016   I SENSE/STATUS BYTES INDICATE _____

> *Reason:* This message is printed on the system printer when a request is issued to the 3270 and it is locked with status information. The type of status is put in the blank line. The types are: UNIT SPECIFY, TRANSMISSION CHECK, COMMAND REJECT, INTERVENTION REQUIRED, EQUIPMENT CHECK, DATA CHECK, CONTROL CHECK, and OPERATION CHECK.

> *System Action:* $CCPDT returns to SYSIN to read another option.

> *Note:* For a description of the status information, refer to the *IBM 3270 Information Display System Component Description,* GA27-2749.

DT017   W FORMAT NAME MUST BEGIN WITH $Z

> *Reason:* The first two characters of the format name must begin with $Z.

> *System Action:* $CCPDT returns to SYSIN to read another option.

DT018   I PROGRAM INTERVENTION CAUSED
BY_____

Reason: Data is entered at the terminal and a program
intervention is caused by a PF key, a PA key, the
CLEAR key, and the ENTER key. The blank line is
filled when a program intervention is received.

System Action: $CCPDT returns to SYSIN to read
another option.

DT019   W FORMAT NAME WAS NOT ON PROGRAM
PACK

Reason: The format must be on the same pack from
which $CCPDT is loaded.

System Action: $CCPDT returns to SYSIN to read
another option.

DT020   W INVALID FORMAT NAME

Reason: The format name must be at least three charac-
ters and not more than six characters long.

System Action: $CCPDT returns to SYSIN to read
another option.

DT021   W INVALID ADDRESS SPECIFIED

Reason: The address specified is not a valid 3270 address.

System Action: $CCPDT returns to SYSIN to read
another option.

DT022   W MUST POLL TERMINAL THAT
RECEIVED FORMAT

Reason: The last two characters of the poll characters
must be the same as the last two characters of the
address characters, so that the terminal that received
the format will be the one that gets polled.

System Action: $CCPDT returns to SYSIN to read
another option.

General

Keysort Messages

KS1   BEGIN KEY SORT/MERGE- '********'

Reason: Start of keysort or merge for the file specified.

Recovery: None.

KS2   FILE '********' IN USE BY $\begin{Bmatrix} CCP \\ PARTITION \end{Bmatrix} \begin{Bmatrix} 1 \\ 2 \\ 3 \end{Bmatrix}$

Reason: The file specified cannot be sorted because it is currently being accessed or queued for use by CCP or another partition. A dash indicates the file is being used as an input only file in another partition.

Recovery: The file will be sorted after all usage on the file is complete.

KS3 $INDEX40 or $INDEX45 OCL MISSING

Reason: The indexed file specified requires key sorting but the appropriate work file OCL statement was not included in the startup OCL.

Recovery: 0 — Proceed. The sort may take longer without the added work space.
2 — Ignore the key sort request.

KS4   I/O ERROR KEY SORTING FILE '********'

Reason: A permanent I/O error occurred while sorting the index of the file '********'. The file is closed but the index can no longer be used.

Recovery: None. Following CCP shutdown the file can be accessed sequentially.

KS5 $INDEX40 OR $INDEX45 TOO SMALL

Reason: $INDEX40 or $INDEX45 file was specified but the file is not large enough to be used during the key sort.

Recovery: 0 — The keys will be sorted using the main storage available.
2 — Ignore the key sort request.

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Disk File Recovery Program Messages

RB001 *ERROR* INCORRECT OCL

Reason: Missing FILE statement for $CCPFILE or more than one FILE statement.

System Action: Job is terminated.

RB002 *ERROR* DISK I/O ERROR

Reason: Disk I/O error while the system was processing the last file logged.

System Action: Processing of this file is terminated and the next open file is processed.

RB003 NO CCP FILES WERE OPEN

Reason: No CCP files were open.

System Action: Job is terminated.

RB005 *ERROR* INVALID REQUEST

Reason: Response to message RB006 must be either CLOSE or ADD.

System Action: Message RB006 is reissued.

RB006 CONSECUTIVE FILE FOUND OPEN

Reason: A file being processed as consecutive add was found open.

System Action: User selectable. Valid replies are CLOSE and ADD.

Startup

SU001   SYSTEM/3 CCP

Reason: This is the first message issued upon initiation of CCP. It tells you that CCP initiation has started.

Recovery: None.

SU002 $CCPFILE ON UNIT**

Reason: This message tells you the standard default unit from which $CCPFILE information will be used.

Recovery: None.

SU003   DEFAULT SET = *

Reason: $CCPFILE was found to have the designated ID validly assigned as the default set on the unit that the operator selected using either the default or an explicit specification.

Recovery: None.

SU004   SPECIFY UNIT FOR $CCPFILE

Reason: The unit from which CCP was initiated does not contain $CCPFILE; therefore, you must specify the unit that does contain the file.

Recovery: Enter the disk unit (R1, F1, R2, or F2) to select the unit where $CCPFILE can be found.

SU005   *ERROR* SYSTEM IS NOT ABLE TO SUPPORT CCP OPERATION

Reason: You are attempting to start CCP on a system that was not generated to support CCP.

Recovery: Verify that the correct DSM system was generated and loaded (IPL).

SU006   CANNOT START CCP EXECUTION WHILE PROGRAM ***** IS EXECUTING

Reason: Certain programs cannot be running in the non-CCP partition during CCP startup.

Recovery: Wait until the program in the other partition reaches end of job before attempting CCP startup.

SU009   *ERROR* INVALID RESPONSE

Reason: CCP is unable to recognize your response.

Recovery:

Model 4:
Perform one of the following depending on whether or not the READY KEYBD light is on.

On — Enter the correct information. CCP assumes that the error is obvious and is waiting.

Off — Wait for another message from CCP explaining what the error was or what should be done to correct the error.

Models 8, 10, and 12:
Perform one of the following depending on whether or not the PROCEED light is on.

On — Enter the correct information. CCP assumes that the error is obvious and is waiting.

Off — Wait for another message from CCP explaining what the error was or what should be done to correct the error.

Model 15:
None. Another message will be issued.

Models 8, 10, and 12:

SU010 *ERROR* OTHER PROGRAM LEVEL
ACTIVE

Reason: The non-CCP program level on a DPF system
was active when you attempted to start CCP.

Recovery: End the job in the other program level or
wait for the EJ halt to appear in the other level mes-
sage display unit before starting CCP.

Model 15:

SU010 CANNOT START CCP EXECUTION
IN EQUAL PRIORITY PARTITION

Reason: You attempted to start CCP execution in an
equal priority partition.

Recovery: Startup CCP in a partition that is not an
equal priority partition.

SU011 ANY SPECIFICATIONS?

Reason: This message is asking you if there are any
changes to the standards previously printed.

Recovery: Perform one of the following:
 — If no specifications are to be given, press N, NO, or:
  Model 4, PROG START
  Models 8, 10, and 12, END
  Model 15, ENTER
 CCP will continue.
 — Enter Y or YES to change specifications by having
  CCP ask you questions.
 — Enter specifications as keywords. One keyword
  may be entered on each input line.

Keyword	Value
UNIT—	Unit for $CCPFILE
LOG—	Unit for $CCPLOG (Model 4)
CHANGE—	Yes or no
MAXEUP—	Maximum number of user programs (Models 4, 8, 10, and 12)
MINUPA—	Minimum user program area
MINTPBUF—	Minimum T/P buffer area
PASSWORD—	CCP sign-on password
SET—	ID character
TRACEBLK—	Size of in-storage CCP trace table: Nonzero value sets disk trace on (Models 4, 8, 10, and 12)
TRACEMLTA—	T/P activity: Enter a specific line number or A, for all lines (Models 10, 12, and 15)
TRACEBSCC—	T/P activity: Enter a specific line number (3, 4) or A (for both lines) (Model 15, Program Number 5704-SC2)
BSCCBLK—	Size of resident CCP BSCC trace table. Values range from 1 to 24, designating the number of 256-byte blocks allocated (Model 15, Program Number 5704-SC2)
CANCEL	No value allowed
SUPPRESS	No value allowed
OFFLINE	No value allowed
TRACEMLMP	No value allowed

Following keyword input, press one of the follow-
ing keys, without any keyed input, to signal CCP
to continue beyond this point:
  Model 4, PROG START
  Models 8, 10, and 12, END
  Model 15, ENTER

The N, NO, Y, or YES responses become invalid
once a keyword is entered.

SU012 *ERROR* INCOMPATIBLE USE OF DUAL PROGRAMMING FEATURE

Reason: This message is issued because either disk system management was generated for DPF and CCP was not, or vice versa. Both must use DPF or both must not use DPF.

Recovery: Inform the system manager of the incompatibility. It will be necessary to generate one to match the other.

SU013 *ERROR* $CCPFILE INFORMATION INVALID

Reason: The file, $CCPFILE, does not now contain valid information that should have been entered by $CCPAS.

Recovery: Perform the following:

1. Scratch $CCPFILE, using $DELET.

2. Initialize $CCPFILE using $CC1BF and $CCPAS, or restart CCP with a valid and different $CCPFILE unit specification.

3. Inform the system manager that this message occurred. If the $CCPFILE chosen was expected to be valid, determine how the valid information was written into this particular file to prevent its reoccurrence. The programmer may want to work with the system manager in determining what has destroyed a portion of this file.

SU014 INITIALIZE $CCPFILE WITH PROGRAM $CC1BF AND ENTER ASSIGNMENT SETS

Reason: This message tells you how to recover from message SU013 *ERROR* $CCPFILE INFORMATION INVALID.

Recovery: Perform the following:

1. Scratch $CCPFILE, using $DELET.

2. Initialize $CCPFILE using $CC1BF and $CCPAS, or restart CCP with a valid and different $CCPFILE unit specification.

3. Inform the system manager that this message occurred. If the $CCPFILE chosen was expected to be valid, determine how the invalid information was written into this particular file to prevent its reoccurrence. The programmer may want to work with the system manager in determining what has destroyed a portion of this file.

SU015 *ERROR* NO ASSIGNMENT SETS IN $CCPFILE

Reason: The $CCPFILE you used was initialized with the program $CC1BF, but no assignment set was entered in the file by $CCPAS.

Recovery: Perform the following:

1. Enter an assignment set into the chosen $CCPFILE using the program $CCPAS.

2. Tell the system manager that if an assignment set has not been defined, one or more assignment sets must be defined.

SU020 DEFAULT SET NOT ASSIGNED

Reason: The default set facility which allows CCP to select a particular set in lieu of any other specification was not chosen.

Recovery: None.

SU025   ANY TEMPORARY ASSIGNMENT CHANGES?

Reason: This message is asking you if there are any temporary assignment changes. Changes made now are valid only for this run.

Recovery: Perform one of the following:
- If there are no changes to be made, press N, NO, or:
   Model 4, PROG START
   Models 8, 10, and 12, END
   Model 15, ENTER
   CCP will continue.
- Enter Y or YES or make temporary assignment changes by having CCP ask you questions.
- Enter specifications as keywords. One keyword may be entered on each input line:

Keyword	Value
LOG—	Unit for $CCPLOG (Model 4)
MAXEUP—	Maximum number of user programs (Models 4, 8, 10, and 12)
MINUPA—	Minimum user program area
MINTPBUF—	Minimum T/P buffer area
PASSWORD—	CCP sign-on password
SET—	ID character
TRACEBLK—	Size of in-storage CCP trace table: Nonzero value sets disk trace on (Models 4, 8, 10, and 12)
TRACEMLTA—	T/P activity: Enter a specific line number or A, for all lines (Models 10, 12, and 15)
TRACEBSCC—	T/P activity: Enter a specific line number (3, 4) or A (for both lines) (Model 15, Program Number 5704-SC2)
BSCCBLK—	Size of resident CCP BSCC trace table. Values range from 1 to 24, designating the number of 256-byte blocks allocated (Model 15, Program Number 5704-SC2)
SUPPRESS	No value allowed
OFFLINE	No value allowed
TRACEMLMP	No value allowed

Following keyword input, press one of the following keys, without any keyed input, to signal CCP to continue beyond this point:
   Model 4, PROG START
   Models 8, 10, and 12, END
   Model 15, ENTER

The N, NO, Y, or YES responses become invalid once a keyword is entered.

SU035   UNLESS CHANGED, SET "*" USED

Reason: This message tells you the identification character of the default set.

Recovery: None.

SU040   SELECT SET ID FROM LIST:

Reason: This message tells you the set identification characters.

Recovery: Perform one of the following:
- If you choose the default set, press:
   Model 4, PROG START
   Models 8, 10, and 12, END
   Model 15, ENTER
- Enter a one-character set identification character from the list; then press:
   Model 4, PROG START
   Models 8, 10, and 12, END
   Model 15, ENTER

SU045   ANY CHANGES TO SET '*'?

Reason: This message gives you the opportunity to enter changes to a particular set after having selected that set.

Recovery: Perform one of the following:
- If there are no changes to be made, press N, NO, or:
  Model 4, PROG START
  Models 8, 10, and 12, END
  Model 15, ENTER
  CCP will continue.
- Enter SUPPRESS to bypass the assignment specification changes and enable the suppression messages next.
- Enter OFFLINE to receive the offline message and bypass the assignment specification changes and suppression messages.
- Enter Y or YES to change specifications by having the CCP ask you questions.
- Enter specifications as keywords. One keyword may be entered on each input line:

Keyword	Value
MAXEUP—	Maximum number of user programs (Models 4, 8, 10 and 12)
MINUPA—	Minimum user program area
MINTPBUF—	Minimum T/P buffer area
PASSWORD—	CCP sign-on password
TRACEBLK—	Size of in-storage CCP trace table. Nonzero value sets disk trace on (Models 4, 8, 10, and 12)
TRACEMLTA—	T/P activity: Enter a specific line number or A, for all lines (Models 10, 12, and 15)
TRACEBSCC—	T/P activity: Enter a specific line number (3, 4) or A (for both lines) (Model 15, Program Number 5704-SC2)
BSCCBLK—	Size of resident CCP BSCC trace table. Values range from 1 to 24, designating the number of 256-byte blocks allocated (Model 15, Program Number 5704-SC2)
TRACEMLMP	No value allowed

Following keyword input, press one of the following keys, without any keyed input, to signal CCP to continue beyond this point:
  Model 4, PROG START
  Models 8, 10, and 12, END
  Model 15, ENTER

The N, NO, Y, or YES responses become invalid once a keyword is entered.

SU046 $CCPDUMP FILE ON UNIT xxx

Reason: This message notifies you that a valid trace/dump file was found and gives its location.

Recovery: None.

SU047   SPECIFY UNIT FOR $CCPDUMP FILE

Reason: This message allows you to select a $CCPDUMP file for this startup of CCP.

Recovery: Enter the main data area unit where $CCPDUMP is located or enter a null response if no trace/dump file is desired.

SU048   **WARNING NO $CCPDUMP FILE ALLOCATED**

Reason: A trace/dump file was not selected for this startup of CCP.

Recovery: None.

SU049   INVALID $CCPDUMP FILE. INITIALIZE $CCPDUMP WITH $CC1DP

Reason: A file named $CCPDUMP was found on the selected unit but one of the following conditions exists:
- The file was not initialized by $CC1DP.
- The file was moved from its original physical location.
- The storage parameter used in creation of the file is different than the present system storage size.

Recovery: None.

SU050   INVALID UNIT SPECIFIED FOR $CCPDUMP FILE

Reason: The unit selected was not a valid main data area (D1, D2, D3, D4, D31, D32, D33, D34, D41, D42, D43, or D44).

Recovery: None.

SU051   xx DUMPS USED, yy AVAILABLE IN
$CCPDUMP FILE

Reason: There have been xx main storage dumps entered
into the trace/dump file and there is space available
for yy more dumps.

Recovery: None.

SU052 $CCPDUMP FILE NOT FOUND ON SPECIFIED
UNIT

Reason: The unit entered by the operator or specified
during CCP generation was searched and a file named
$CCPDUMP was not found.

Recovery: None.

SU055   ASSIGNED MAXIMUM CONCURRENT
USER PROGRAMS = *

Reason: This message tells you the maximum number of
concurrently running user programs.

Recovery: None.

SU060   TO CHANGE, ENTER NEW VALUE

Reason: This message tells you that you may enter a
new value to replace what was assigned.

Recovery: Perform one of the following:
  − Enter a new value to change the information.
  − To retain the current information, press:
      Model 4, PROG START
      Models 8, 10, and 12, END
      Model 15, ENTER

SU065   NON-ZERO DIGIT REQUIRED

Reason: This message tells you what type of information
you should enter.

Recovery: Enter a nonzero valid digit.

SU070   ASSIGNMENT SPECIFICATION EXCEEDED

Reason: A numeric value was entered that was larger
than the value assigned during the assignment run.

Recovery: Enter a valid numeric value.

SU071   INITIALIZING CCP

Reason: This message is issued in all cases to inform
you that your initial options are completed and CCP
is beginning to initialize itself for the current run.

Recovery: None.

SU075   ASSIGNED PASSWORD = '******'

Reason: This message tells you the current CCP sign-on
password.

Recovery: None.

SU090 MINIMUM DYNAMIC T/P BUFFER AREA
=***** BYTES

Reason: This message tells you the current minimum
assigned size of the teleprocessing buffer area.

Recovery: None.

SU095 MINIMUM USER PROGRAM AREA = NN.NNK

Reason: This message tells you the current minimum
size of the user program area.

Recovery: None.

SU099 *ERROR* INVALID SYNTAX

Reason: The format of your reply was not correct. The
system waits for a valid reply.

Recovery: Enter a reply in the appropriate valid format.

SU100 TO CHANGE MINIMUM T/P BUFFER AREA,
ENTER VALUE (BYTES)

Reason: This message tells you that you may change
the minimum size of the teleprocessing buffer area.
The system waits for your reply.

Recovery: Perform one of the following:
— If no change is desired, press:
  Model 4, PROG START
  Models 8, 10, and 12, END
  Model 15, ENTER
— Enter a valid value up to five digits long; then press
  the appropriate key (see preceding list).

SU101 MINIMUM T/P BUFFER = ***** BYTES

Reason: The size of the dynamic teleprocessing buffer
given by the user was less than the minimum number
of bytes required for this assignment set. This mes-
sage will be preceded by message SU140 *ERROR*
INVALID KEYWORD VALUE or message SU110
ERROR INVALID VALUE.

Recovery: Specify a valid equal to or larger than the
above value.

SU105 TO CHANGE MINIMUM USER PROGRAM
AREA, ENTER VALUE (NN.NNK)

Reason: This message tells you that you can now
change the minimum size of the user program area.

Recovery: Perform one of the following:
— Enter the minimum number of bytes for the user
  program area, using the format NN.NNK.
— To retain the current minimum size of the user
  program area, press:
  Model 4, PROG START
  Models 8, 10, and 12, END
  Model 15, ENTER

SU110 *ERROR* INVALID VALUE

Reason: The numeric value previously entered is in-
valid. The value was probably too small or too large.
If the CCP assumes that the error is obvious, it waits
for you to enter a valid numeric value. Otherwise, a
subsequent message will indicate what action to take.

Recovery: Perform one of the following:
— None, if another message is printed.
— Make another entry if a subsequent message is
  not printed.
— Press:
  Model 4, PROG START
  Models 8, 10, and 12, END
  Model 15, ENTER

SU111 PREVIOUSLY SPECIFIED

Reason: A value specified by keyword has been pre-
viously specified

Recovery: Enter new reply or press:
  Model 4, PROG START
  Models 8, 10, and 12, END
  Model 15, ENTER

SU115 REQUESTED SPACE UNAVAILABLE

Reason: The value that you previously entered was
larger than CCP can accommodate.

Recovery: None.

SU119 *ERROR* MODULE ****** NOT FOUND

Reason: This message may be issued for:

$CC4 — The resident control portion of the system

$CC3LO — The startup phase locator

$CC3RO — The startup phase roller

CCP returns control to System/3 data management.

Recovery: Perform the following:

1. List the directory of the object library on the pack from which CCP was initiated.

2. Consult with the system manager to determine if the pack is the correct pack.

3. Generate CCP system if a backup pack is not available.

4. Call IBM for software assistance if the module was not listed in the object library directory listing immediately after CCP Generation.

SU125 *ERROR* INVALID KEYWORD

Reason: Either an unrecognizable keyword or a valid keyword that is a duplicate of a previous specification was entered. CCP waits for your reply.

Recovery: Perform one of the following:
- Enter a valid keyword.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU126 *ERROR* INVALID KEYWORD FOR CCP CONFIGURATION

Reason: An otherwise valid keyword is invalid because your system does not support the function controlled by the keyword. The system waits for your reply.

Recovery: Perform one of the following:
- Enter a valid keyword and its value.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU130 *ERROR* INVALID DISK UNIT

Reason: An invalid disk unit indication was entered. The disk unit must be R1, R2, F1, or F2 depending on your system configuration. The system waits for your reply.

Recovery: Enter a valid disk unit indication.

SU140 *ERROR* INVALID KEYWORD VALUE

Reason: An invalid value has been entered for a valid keyword. The system waits for you to reenter the keyword or another keyword with a valid value.

Recovery: Perform one of the following:
- Enter a valid keyword and its value.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU141 NOW IN KEYWORD MODE

Reason: You entered Y, YES, N, or NO after having previously entered a valid keyword. Entering a valid keyword puts the console in keyword mode and CCP expects you to continue entering keywords.

Recovery: Enter a new response, or press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU142 *ERROR* NO MLTERFIL ON UNIT F1

Reason: The terminal error logging file is required on disk unit F1 by your system, but it is not present. CCP terminates.

Recovery: Place MLTERFIL on unit F1 and restart CCP.

SU143 *ERROR* $CCPFILE DOES NOT MATCH GENERATED CONTROL MODULES

Reason: The specified $CCPFILE is not the one generated and initialized by CCP Generation (for Model 4, the installed version) producing the production pack from which CCP has been initialized.

Recovery: Specify the proper $CCPFILE unit when you restart CCP.

SU145 *ERROR* $CCPFILE NOT FOUND ON UNIT **

Reason: $CCPFILE could not be found on the specified disk unit.

Recovery: Enter the disk unit where $CCPFILE can be found.

SU146 *ERROR* INSUFFICIENT MAIN STORAGE TO INITIATE CCP

Reason: The program level or partition in which CCP was initiated did not contain enough main storage to run CCP.

Recovery: Assign CCP more main storage when you restart. The minimum main storage required is 20K for Models 4, 8, 10, and 12; 22K for Model 15, Program Number 5704-SC1; 48K for Model 15, Program Number 5704-SC2.

SU149 CCP TERMINATED

Reason: CCP could not be initiated and is now being terminated. Previous messages have indicated the cause of the error.

Recovery: None.

SU251 *ERROR* MODULE $CC3** NOT FOUND

Reason: The named startup phase module could not be found on the pack from which CCP was initiated.

Recovery: Perform the following:

1. List the directory of the object library on the pack from which CCP was initiated.

2. Consult with the system manager to determine if the pack is the correct pack.

3. Generate the CCP system if a backup pack is not available.

4. Call IBM for software assistance if the module was not listed in the object library directory listing immediately after CCP Generation (for Model 4, Installation).

SU259

Models 4, 8, 10, and 12:
CCP STARTUP ABORTED
Model 15:
TERMINATED

Reason: The modules listed by message SU251 were not found and CCP has terminated.

Recovery: Perform the following:

1. List the object library directory of the pack from which CCP was initiated.

2. Consult with the system manager to determine the cause of the missing modules.

3. Copy the missing module directly from the CCP distribution pack if it is available. If the module is not on the CCP distribution pack, call IBM for software assistance.

SU260 WARNING: NO DISPLAY FORMATS FOUND

Reason: The assignment set you are using includes the 3270 display format facility, but no $Z display formats were found on the specified pack. The problem may be that:
— Another pack (F1, R1, F2, or R2) should have been specified in the assignment set.
— The formatting facility was inadvertently specified in the assignment set.
— No formats have yet been placed on the pack.

Recovery: Ensure that the correct packs have been mounted and the correct assignment set is being used. If so, consult the system manager to determine the status of display formats. The system manager should determine the correct specification of display formats in the assignment set.

SU263 WARNING: FORMAT $Z**** SUPPRESSED BECAUSE TEMPORARY

Reason: The specified format is a temporary entry in the object library, and cataloging to an active library is allowed.

Recovery: Catalog the specified format to the DFFPACK and run CCPFMT to find the format after CCP start-up is completed. If CCPFMT is not in your assignment set, you must cancel CCP, copy the format to the DFFPACK, and do startup again before the format can be used.

SU265 *ERROR* NO LIBRARY ON DFF PACK

Reason: The unit designated as DFFPACK does not contain an object library.

Recovery: Correct the DFFPACK parameter on the system statement in the assignment set, or mount the correct pack with DFF formats in the library.

SU267 *ERROR* $CCPFILE CANNOT CONTAIN FORMAT INDEX

Reason: The size of $CCPFILE is too small to contain one 8-byte entry for each display format. This message could occur after the user has been successfully running, because the number of display formats has exceeded the capacity of $CCPFILE.

Recovery: Tell the system manager that the number of tracks allocated to $CCPFILE must be increased.

SU270 *ERROR* TRANSIENT $CC4** NOT FOUND FOR $CC4**

Reason: A CCP transient module to which control is to be passed from another transient cannot be found on the pack from which CCP was initiated. The first $CC4** module listed in the message is the one missing and the second $CC4** module is the one that requires the first.

Recovery: Perform the following:

1. List the object library directory for the pack from which CCP was initiated.

2. Consult the system manager to determine the method of recovery.

3. Modules, in general, cannot be copied from the CCP distribution pack because modules are renamed during CCP Generation (for Model 4, Installation) process. The system manager may suggest regenerating CCP (for Model 4, doing installation again) or at least the sections that copy modules.

4. Call IBM for software assistance if the problem persists.

SU281 *ERROR* $CC4**, MORE RLD'S THAN RELOCATION ADCONS

Reason: A user-written sign-on security transient module contains more relocation directory entries than user-specified relocation constants.

Recovery: Have the programmer review the module and correct the number of relocation constants before re-assembling the module.

SU283 *ERROR* $CC4** ACTIVE LENGTH EXCEEDS TRANSIENT AREA

Reason: The named user-written security transient module is too large for the transient area. Currently, 512 bytes may be used for instruction and data area, and the relocation address table may start or extend beyond that to the required length.

Recovery: Ask the programmer to reduce the size of the transient or break it into two transients.

SU287 *ERROR* $CC4**, MORE RELOCATION ADCONS THAN RLD'S

Reason: A user-written sign-on security transient module contains more user-specified relocation constants than relocation directory entries.

Recovery: Have the programmer review the module and correct the number of relocation constants before reassembling the module.

SU289 *ERROR* NO TRANSIENTS FOUND FOR RELOCATION BY $CC3RT

Reason: The pack from which CCP was initiated contained no $CC4** transient modules.

Recovery: Perform the following:

1. List the object library directory of the CCP pack when CCP returns control to the system.

2. Have the system manager determine the location of the missing modules.

3. Modules, in general, cannot be copied from the CCP distribution pack. The system manager may suggest rerunning the portion of CCP Generation that copies modules which become $CC4** named modules (for Model 4, rerun Installation), if a back-up pack is not available.

4. Call IBM for software assistance if the problem persists.

SU300 ANY FACILITY TO BE SUPPRESSED?

Reason: If temporary changes to the chosen assignment set were specified earlier or if the keyword SUPPRESS was entered, you may now specify what facilities should be suppressed. CCP is waiting for your reply.

Recovery: Perform one of the following:
— Enter N or NO to bypass all questions, or press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER
— Enter Y or YES to have the CCP ask you questions about each facility that may be suppressed.
— Enter one or more of the following keywords (one per keyed line):

DISKFILE—	filename
SYMFILE—	symbolic filename
PROGRAM—	program name
BSCALINE—	BSCA line number (1, 2, 3, or 4)
MLTALINE—	MLTA line number (1-8, Models 10, 12, and 15)
TERMINAL—	terminal ID (2 characters)
PGMCNT	
CANCEL	

The N, NO, Y, or YES responses become invalid once a keyword is entered.

SU305 PROGRAM NAME TO BE SUPPRESSED

Reason: This message tells you that you now have the capability to suppress the use of a program for this CCP run. CCP is waiting for your reply.

Recovery: Perform one of the following:
— If no programs are to be suppressed, press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER
— Enter a 2- to 6-character (for Model 15, 1 to 6) program name. Only one program name can be entered at a time.

SU310 *ERROR* INVALID PROGRAM NAME

Reason: CCP maintains a list of program names in the program control table (PCT) and the program name you entered could not be found in the PCT. CCP is waiting for your reply.

Recovery: Perform one of the following:
- Enter the correct program name.
- Press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER

SU315 NO FILES IN THIS SET

Reason: A DISKFILE or SYMFILE keyword was entered for suppression, but no disk file or symbolic filename was defined for the control set. Symbolic filenames may be defined only if disk files are also defined. CCP is waiting for your reply.

Recovery: Perform one of the following:
- Enter another keyword and a value if required.
- Press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER

SU320 DISKFILE NAME TO BE SUPPRESSED

Reason: This message tells you that you now have the opportunity to suppress the use of a disk file for this CCP run. CCP is waiting for your reply.

Recovery: Perform one of the following:
- If no disk files are to be suppressed, press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER
- Enter a valid disk file name.

SU325 *ERROR* INVALID DISKFILE NAME

Reason: CCP maintains a list of disk file names in the file control table and the disk filename you entered could not be found in the table. CCP is waiting for your reply.

Recovery: Perform one of the following:
- Enter the correct disk filename.
- Press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER

SU330 SYMFILE NAME TO BE SUPPRESSED

Reason: This message tells you that you now have the opportunity to specify defined symbolic filenames to be suppressed for the CCP run. CCP is waiting for your reply.

Recovery: Perform one of the following:
- If no symbolic filename is to be suppressed, press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER
- Enter a valid symbolic filename. Only one name can be entered at a time.

SU335 *ERROR* INVALID SYMFILE NAME

Reason: CCP maintains a list of symbolic filenames in the file control table, and the name you entered could not be found in the table. CCP is waiting for your reply.

Recovery: Perform one of the following:
- Enter the correct symbolic filename.
- Press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER

SU340   NO SYMFILES IN THIS SET

Reason: A symbolic filename was specified to be suppressed, but no symbolic file was defined in this set. CCP is waiting for your reply.

Recovery: Perform one of the following:
- Enter another keyword and value if required.
- Press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER

SU345   BSCALINE NUMBER TO BE SUPPRESSED

Reason: This message tells you that you now have the opportunity to specify the number of the BSCA line to be suppressed for this CCP run. CCP is waiting for your reply.

Recovery: Perform one of the following:
- If no BSCA line is to be suppressed, press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER
- Enter a single digit (1, 2, 3, or 4) to suppress the appropriate BSCA line.

SU350   *ERROR* INVALID BSCALINE NUMBER

Reason: An incorrect value was specified for a BSCA line number. CCP waits for your reply.

Recovery: Perform one of the following:
- Enter an appropriate BSCA line number. The valid line numbers are 1, 2, 3, or 4.
- Press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER

SU351   BSCALINE "*" NOW SUPPRESSED

Reason: This message is telling you that because all the terminals on a line were suppressed, the line itself was suppressed.

Recovery: Enter a reply in the appropriate format or press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER

SU355   NO BSCALINES IN THIS SET

Reason: A BSCALINE keyword was entered, but no BSCA lines were defined in the control set. CCP waits for your reply.

Recovery: Perform one of the following:
- Enter another keyword and a value if required.
- Press:
     Model 4, PROG START
     Models 8, 10, and 12, END
     Model 15, ENTER

SU356   DFFBUFFER NUMBER TO BE SUPPRESSED

Reason: This message tells you that you now have the opportunity to specify the number of the DFF buffer to be suppressed for this CCP run. CCP is waiting for your reply.

Recovery: Perform the following (Model 15D only):
- Enter a single digit (1, 2, 3, or 4) to suppress the appropriate DFF buffer.
- Press ENTER.

SU357   INVALID DFF BUFFER NUMBER

Reason: An incorrect value was specified for a DFFBUFFER number. CCP is waiting for your reply.

Recovery: Perform the following (Model 15D only):
- Enter an appropriate DFF buffer number. The valid numbers are 1, 2, 3, or 4.
- Press ENTER.

SU358   DFFBUFFER "*" NOW SUPPRESSED

Reason: This message is telling you that since the corresponding line was suppressed, the DFF buffer was suppressed.

Recovery: Enter a reply in the appropriate format or press ENTER (Model 15D only).

SU359   NO DFFBUFFERS IN THIS SET

Reason: A DFFBUFFER keyword was entered but no DFFBUFFER was defined in the control set. CCP is waiting for your reply.

Recovery: Press ENTER (Model 15D only).

SU360   MLTALINE NUMBER TO BE SUPPRESSED

Reason: This message tells you that you now have the
opportunity to specify the number of the MLTA
line to be suppressed for this CCP run. CCP is waiting
for your reply.

Recovery: Perform one of the following:
  - Enter an appropriate MLTA line number. The
    valid line numbers are a single digit 1 through 8.
  - Press:
        Models 8, 10, and 12, END
        Model 15, ENTER

SU365   *ERROR* INVALID MLTALINE NUMBER

Reason: An incorrect value was specified for an MLTA
line number. CCP waits for your reply.

Recovery: Perform one of the following:
  - Enter an appropriate MLTA line number. The
    valid line numbers are a single digit 1 through 8.
  - Press:
        Models 8, 10, and 12, END
        Model 15, ENTER

SU366   MLTALINE "*" NOW SUPPRESSED

Reason: This message is telling you that because all the
terminals on the designated line were suppressed, the
line itself was suppressed.

Recovery: Enter a new reply of the appropriate format
or press:
        Models 8, 10, and 12, END
        Model 15, ENTER

SU370   NO MLTALINES IN THIS SET

Reason: An MLTALINE keyword was entered, but no
MLTA lines are defined in the line control table. CCP
waits for your reply.

Recovery: Perform one of the following:
  - Enter another keyword and a value if required.
  - Press:
        Models 8, 10, and 12, END
        Model 15, ENTER

SU373   *ERROR* ALL T/P LINES NOW SUPPRESSED

Reason: In suppressing lines and terminals, all tele-
processing lines have been suppressed.

Recovery: Do not suppress all lines when you restart
CCP.

SU375   TERMINAL ID TO BE SUPPRESSED

Reason: This message tells you that you now have the
opportunity to specify (by 2-character ID) a terminal
to be suppressed during this CCP run. CCP waits for
your reply. (These ID characters were specified by
the TERMID keyword on the BSCATERM or
MLTATERM statements during assignment.)

Recovery: Perform one of the following:
  - Enter a 2-character terminal ID.
  - Press:
        Model 4, PROG START
        Models 8, 10, and 12, END
        Model 15, ENTER

SU376   TERMINAL "*" NOW SUPPRESSED

Reason: This message is telling you that because the
teleprocessing line to which this terminal is assigned
was suppressed, the terminal must be suppressed.

Recovery: Enter a new reply, or after all such messages
have printed, press:
        Model 4, PROG START
        Models 8, 10, and 12, END
        Model 15, ENTER

SU380   *ERROR* INVALID TERMINAL ID

Reason: CCP maintains a list of terminal IDs in the ter-
minal unit table, and the ID you entered could not be
found in the table. CCP is waiting for your reply.

Recovery: Perform one of the following:
  - Enter a valid terminal ID.
  - Press:
        Model 4, PROG START
        Models 8, 10, and 12, END
        Model 15, ENTER

SU385   PREVIOUSLY SUPPRESSED

Reason: This message tells you that a facility that was specified for suppression had previously been specified. CCP is waiting for your reply.

Recovery: Perform one of the following:
- Enter a valid response for another facility.
- Press:
    - Model 4, PROG START
    - Models 8, 10, and 12, END
    - Model 15, ENTER

SU390   PROGRAM REQUEST COUNT NOT SPECIFIED AT CCP GENERATION

Reason: A keyword was entered to suppress the program request count, but that facility was omitted in CCP Generation.

Recovery: Perform one of the following:
- Enter another keyword and a value if required.
- Press:
    - Models 8, 10, and 12, END
    - Model 15, ENTER

SU395   IS PROGRAM REQUEST COUNT TO BE SUPPRESSED?

Reason: This message tells you that you now have the opportunity to suppress the program request count during this CCP run. CCP is waiting for your reply.

Recovery: Perform one of the following:
- Enter Y, YES, N, or NO.
- Press:
    - Model 4, PROG START (same as NO)
    - Models 8, 10, and 12, END (same as NO)
    - Model 15, ENTER (same as NO)

SU401   *ERROR* INVALID RESPONSE

Reason: This is a general message indicating that you made an invalid entry. If CCP assumes the error is obvious, it will wait for you to make another entry. Otherwise, it will issue another message indicating the specific error and what action to take.

Recovery: Perform one of the following:
- None, if another message is printed.
- Make another entry if a subsequent message is not printed.
- Press:
    - Model 4, PROG START
    - Models 8, 10, and 12, END
    - Model 15, ENTER

SU405   WARNING: ALL FILES SUPPRESSED

Reason: This message is issued when you suppress the last disk file; or, after having suppressed the last disk file, you enter another disk file or symbolic filename to be suppressed.

Recovery: Perform one of the following:
- None, if the message SU305 is issued.
- Enter another keyword and a value if required.
- Press:
    - Model 4, PROG START
    - Models 8, 10, and 12, END
    - Model 15, ENTER

SU410 NOW IN KEYWORD MODE

Reason: After you have entered a valid keyword, CCP expects you to continue entering keywords or to press:

    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

Do not enter Y, YES, N, or NO.

Recovery: Perform one of the following:
- Enter a keyword and a value if required.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU415 *ERROR* INVALID KEYWORD

Reason: You have entered an invalid keyword. CCP waits for your reply.

Recovery: Perform one of the following:

- Enter a valid keyword and a value if required.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU420 *ERROR* INVALID KEYWORD VALUE

Reason: You entered a valid keyword and the format was correct, but the value given was not accepted. Possible errors are:
- Missing value
- Incorrect number of characters
- Exceeded specifications (too large or too small a value)
- Alphabetic for numeric or vice versa

CCP waits for your reply.

Recovery: Perform one of the following:
- Enter the same keyword with a correct value or another keyword and a value if required.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU425 *ERROR* ALL PROGRAMS NOW SUPPRESSED

Reason: You suppressed the usability of the last remaining unsuppressed program listed in the program control table. You may have explicitly suppressed the last unsuppressed program by name or you may have suppressed a disk file or symbolic filename required by the last remaining unsuppressed program.

Recovery: Restart CCP after the termination message is issued.

SU430 PROGRAM ****** NOW SUPPRESSED

Reason: You suppressed a disk file or symbolic filename that is required by the named program. Therefore, the program cannot execute and it must also be suppressed. If the named program is the last remaining unsuppressed program in the program control table, subsequent error and termination messages are issued.

Recovery: Perform one of the following:
- None, if message SU425 is issued.
- Enter a reply if the system waits.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU435   SYMFILE '********' NOW SUPPRESSED

Reason: A disk file was suppressed which was the last remaining unsuppressed disk file referenced by the named symbolic filename. Since all disk file references of the symbolic filename are now suppressed, the symbolic filename must be suppressed. CCP waits for your reply.

Recovery: Perform one of the following:
- — Enter another appropriate response.
- — Press:
  - Model 4, PROG START
  - Models 8, 10, and 12, END
  - Model 15, ENTER

SU440   *ERROR* INVALID SYNTAX

Reasons: The format of the specification was incorrect. Possible errors are:
- — Space precedes the keyword
- — Embedded blank exists somewhere in the input
- — Something other than a dash separates a keyword from its value
- — Keyword value may be missing

CCP waits for your reply.

Recovery: Perform one of the following:
- — Reenter the keyword and a value, if required, using the correct format.
- — Press:
  - Model 4, PROG START
  - Models 8, 10, and 12, END
  - Model 15, ENTER

SU449   CCP TERMINATED

Reason: This message is entered when either a CANCEL keyword is entered or an error occurs that would not allow CCP to continue. If CCP could not continue because of an error, a preceding message described the cause of the error.

Recovery: Restart CCP.

Models 4, 8, and 10:

SU450   MODULE '******' NOT FOUND, PROGRAM '******' SUPPRESSED

Reason: The required module was not found on the designated pack. The program named is suppressed for this run of CCP.

Recovery: None for this run. On the next run you may want to place the required module on the specified pack.

Model 12:

SU450   PROGRAM '******' NOT COMPILED/ LINK-EDITED ON MODEL 12, SUPPRESSED

Reason: The program is not compiled/link-edited for use on the Model 12.

Recovery: Recompile or link-edit the named program on the Model 12.

Model 15:

SU450   PROGRAM '******' SUPPRESSED, REQUIRES MORE THAN 32K TO EXECUTE

Reason: The program size plus the DFF appended storage (if applicable) is greater than 32,768 bytes.

Recovery: Reduce the size of your program and/or alter your DFF format so that the total fits into 32K. With Program Number 5704-SC2, external buffer can be used to reduce the program size.

SU451   PROGRAM '******' NOT FOUND, SUPPRESSED

Reason: The program was not found on the designated pack. The program named is suppressed for this run of CCP.

Recovery: None for this run. On the next run you may want to place the compiled program on the specified pack.

SU452   PROGRAM '******' SUPPRESSED BECAUSE TEMPORARY

Reason: The program is designated as a temporary program in the library and, for Program Number 5704-SC2, cataloging to an active library is allowed.

Recovery: None for this run of CCP. Before next run with this assignment set, change the indicated program's attribute to permanent.

SU453 *ERROR* ALL PROGRAMS NOW SUPPRESSED

Reason: The last unsuppressed program could not be found on the designated pack. Therefore, it too was suppressed and now all programs are suppressed.

Recovery: When restarting CCP, ensure that the required programs can be found. The assignment set may need to be changed to designate the pack on which the programs physically reside.

SU454 PROGRAM ****** SUPPRESSED, LOAD ADDRESS NOT 32768

Reason: All programs to be executed under CCP must be link-edited with a starting address in main storage of hex 8000 (decimal 32768).

Recovery: Repeat the linkage editing of the program after CCP shutdown, using a load address of hex 8000.

SU455 PROGRAM '******' SUPPRESSED, TASKSIZE SPECIFIED TOO SMALL

Reason: The value specified for TASKSIZE was less than the size of the program.

Recovery: Before restarting the CCP, ensure that the TASKSIZE parameter is at least as large as the actual program size.

SU456 MODULE '******' NOT FOUND, PROGRAM '******' SUPPRESSED

Reason: The specified sort module was not found on the pack the specified program was loaded from.

Model 15:

SU457 PROGRAM '******' SUPPRESSED, DFF PAS CANNOT BE FULLY ADDRESSED

Reason: The DFF program appended storage will exceed three 2K main storage boundaries and cannot be fully addressed.

Recovery: Perform the following:

1. Reduce the values specified for DFFMTERM and/or DFFNDF within program statement at assignment stage.

2. Reduce the size of the largest field descriptor table used by this program.

3. Alter the program size so that it just exceeds a 2K main storage increment.

Model 15 (Program Number 5704-SC2):

SU458 *ERROR* VALID BSCC MICROCODE— $$BSYD, NOT FOUND

Reason: A valid $$BSYD was not found on the system pack.

Recovery: Call your IBM customer engineer for assistance.

Model 4:

SU459 *ERROR* VALID $$MCRI NOT FOUND

Reason: A valid $$MCRI was not found on the system distribution pack.

Recovery: Call your IBM customer engineer for assistance.

Models 8, 10, and 12:

SU459 MODULE NOT FOUND FOR LOCAL DISPLAY ADAPTER

Reason: $$MCRI or $$BSLD not found on the system pack.

Recovery: Call your IBM customer engineer for assistance if the cause cannot be determined.

Model 15:

SU459 *ERROR* VALID DISPLAY ADAPTER
MICROCODE—$$MCRI, NOT FOUND

Reason: A valid $$MCRI was not found on the system
pack.

Recovery: Call your IBM customer engineer for
assistance.

Model 15:

SU460 *ERROR* MAIN STORAGE EXHAUSTED
BUILDING BSCC/TP CONTROL BLOCKS

Reason: There is insufficient main storage to complete
the building of teleprocessing control blocks and
related areas.

Recovery: Perform the following:

1. Save the system history and consult with the
system manager on how to conserve main
storage.

   The system manager can:
   — Increase the size of the program partition.
   — Reduce the minimum teleprocessing dynamic
     buffer area.
   — Omit any TRACEMLMP specification.
   — Use consecutive numbers (starting with 1) for
     ATTRID in assignment to reduce disk space
     and main storage usage.
   — Regenerate CCP to eliminate any unnecessary
     functions.

2. Omit any TRACEBSCC specification.

3. Reduce the size of the in-storage BSCC trace table
if the BSCCBLK keyword was specified.

SU461 *ERROR* CORE EXHAUSTED WHILE
BUILDING T/P CONTROL BLOCKS

Reason: This message is telling you that there is
insufficient main storage to complete the building of
teleprocessing line DTFs, buffers, etc.

Recovery: Perform the following:

1. — Model 4, Get a log printout.
   — Models 8, 10, and 12, Save the console printout
   — Model 15, save the system history.

   Consult with the system manager on how to
   conserve main storage.

2. The system manager can reconfigure the size of
various items to make more main storage available
as follows:
   — Increase the size of the program level in a DPF
     system (Models 8, 10, and 12) or program
     partition (Model 15)
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic
     buffer area
   — Omit any TRACEMLTA (Models 8, 10, 12, and
     15) or TRACEMLMP specification
   — Use consecutive numbers (starting with 1) for
     ATTRID in assignment to reduce disk space
     and core
   — Reduce the size of CCP in-storage trace table if
     using TRACEBLK keyword (Models 4, 8, 10,
     and 12)
   — Eliminate CCP trace by TRACEBLK—0 in
     assignment or startup (Models 4, 8, 10, and 12)
   — Suppress the use of the program request count
     table
   — Regenerate CCP to eliminate any unnecessary
     functions (Models 8, 10, 12, and 15)
   — Install a minimum CCP system (3270 only) if
     possible (Model 4)

SU462 PROGRAM '******' SUPPRESSED, NOT
COMPILED/LINKEDITED ON 15D

Reason: The program was compiled and/or link edited
on some system other than a Model 15 (Program
Number 5704-SC2).

Recovery: Before restarting CCP, recompile or link edit
the program on the present system.

SU463 *ERROR* INVALID BSCA OCL STATEMENT

Reason: CCP was, by assignment, expected to build two
BSCA DTFs but the user entered a BSCA LINE-n
statement.

Recovery: When restarting CCP, change the assignment
set or omit the BSCA OCL statement.

SU464 *ERROR* ATTEMPT TO LOAD MLTA
ABOVE 128K

Reason: An attempt has been made to load MLTA
trace above 128K.

Recovery: Perform one or more of the following:
— Reduce the size of the supervisor.
— The system manager can reconfigure the size of
various items to make more main storage available
by:
  Omitting the TRACEMLTA specification
  Omitting the TRACEMLMP specification
  Suppressing the use of the program request
  count table
  Regenerating the CCP to eliminate any unneces-
  sary function
— If running CCP in partition 2 or 3, run CCP in
partition 1 or 2.

SU465 **ERROR** ATTEMPT TO LOAD MLTA
ABOVE 128K

Reason: An attempt has been made to build MLTA
polling list above 128K.

Recovery: Perform one or more of the following:
— If running CCP in partition 2 or 3, run CCP in
partition 1 or 2.
— Reduce the size of the supervisor.
— Reduce the use of the program request count table.
— Regenerate CCP to eliminate any unnecessary
function.

Model 15 (Program Number 5704-SC2):
SU466 *ERROR* $CCPFILE CANNOT CONTAIN
MLTA POLL LIST

Reason: There is insufficient space in $CCPFILE to
build the MLTA polling list.

Recovery: Make $CCPFILE one track larger.

Model 15 (Program Number 5704-SC2):
SU468 *ERROR* BSCC MICROCODE IS NOT
CURRENT. PT TO PT NOT SUPPORTED.

Reason: The current level microcode ($$BSYD) required
for portline and/or BSCC point-to-point was not on
the system pack.

Recovery: Call your IBM customer engineer for
assistance.

Model 15:
SU469 *ERROR* BSCALINE 3 AND/OR 4
REQUIRES BSCC SUPPORT IN SYSTEM

Reason: The pack from which the IPL of the system
was performed does not provide BSCC support.

Recovery: Perform one or more of the following:
— Suppress at startup or remove BSCA line 3 and/or
4 from the assignment set.
— Generate a system that contains BSCC support.

SU541 *ERROR* CORE EXHAUSTED WHILE BUILDING TERMINAL UNIT BLOCKS

Reason: CCP requires additional main storage. Main storage was exhausted while trying to build the terminal unit blocks (Model 15, Program Number 5704-SC1) or task chaining control blocks (Model 15, Program Number 5704-SC2).

Recovery: Perform the following:

1. – Model 4, get a log printout.
   – Models 8, 10, and 12, save the console printout
   – Model 15, save the system history.

   Consult with the system manager on how to conserve main storage.

2. The following information can be given to the system manager. Main storage requirements can be reduced by reducing the number of terminals in the assignment set or suppressing any assigned terminals. The system manager can also recon-figure the size of various optional items, such as:
   – Increase the size of the program level in a DPF system (Models 8, 10, and 12) or the program partition (Model 15)
   – Reduce the CCP minimum user program area
   – Reduce the minimum teleprocessing dynamic buffer area
   – Reduce the size of the CCP in-storage trace table if using TRACEBLK keyword (Models 4, 8, 10, and 12)
   – Eliminate CCP trace by TRACEBLK-0 in as-signment or startup (Models 4, 8, 10, and 12)
   – Suppress the use of the program request count table
   – Regenerate CCP to exclude unneeded options (Models 8, 10, 12, and 15)
   – Install a minimum CCP system (3270 only) if possible (Model 4)

Model 15:

SU542 *ERROR* MAIN STORAGE EXHAUSTED WHILE BUILDING EXTERNAL POINTER LIST

Reason: There is insufficient main storage to complete the building of the external pointer list.

Recovery: Reduce the number of symbolic files, disk files, or terminals in the assignment set and rerun the assignment build.

SU543 *ERROR* CORE EXHAUSTED WHILE BUILDING TERMNAME'S

Reason: CCP requires additional main storage. Main storage was exhausted while building names assigned as possible terminal names.

Recovery: Perform the following:

1. – Model 4, get a log printout.
   – Models 8, 10, and 12, save the console printout
   – Model 15, save the system history.

   Consult with the system manager on how to conserve main storage.

2. The following steps can be taken to conserve main storage:
   – Specify fewer TERMNAMEs
   – Reduce the number of terminals in the assign-ment set
   – Increase the size of the program level in a DPF system (Models 8, 10, and 12) or program par-tition (Model 15)
   – Reduce the CCP minimum user program area
   – Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword (Models 4, 8, 10, and 12)
   – Eliminate CCP trace by TRACEBLK-0 in assign-ment or startup (Models 4, 8, 10, and 12)
   – Avoid use of the TRACEMLMP and TRACEMLTA (Models 8, 10, 12, and 15) keywords
   – Suppress the use of the program request count table
   – Reduce the number of terminal attribute sets (TERMATTR keyword in assignment)
   – Regenerate CCP to exclude unneeded options
   – Install a minimum CCP system (3270 only) if possible (Model 4)

SU547 TERMNAME '******' NOW UNASSIGNED

Reason: This message tells you that the terminal to which this name had been assigned was suppressed and the name is available for use as an alternate name elsewhere.

Recovery: None.

SU548 CANNOT SUPPORT AUTO ERP BECAUSE OF NO INTERVAL TIMER SUPPORT

Reason: Automatic ERP was selected in this assignment set, but the SCP does not support interval timer. Therefore, automatic ERP will not be supported for this startup.

Recovery: None.

SU550 PF9 KEY NOT AVAILABLE; CCP IS TERMINATED

Reason: The PF9 key is being used by the other partition.

Recovery: Wait until the program in the other partition has gone to EJ before doing CCP startup.

SU555 *** MORE TRACKS NEEDED IN $CCPFILE

Reason: This message tells you how much extra space is needed in $CCPFILE for the CCP to run. The message may appear more than once. Each time it appears, the accumulated requirements are noted.

Recovery: Perform the following:

1. After CCP has terminated, consult with the system manager to determine how to increase space in $CCPFILE.

2. The system manager should increase the size of $CCPFILE by at least the specified number of tracks by doing one of the following:
   - Use the System/3 $COPY program (SCP)
   - Delete $CCPFILE, then rerun $CC1BF with an OCL FILE statement specifying a sufficient number of tracks, and reenter assignment sets using $CCPAS.

SU556 *ERROR* INCOMPATIBLE USE OF MEMORY SIZE

Reason:

1. The generated CCP is for a 48K or 64K system but the SCP supervisor is for a system that is larger than 64K.

2. The generated CCP is for a system that is larger than 64K but the SCP supervisor is for a maximum system size of 64K.

Recovery: Correct the storage size specification in $EFIL generation option. CCP must be regenerated to run with the correct supervisor.

SU557　*ERROR* EXHAUSTED CORE IN ATTEMPTING TO:

Reason: This is a header message for subsequent messages. The message following this header tells what specific item needed additional storage when the main storage was not available.

Recovery: None.

SU558　*ERROR* THIS CCP GENERATION MUST BE RUN IN PL2

Reason: An attempt has been made to run a CCP system in program level 1 and the CCP system has been generated to implement moving DFF support from program level 2 (PL2) into program level 1 (PL1).

Recovery: Bring up CCP in program level 2.

SU559　*ERROR* MLTA MUST RUN IN PROGRAM LEVEL 1

Reason: This CCP system supports MLTA, which requires CCP to be run in program level 1.

Recovery: Perform one of the following:
- Bring up CCP in program level 1.
- Regenerate the CCP system, omitting the MLTA support specifications.

Models 4, 8, 10, and 12:

SU560　LOAD $CC4

Reason: This message is issued when main storage is not available to load the basic CCP control module. This message is preceded by message SU557.

Recovery: Perform the following:

1. — Model 4, get a log printout.
   — Models 8, 10, and 12, save the console printout

   Consult with the system manager to determine how to conserve main storage.

2. The following steps can be taken to conserve main storage:
   - Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   - Reduce the CCP minimum user program area
   - Reduce the minimum teleprocessing dynamic buffer
   - Regenerate CCP to exclude unnecessary options (Models 8, 10, and 12)
   - Install a minimum CCP system (3270 only) if possible (Model 4)

Model 15:

SU560　*ERROR* CORE EXHAUSTED IN ATTEMPTING TO LOAD ******

Reason: The module ******, created by CCP Generation, is too large to fit in the space allocated for it. ****** can be one of the following:
- $CC4#1
- $CC4#M
- $CC4U0
- $$BSYT
- $CCROC
- $CCRPR
- T.N.T.
- $CC4DF

Recovery: Consult with the system manager to determine how to conserve main storage.

SU561　*ERROR* CCP OPTION MISSING IN SCP GENERATION

Reason: The SCP supervisor was not generated to support CCP.

Recovery: Use an SCP system that supports CCP.

SU565   *ERROR* MODULE ****** NOT FOUND

Reason: The named module could not be found on the CCP production pack.

Recovery: Contact IBM for software assistance if any of the following module names are not found:
- Model 4, CCBS or CCTR
- Models 8, 10, and 12, $CC4Z9, CCML, CCBS, or CCTR
- Model 15, $CC4Z9, CCML, CCBS, $CC4#M, $CC4U0, $$BSYT, $CCRPR, $CC4DF, or $CCROC

SU570   *ERROR* INVALID CCP BRANCH INSTRUCTION IN CONSOLE INTERRUPT HANDLER

Reason: This message is issued when the calculated address for the CCP branch instruction in the System/3 module $$COIH does not contain the hexadecimal digits C0800001. The system manager should ensure that the current version of SCP support is used.

Recovery: Use the current SCP version or if the proper version is being used, contact IBM for software assistance.

SU575   *ERROR* INSUFFICIENT DISK CORE DUMP SPACE

Reason: This message is issued when $CCPFILE is too small to hold at least one complete main storage dump for the machine on which CCP is running.

Recovery: Perform the following:

1. After CCP has terminated, consult with the system manager to determine how to increase space in $CCPFILE.

2. The system manager should increase the size of $CCPFILE by at least the number of tracks specified by message SU555 by doing one of the following:
   - Use the System/3 $COPY program (SCP)
   - Delete $CCPFILE, rerun $CC1BF with an OCL FILE statement specifying a sufficient number of tracks, and reenter assignment sets using $CCPAS

Models 4, 8, 10, and 12:

SU580   *ERROR* INSUFFICIENT DISK TRACE SPACE

Reason: This message is issued when $CCPFILE is too small to contain at least:

Models 8, 10, and 12:
The number of tracks of CCP trace entries specified during Generation.

Model 4:
Two tracks of CCP trace entries.

Recovery: Perform the following:

1. After CCP has terminated, consult with the system manager to determine how to increase space in $CCPFILE.

2. The system manager should increase the size of $CCPFILE by at least the number of tracks specified by message SU555 by doing one of the following:
   — Use the System/3 $COPY program (SCP)
   — Delete $CCPFILE, rerun $CC1BF with an OCL FILE statement specifying the required number of tracks, and reenter assignments sets using $CCPAS.

Model 15 (Program Number 5704-SC1):

SU580   NOT ENOUGH DISK SPACE IN $CCPFILE FOR SWA SAVE AREA

Reason: $CCPFILE is not large enough to save the information required for the disk file recovery program.

Recovery: Copy or recreate $CCPFILE to assign more disk space.

SU581   NOT ENOUGH DISK SPACE IN $CCPFILE FOR ONE CCP DUMP

Reason: $CCPFILE is not large enough to save the information required for a CCP dump.

Recovery: Copy or recreate $CCPFILE to assign more disk space or reduce the size of the CCP partition. With Program Number 5704-SC2, the size of the file share area may also be reduced.

Models 4, 8, 10, and 12:

SU585   ALLOCATE PROGRAM REQUEST COUNT TABLE

Reason: Insufficient main storage is available to allocate 2 bytes for each user program defined in the assignment set. SU557 precedes this message.

Recovery: Perform the following:
1. — Model 4, get a log printout.
   — Models 8, 10, and 12, save the console printout

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various optional items to make more main storage available as follows:
   — Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic buffer area
   — Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword
   — Eliminate CCP trace by TRACEBLK-0 at assignment or startup
   — Suppress the use of the program request count table
   — Regenerate CCP to omit any unnecessary functions (Models 8, 10, and 12)
   — Install a minimum CCP system (3270 only) if possible (Model 4)

Model 15:

SU585 *ERROR CORE EXHAUSTED IN ATTEMPTING TO ALLOCATE PROGRAM REQUEST COUNT

Reason: Insufficient main storage is available to allocate 2 bytes for each user program defined in the assignment set. It is preceded by SU557.

Recovery: Perform the following:

1. Consult with the system manager on how to conserve main storage.

2. Suppress the use of the program request count table.

SU590 LOAD CCP TRACE MODULE

Reason: You included CCP trace by specifying the TRACEBLK keyword and a nonzero value, but there is not enough main storage to load the basic module. SU557 precedes this message.

Recovery: Perform the following:

1. — Model 4, get a log printout.
   — Models 8, 10, and 12, save the console printout

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various optional items to make more main storage available as follows:
   — Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic buffer area
   — Regenerate CCP to exclude any unnecessary functions (Models 8, 10, and 12)
   — Install a minimum CCP system (3270 only) if possible (Model 4).

SU595 ALLOCATE CCP TRACE TABLE

Reason: Insufficient main storage is available to reserve as much space as was specified for the CCP trace table. SU557 precedes this message.

Recovery: Perform the following:

1. — Model 4, get a log printout.
   — Models 8, 10, and 12, save the console printout

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various optional items to make more main storage available as follows:
   — Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic buffer area
   — Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword
   — Specify TRACEBLK-0 to eliminate CCP trace from this run
   — Regenerate CCP to omit any unnecessary functions (Models 8, 10, and 12)
   — Install a minimum CCP system (3270 only) if possible (Model 4)

SU600   LOAD SERVICE AID MODULE

Reason: There is insufficient main storage to load the service aid module, CCSA. SU557 precedes this message.

Recovery: Perform the following:

1. – Model 4, get a log printout
   – Models 8, 10, and 12, save the console printout

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   – Increase the size of the program level in DPF system (Models 8, 10, and 12)
   – Reduce the minimum user program area
   – Reduce the minimum teleprocessing dynamic buffer area
   – Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword
   – Eliminate CCP trace and the service aid module from this run by specifying TRACEBLK-0 at assignment or startup
   – Regenerate CCP to eliminate any unnecessary functions (Models 8, 10, and 12)
   – Punch the service aid module into cards or copy it to an object library on another pack to save it; then delete module CCSA from the production pack
   – Install a minimum CCP system (3270 only) if possible (Model 4)

SU605   LOAD BSCA TRACE MODULE

Reason: There is insufficient main storage to load the BSCA trace module. SU557 precedes this message.

Recovery: Perform the following:

1. – Model 4, get a log printout.
   – Models 8, 10, and 12, save the console printout

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   – Omit the TRACEMLMP specification
   – Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   – Reduce the CCP minimum user program area
   – Reduce the minimum teleprocessing dynamic buffer area
   – Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword
   – Eliminate CCP trace from this run by TRACEBLK-0 in assignment or startup
   – Suppress the use of the program request count table
   – Regenerate CCP to eliminate any unnecessary function (Models 8, 10, and 12)
   – Install a minimum CCP system (3270 only) if possible (Model 4)

Startup

Model 15:

SU605 *ERROR* CORE EXHAUSTED IN ATTEMPTING TO LOAD (BSCA or MLTA) TRACE

Reason: There is insufficient main storage to load either the MLTA trace module or the BSCA trace module.

Recovery: Perform the following:

1. Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   - Omit the TRACEMLTA specification
   - Omit the TRACEMLMP specification
   - Increase the size of the program partition
   - Reduce the CCP minimum user program area
   - Reduce the minimum teleprocessing dynamic buffer area
   - Suppress the use of the program request count table
   - Regenerate CCP to eliminate any unnecessary function

SU610   LOAD MLTA TRACE MODULE

Reason: There is insufficient main storage to load the MLTA trace module. SU557 precedes this message.

Recovery: Perform the following:

1. Save the console printout and consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   - Omit the TRACEMLTA specification
   - Omit any TRACEMLMP specification
   - Increase the size of the program level (in a DPF system)
   - Reduce the CCP minimum user program area
   - Reduce the minimum teleprocessing dynamic buffer area
   - Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword
   - Eliminate CCP trace by TRACEBLK-0 in assignment or startup
   - Regenerate CCP to eliminate any unnecessary functions
   - Suppress the use of the program request count table

SU615   *ERROR* CORE EXHAUSTED IN ATTEMPTING TO LOAD USER SECURITY MODULE

Reason: There is insufficient main storage to load the user security module.

Recovery: Consult with the system manager.

SU651 *ERROR* CORE EXHAUSTED WHILE LOADING TERMINAL ATTRIBUTE TABLE

Reason: This message is issued when there is insufficient main storage to contain the terminal attribute table. There may have been enough main storage to hold the table entries themselves, but not enough to read the required number of 256-byte sectors.

Recovery: Perform the following:

1. — Model 4, get a log printout.
   — Models 8, 10, and 12, save the console printout

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   — Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic buffer area
   — Omit any TRACEMLTA (Models 8, 10, 12, and 15) or TRACEMLMP specification
   — Use consecutive numbers (starting with 1) for ATTRID in assignment
   — Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword (Models 4, 8, 10, and 12)
   — Eliminate CCP trace by TRACEBLK-0 in assignment or startup (Models 4, 8, 10, and 12)
   — Suppress the use of the program request count table
   — Regenerate CCP to eliminate any unnecessary function (Models 8, 10, 12, and 15)
   — Install a minimum CCP system (3270 only) if possible (Model 4)

SU653 *ERROR* MODULE ***** NOT FOUND

Reason: The named module is missing from its required pack. If the name begins with $CC4, it is a CCP module missing from the CCP program pack. Otherwise, it is a module missing from the DSM system pack.

Recovery: If the missing module is a CCP module, contact IBM for software assistance.

Model 4:
If the $$CLRP module (line printer) name is not found, that support was not included during System/3 system generation. System/3 must be regenerated to include that device support.

Models 8, 10, and 12:
If any of the following module names are not found, you specified to CCP that support for a device was desired, but that support was not included during System/3 DSM generation:

Device	Modules
$$CLE1	MFCU
$$CLER	1442 Card Read/Punch
$$CLRP	Line Printer
$$ODLT	5445 Disk Drive

If support for the device in question is desired, System/3 DSM must be regenerated to include that device support. If support for that device is not desired, CCP must be regenerated without that device support.

SU661 *ERROR* CORE EXHAUSTED WHILE BUILDING CONTENTS DIRECTORY ENTRIES

Reason: This message is issued when there is insufficient main storage to build the contents directory-entries.

Recovery: Perform the following:

1. — Model 4, get a log printout.
   — Models 8, 10, and 12, save the console printout.

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   — Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic buffer area
   — Reduce the number of concurrent user programs
   — Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword
   — Eliminate CCP trace by TRACEBLK-0 in assignment or startup
   — Suppress the use of the program request count table
   — Regenerate CCP to eliminate any unnecessary functions (Models 8, 10, and 12)
   — Omit any TRACEMLMP or TRACEMLTA (Models 8, 10, and 12) specifications
   — Ensure that consecutive numbers (beginning with 1) are used for the ATTRID keyword in assignment
   — Install a minimum CCP system (3270 only) if possible (Model 4)

SU671 *ERROR* CORE EXHAUSTED WHILE BUILDING PCT INDEX

Reason: There is insufficient main storage to build one 6-byte entry per sector of program control table.

Recovery: Perform the following:

1. — Model 4, get the log printout.
   — Models 8, 10, and 12, save the console printout

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   — Define fewer programs in assignment
   — Increase the size of the program level in a DPF system (Models 8, 10, and 12) or program partition (Model 15)
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic buffer area
   — Reduce the number of terminals in the system
   — Reduce the number of TERMNAMEs in assignment
   — Reduce the number of concurrent user programs
   — Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword (Models 4, 8, 10, and 12)
   — Eliminate CCP trace by TRACEBLK-0 in assignment or startup (Models 4, 8, 10, and 12)
   — Suppress the use of the program request count table
   — Regenerate CCP to eliminate any unnecessary functions (Models 8, 10, 12, and 15)
   — Omit any TRACEMLMP or TRACEMLTA (Models 8, 10, 12, and 15) specifications
   — Ensure that consecutive numbers (beginning with 1) are used for the ATTRID keyword in assignment
   — Install a minimum CCP system (3270 only) if possible (Model 4)

SU681 *ERROR* CORE EXHAUSTED WHILE BUILDING USER TASK CONTROL BLOCKS

Reason: There is insufficient main storage to build the user task control blocks.

Recovery: Perform the following:

1. – Model 4, get the log printout.
   – Models 8, 10, and 12, save the console printout.

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   – Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   – Reduce the CCP minimum user program area
   – Reduce the minimum teleprocessing dynamic buffer area
   – Reduce the number of concurrent user programs
   – Reduce the size of the CCP in-storage trace table if using the TRACEBLK keyword
   – Eliminate CCP trace by TRACEBLK-0 in assignment
   – Suppress the use of the program request count table
   – Regenerate CCP to eliminate any unnecessary functions (Models 8, 10, and 12)
   – Omit any TRACEMLMP or TRACEMLTA (Models 8, 10, and 12) specifications
   – Ensure consecutive numbers (beginning with 1) are used for the ATTRID keyword in assignment
   – Reduce the number of terminals specified in assignment
   – Reduce the number of TERMNAMEs in assignment
   – Suppress any unused teleprocessing lines and terminals
   – Install a minimum CCP system (3270 only) if possible (Model 4)

SU682 *ERROR& $$SLP1 NOT FOUND ON THE SYSTEM PACK

Reason: Serial printer data management module ($$SLP1) was not found on the system pack.

Recovery: Make sure $$SLP1 is on the system pack prior to restarting CCP.

SU691 *ERROR* CORE EXHAUSTED WHILE BUILDING SYMBOLIC FILE SPECIFICATION BLOCKS

Reason: There is insufficient main storage to build symbolic file specification blocks.

Recovery: Perform the following:

1. – Model 4, get the log printout.
   – Models 8, 10, and 12, save the console printout.

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   – Reduce the number of file specification blocks (by assignment)
   – Reduce the number of files in the assignment set (disk files and symbolic filenames)
   – Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   – Reduce the CCP minimum user program area
   – Reduce the minimum teleprocessing dynamic buffer area
   – Reduce the number of concurrent user programs
   – Reduce the size of the CCP in-storage trace table (or eliminate CCP trace by TRACEBLK-0) in assignment
   – Reduce the number of terminals in the assignment set
   – Reduce the number of TERMNAMEs in assignment
   – Suppress any unused terminals or lines
   – Suppress the use of the program request count table
   – Regenerate CCP to eliminate any unnecessary functions (Models 8, 10, and 12)
   – Omit any TRACEMLMP or TRACEMLTA (Models 8, 10, and 12) specifications
   – Ensure that consecutive numbers (beginning with 1) are used for the ATTRID keyword in assignment
   – Install a minimum CCP system (3270 only) if possible (Model 4)

SU701 *ERROR* CORE EXHAUSTED WHILE BUILDING SECTOR ENQUEUE BLKS

Reason: This message is issued when there is insufficient main storage to build sector enqueue blocks for file sharing.

Recovery: Perform the following:

1. — Model 4, get the log printout
   — Models 8, 10, and 12, save the console printout.

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   — Reduce the number of system enqueue blocks (by assignment)
   — Reduce the number of files in the assignment set
   — Increase the size of the program level in a DPF system (Models 8, 10, and 12)
   — Reduce the number of terminals in the assignment set
   — Reduce the number of TERMNAMEs in assignment
   — Suppress any unused terminals or lines
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic buffer area
   — Reduce the number of concurrent user programs
   — Reduce the size of the CCP in-storage trace table (or eliminate CCP trace by TRACEBLK-0) in assignment
   — Suppress the use of the program request count table
   — Regenerate CCP to eliminate any unnecessary functions (Models 8, 10, and 12)
   — Omit any TRACEMLMP or TRACEMLTA (Models 8, 10, and 12) specifications
   — Ensure that consecutive numbers (beginning with 1) are used for the ATTRID keyword in assignment
   — Install a minimum CCP system (3270 only) if possible (Model 4)

SU710 *ERROR* MULTIVOLUME FILES NOT SUPPORTED, FILENAME: ********

Reason: This message tells you the multivolume filename that was specified by OCL when CCP was initiated.

Recovery: Perform the following:

1. None at this time; however, when reinitiating CCP, the OCL for this disk file must be omitted.

2. The system manager should remove from the assignment specifications those DISKFILE statements pertaining to the multivolume file.

SU715 *ERROR* MISSING OCL, FILENAME: ********

Reason: An OCL FILE statement was not entered when CCP was initiated and you did not suppress the use of the disk file defined in the file control table.

Recovery: None at this time; however, when reinitiating CCP, include a FILE statement for this file or suppress the use of the file.

Model 15 (Program Number 5704-SC1):

SU725 *ERROR* CORE EXHAUSTED
WHILE BUILDING SHORT DTF'S

Reason: There is insufficient main storage for CCP to
build skeleton disk file DTFs.

Recovery: Perform the following:

1. – Model 4, get the log printout.
   – Models 8, 10, and 12, save the console printout.
   – Model 15, save the system history.

   Consult with the system manager about how to
   conserve main storage.

2. The system manager can reconfigure the size of
   various items to make more main storage available
   as follows:
   – Reduce the number of disk files (through
     assignment or operator suppression)
   – Increase the size of the program level in a DPF
     system (for Models 8, 10, and 12) or program
     partition (Model 15)
   – Reduce the number of terminals in the assign-
     ment set
   – Reduce the number of TERMNAMEs in
     assignment
   – Suppress any unused terminals or lines
   – Reduce the CCP minimum user program area
   – Reduce the minimum teleprocessing dynamic
     buffer area
   – Reduce the number of concurrent user programs
   – Reduce the size of the CCP in-storage trace
     table (or eliminate CCP trace by TRACEBLK-0)
     in assignment
   – Suppress the use of the program request count
     table
   – Regenerate CCP to eliminate any unnecessary
     functions (Models 8, 10, 12, and 15)
   – Omit any TRACEMLMP or TRACEMLTA
     (Models 8, 10, 12, and 15) specifications
   – Ensure that consecutive numbers (beginning
     with 1) are used for the ATTRID keyword in
     assignment
   – Install a minimum CCP system (3270 only) if
     possible (Model 4)

SU726 *ERROR* $CCPFILE CANNOT BE
MODIFIED DURING CCP EXECUTION

Reason: There is insufficient free disk space in the
active $CCPFILE to allow the user the ability to
modify assignment sets during CCP execution.
Assignment sets in a $CCPFILE, that CCP is not

currently using, may still be modified. Diagnostics
only will be performed on the active $CCPFILE.

Recovery: No action necessary. However, to allow
the ability to modify assignment sets in this currently
used $CCPFILE during CCP execution, startup CCP
again after increasing the size of $CCPFILE.

SU727 *ERROR* CORE EXHAUSTED WHILE
BUILDING SYMBOLIC FILE REFERENCE
POINTERS

Reason: There is insufficient main storage to complete
building the symbolic filenames and pointers.

Recovery: Perform the following:

1. – Model 4, get the log printout.
   – Models 8, 10, and 12, save the console printout.

   Consult with the system manager about how to
   conserve main storage.

2. The system manager can reconfigure the size of
   various items to make more main storage available
   as follows:
   – Reduce the number of disk files (through
     assignment or operator suppression)
   – Define fewer programs in the assignment set
   – Increase the size of the program level in a DPF
     system (Models 8, 10, and 12)
   – Reduce the CCP minimum user program area
   – Reduce the minimum teleprocessing dynamic
     buffer area
   – Reduce the number of concurrent user
     programs
   – Reduce the size of the CCP in-storage trace table
   – Eliminate CCP trace by TRACEBLK-0 in
     assignment
   – Suppress the use of the program request count
     table
   – Regenerate CCP to eliminate any unnecessary
     functions (Models 8, 10, and 12)
   – Omit any TRACEMLMP or TRACEMLTA
     (Models 8, 10, and 12) specifications
   – Reduce the number of terminals in the assign-
     ment set
   – Reduce the number of terminal names in the
     assignment set
   – Suppress any unused line or terminal
   – Ensure that consecutive numbers (beginning
     with 1) are used for the ATTRID keyword in
     assignment
   – Install a minimum CCP system (3270 only) if
     possible (Model 4)

SU728   ACCESS METHOD CONFLICT WITH
FILE ********

Reason: In processing multiple files by use of labels, CCP is attempting to open the file named in the error message. However, one or more of the OCL FILE statements that reference this file (via the LABEL parameter) specifies an access method that is not valid for this assignment set.

Recovery: Check the access methods given for this file in the listing of the current assignment set.

SU730   *ERROR* INVALID FILENAME OR
LABEL: ********

Reason: An OCL FILE statement is included when CCP is initiated and a prohibited value is included on the NAME or LABEL keyword. Currently, the only prohibited disk file names or labels are: MLTERFIL and $CCPFILE (Models 8, 10, 12, and 15); $CCPFILE and $CCPLOG (Model 4).

Recovery: None at this time; however, when reinitiating CCP, omit the FILE statement containing the invalid name or label.

SU735   *ERROR* FILE NOT FOUND OR
DUPLICATE FILENAME: ********

Reason: An OCL FILE statement is included when CCP is initiated. This statement specifies a multi-volume file that cannot be found or two or more OCL FILE statements are included when CCP is initiated and the statements have the same NAME— keyword value.

Recovery: None at this time; however, when reinitiating CCP be sure all files required are built, or omit the file statement not required, or omit the duplicate file statement.

SU751   PREVIOUS ERRORS, NO DISKFILES
OPENED

Reason: Disk files are not opened because of previous errors (denoted by error messages).

Recovery: None.

SU753   OPENING DISKFILES

Reason: CCP is beginning to open the disk files.

Recovery: None.

SU755   *ERROR* CORE EXHAUSTED WHILE
BUILDING SDF ADDR/NAME LIST

Reason: There is insufficient main storage to build the short DTF address and short DTF name list.

Recovery: Consult with the system manager on how to conserve main storage.

SU759 *ERROR* CORE EXHAUSTED WHILE BUILDING MASTER INDEXES

Reason: There is insufficient main storage to build master indexes for those files which you indicated CCP should build one master index entry per cylinder of file index. The master indexes for which an amount of main storage was specified are already built.

Recovery: Perform the following:

1. – Model 4, get a log printout.
   – Models 8, 10, and 12, save the console printout.

   Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   – Eliminate one or more master indexes by assignment
   – Suppress or eliminate unused disk files or symbolic filenames from the assignment set
   – Increase the size of the program level in a DPF system (Models 8, 10, and 12) or program partition (Model 15)
   – Reduce the CCP minimum user program area
   – Reduce the minimum teleprocessing dynamic buffer area
   – Reduce the number of concurrent user programs
   – Reduce the size of the CCP in-storage trace table (or eliminate CCP trace by TRACEBLK-0) in assignment (Models 4, 8, 10, and 12)
   – Suppress the use of the program request count table
   – Regenerate CCP to eliminate any unnecessary functions
   – Omit any TRACEMLMP or TRACEMLTA (Models 8, 10, 12, and 15) specifications
   – Ensure that consecutive numbers (beginning with 1) are used for the ATTRID keyword in assignment
   – Reduce the number of programs in the assignment set
   – Reduce the number of terminals in the assignment set
   – Reduce the number of terminal names (TERM-NAMEs) in the assignment set
   – Suppress any unused lines or terminals
   – Install a minimum CCP system (3270 only) if possible (Model 4)

SU800 *ERROR* MODULE ****** NOT FOUND

Reason: Startup could not locate the module on the program pack.

Recovery: The modules are built during generation so be sure the proper CCP is being used. Call IBM for software assistance if the problem persists.

SU801 *ERROR* UNABLE TO INITIALIZE MODULE ******

Reason: Generation did not build this module in a way that will allow startup to initialize it.

Recovery: Call IBM for software assistance.

SU805 *ERROR* RESIDENT CCP TOO SMALL FOR REMAP

Reason: The amount of main storage occupied by resident CCP code in $CC4 is insufficient for remap.

Recovery: Call IBM for software assistance.

SU810 *ERROR* PROGRAM LEVEL MUST BE ON A 2K BOUNDARY

Reason: There are only three ATRs available from the unmapping of $CC4 and the position of the program level requires four ATRs to map the remap area in program level 1.

Recovery: Use the PARTITION statement to set the program level to any multiple of 2048 bytes.

SU901   *ERROR* TRANSIENT $CC4** NOT FOUND

Reason: The named first-level transient module (one called from resident code) could not be located on the pack from which CCP was initiated.

Recovery: Perform the following:

1. Consult with the system manager to determine the location of this module.

2. List the directory of the production pack object library when CCP terminates.

Models 8, 10, and 12:

3. The system manager should compare the current production pack object library directory listing with the one made immediately after CCP Generation. If the module was not available immediately after CCP Generation, call your IBM customer engineer for assistance. Use the backup copy of pack for copying the module if it is available. If the backup pack is not available and the module was on the production pack immediately after CCP Generation, your IBM customer engineer can help you find its *pregeneration* name on the distribution pack and you can copy with a rename of the module. An alternative is regenerating CCP.

SU915   DYNAMIC T/P BUFFER AREA = ***** BYTES

Reason: This message tells you the actual size of the dynamic teleprocessing buffer after all CCP control blocks have been built.

Recovery: None.

SU916   USER PROGRAM AREA = ****K

Reason: This message tells you the actual size of the user program area. It is the same size that was specified during assignment or specified earlier during startup as the minimum user program area.

Recovery: None.

SU917   UNALLOCATED CORE = ****K

Reason: This message tells you the amount of available main storage not currently allocated to any CCP function.

Recovery: None.

SU918   SPECIFY ANY EXTRA USER PROGRAM AREA (NN.NNK)

Reason: This message tells you to specify the amount of unallocated main storage that is to be allocated to the user program area. The format of the response is also shown.

Recovery: Perform one of the following:
- Enter a value, using the format NN.NNK, specifying the amount of unallocated main storage (see message SU917) that is to be allocated to the user program area. The remainder is automatically allocated to dynamic teleprocessing buffer area.
- To allocate all of the unallocated main storage to the teleprocessing buffer area, press:
    Model 4, PROG START
    Models 8, 10, and 12, END

SU919   DYNAMIC T/P AREA OF ***** BYTES IS INADEQUATE FOR PRUF PROGRAMS

Reason: The current PRUF programs require more buffer area than was allocated to the teleprocessing area.

Recovery: After CCP shutdown and ET is displayed, restart CCP and allocate more space in area for T/P BUFFER-AREA.

SU921   *ERROR* INVALID SYNTAX

Reason: This message tells you that the format of your response was invalid. CCP waits for your response.

Recovery: Perform one of the following:
- Reenter the specification using the correct format.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU925   *ERROR* INVALID RESPONSE

Reason 1: This message is issued when you specify a terminal to be placed offline and the terminal ID is invalid.

Recovery 1: Perform one of the following:
- Enter a valid 2-character terminal ID.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

Reason 2: This message is issued when you specify additional user program area and the value specified exceeds unallocated main storage.

Recovery 2: Perform one of the following:
- Enter a valid main storage size.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU940   SPECIFY ANY OFFLINE TERMINAL ID

Reason: This message tells you that you may now specify the 2-character ID (reference assignment) of any terminal to be initially set offline. This offline specification applies to those terminals specified during assignment as online. Setting a terminal offline does not preclude its further use. When the terminal is available, you may include it in the system by setting in online (vary command).

Recovery: Perform one of the following:
- Enter a 2-character terminal ID. After each valid 2-character entry, the system waits again.
- When you press one of the following keys without entering an ID, CCP bypasses setting any additional terminals offline:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU941   TWO NON-BLANK CHARACTERS REQUIRED

Reason: This message is issued after SU940 and tells you that one character and a blank was entered instead of a 2-character ID. CCP waits for your reply.

Recovery: Perform one of the following:
- Enter a valid 2-character terminal ID.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU942   TERMINAL ALREADY OFFLINE

Reason: This message is issued when you specify a terminal to be set offline and the terminal was previously set offline either by an assignment specification or by you during startup.

Recovery: Perform one of the following:
- Enter another terminal ID.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU945   TERMINAL ID NOT FOUND

Reason: This message is issued when the 2-character terminal ID you entered does not match any unsuppressed (at startup) terminal ID defined in the current assignment set. CCP waits for your reply.

Recovery: Perform one of the following:
- Enter a valid 2-character terminal ID.
- Press:
    Model 4, PROG START
    Models 8, 10, and 12, END
    Model 15, ENTER

SU950 NOT ENOUGH CORE FOR MLTA LINE BUFFERS

Reason: There is insufficient main storage to complete the building of MLTA teleprocessing line buffers.

Recovery: Perform the following:

1. Save the history area and consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   - Increase the size of the program partition
   - Reduce the CCP minimum user program area
   - Reduce the minimum teleprocessing dynamic buffer area
   - Omit any TRACEMLTA or TRACEMLMP specification
   - Use consecutive numbers (starting with 1) for ATTRID in assignment to reduce disk space and main storage
   - Suppress the use of the program request count table
   - Regenerate CCP to eliminate any unnecessary functions

SU951 *ERROR* UNABLE TO OPEN MLTA ADAPTER

Reason: This message is issued during CCP Startup when the MLTA open routines could not successfully open the MLTA adapter DTF, or line DTF.

Recovery: Call IBM for software assistance if the problem persists.

SU952 *ERROR* UNABLE TO OPEN MLTALINE—* CODE—**

Reason: This message is issued during CCP Startup when the MLTA open routines were unable to open the specified line DTF. MLTALINE—* indicates the MLTA line number which could not be opened. CODE—** indicates the MLTA return code issued when the line could not be opened. The return codes and reasons are described in the *IBM System/3 Multiple Line Terminal Adapter RPO Program Reference and Component Description Manual*, GC21-7560.

Recovery: After CCP has shut down and EJ is displayed, you may restart CCP and suppress the use of the problem MLTA line. If the problem persists, call IBM for hardware assistance.

Note: There is no corresponding message for BSCA CCP systems because the normal BSCA open halts and messages appear for open errors. The appropriate responses for these errors are given in the *IBM System/3 Model 10 Disk System Halt Guide*, GC21-7540, or the *IBM System/3 Model 12 Operator's Guide*, GC21-5144.

Models 8, 10, and 12:
SU953 CCP TERMINATED

Reason: Errors have occurred during CCP Startup.

Recovery: Make appropriate changes and attempt Startup again.

Model 15:
SU953 CCP STARTUP TERMINATED

Reason: Previous errors prevent CCP Startup from completing. Even though errors were recognized and noted earlier, the actual termination of startup is held off as long as possible to detect any subsequent errors.

Recovery: Review previous messages to determine the cause (or causes) of termination, correct the error(s), and then restart CCP.

SU954   ADDRESSING INCOMPATIBILITY, MOVDFF IS NOT SUPPORTED

Reason: Due to the size and placement of resident CCP modules, addressability to the DFF control module cannot be maintained.

Recovery: Changing CCP generation statements may eliminate this condition. Specify MOVDFF-YES or MOVTNT-YES or both at generation.

SU955   NOT ENOUGH CORE FOR MODULE $CC4#2

Reason: The size of the partition is insufficient to run the CCP system that has been generated or portions of $CC4#2 are not addressable.

Recovery: Perform the following:

1. Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   — Define fewer programs in assignment
   — Increase the size of the program partition
   — Reduce the CCP minimum user program area
   — Reduce the minimum teleprocessing dynamic buffer area
   — Reduce the number of terminals in the system
   — Reduce the number of TERMNAMEs in assignment
   — Reduce the number of concurrent user programs
   — Suppress the use of the program request count table
   — Regenerate CCP to eliminate any unnecessary functions
   — Omit any TRACEMLMP or TRACEMLTA specifications
   — Ensure that consecutive numbers (beginning with 1) are used for the ATTRID keyword in assignment
   — Reduce the size of master main storage index for 5444 files. (Model 15, Program Number 5704-SC1)
   — Specify DFFINDX—YES on the //bsystem assignment statement if the system utilizes DFF. This produces the EPL (external pointer list). (Model 15, Program Number 5704-SC2)

SU956   MODULE $CC4DF NOT FOUND ON PROGRAM PACK

Reason: The DFF control module, $CC4DF, was not found in the object library of the CCP program pack.

Recovery: Copy $CC4DF from the PID pack to the CCP program pack using $MAINT.

SU957   NOT ENOUGH CORE FOR BSCA LINE BUFFERS

Reason: There is insufficient main storage to complete the building of the BSCA teleprocessing line buffers.

Recovery: Perform the following:

1. Save the history area and consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to increase main storage by:
   — Increasing the size of the program partition
   — Reducing the CCP minimum user program area
   — Reducing the minimum teleprocessing dynamic buffer area
   — Omitting any TRACEMLTA or TRACEMLMP specification
   — Using consecutive numbers (starting with 1) for ATTRID in assignment to reduce disk space and main storage
   — Suppressing the use of the program request count table
   — Regenerating CCP to eliminate any unnecessary functions

SU958   *ERROR* DFF ADDRESSING INCOMPATIBILITY

Reason: The DFF control module, $CC4DF, extends beyond logical address X'8800', which does not allow addressing of all necessary areas of the CCP.

Recovery: Perform the following:

1. Select MOVDFF-YES on EFAC statement during CCP generation.

2. Reduce the number of terminals supported for this startup.

3. Decrease the size of the resident portion of CCP (see Appendix F in *IBM System/3 Model 15 Communications Control Program System Reference Manual*, GC21-7620).

SU960 *ERROR* OUT OF CORE BUILDING TPBUF

Reason: The size of the partition is insufficient to run the CCP system that has been generated.

Recovery: Perform the following:

1. Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the size of various items to make more main storage available as follows:
   - Define fewer programs in assignment
   - Increase the size of the program partition
   - Reduce the CCP minimum user program area
   - Reduce the minimum teleprocessing dynamic buffer area
   - Reduce the number of terminals in the system
   - Reduce the number of TERMNAMEs in assignment
   - Reduce the number of concurrent user programs
   - Suppress the use of the program request count table
   - Regenerate CCP to eliminate any unnecessary functions
   - Omit any TRACEMLMP or TRACEMLTA specifications
   - Ensure that consecutive numbers (beginning with 1) are used for the ATTRID keyword in assignment

SU962 *ERROR* OUT OF CORE LOADING SIOC

Reason: The size of the partition is insufficient to run the CCP system that has been generated.

Recovery: Perform the following:

1. Consult with the system manager on how to conserve main storage.

2. The system manager can reconfigure the sizes of various items to make more main storage available as follows:
   - Increase the size of the program partition
   - Reduce the CCP minimum user program area
   - Reduce the minimum teleprocessing dynamic buffer area
   - Regenerate CCP to eliminate any unnecessary functions
   - Omit any TRACEMLMP or TRACEMLTA specifications

SU963 SIOC ALLOCATED TO ANOTHER PARITION

Reason: The serial I/O channel is allocated to another program partition.

Recovery: Restart CCP after other partitions have gone to EOJ.

SU965   T/P BUFFER IS ****** BYTES, USER
PROGRAM AREA IS *** K.
(UPA IS TOO SMALL)

Reason: This message tells you the actual sizes of the
dynamic teleprocessing buffer area and the user
program area after all CCP control blocks have been
built. The message in parentheses is displayed only if
the user program area is smaller than specified during
assignment and/or startup. If so, a halt with options
0, 2, and 3 is issued. Option 0 is not allowed if the
user program area is smaller than 6K for Program
Number 5704-SC1 or 8K for Program Number
5704-SC2.

Recovery: None necessary unless user program area is
too small. In this case, the options are:
  0 — Continue; execute using available area
  2 — Go to end of job; close disk files
  3 — Go to end of job; do not close disk files

SU970   *ERROR* MINTPBUF VALUE TOO SMALL

Reason: The teleprocessing buffer size for this startup
is smaller than required.

Recovery: Specify a larger value for MINTBUF.

SU997   OPENING COMMUNICATION LINES

Reason: This message is issued unless CCP terminated by
error. It tells you that the initialization phase of CCP
has successfully completed and control has been yielded
to the resident portion of CCP to open communication
lines.

Recovery: None.

SU999   ERROR DURING STARTUP, CCP
TERMINATED

Reason: An error occurred during the startup of CCP
that prevented CCP from continuing and yielding
control to the resident CCP control program. A
previous message stated the reason.

Even though errors were recognized and noted earlier,
the actual termination of CCP is held off as long as
possible to detect any subsequent errors.

Recovery: Review the console printout to determine the
cause of the termination, correct the error, and then
restart CCP.

The application program, a command terminal, a disk system routine, or CCP can issue a message. Each message begins on a new line.

PROGRAM MESSAGE

The application program issues this message. The format of the program message is:

rt:name/nnn text

r   An asterisk (*) indicates the message requires a reply. A blank indicates no reply is required.

t   The task-ID of the application program. Use it as a reference identifier when making replies and issuing certain commands.

name   The name of the application program.

nnn   A reference number used for clarification of the text that follows:

Reference Number	Message Type
None	Output only
990	Output only
991	Halt only
992	Message only
993	Message and halt

text   The application program message.

Messages 990-993 are issued via the disk system management halt facility (halt/syslog). A user program is not permitted to halt via halt/syslog except for specific halts representing temporary I/O error conditions. Temporary I/O error halts appear in the message display unit. Other halts issued by or for a user task cause CCP to cancel that user task with a task completion code.

Your Reply to a Program Message

You must make a reply to a message when the first position of the message line contains an asterisk. The display replies command can be used to determine if any tasks are waiting for your reply.

The following is an example of a reply message:

1/sample text

Your reply message

Slash
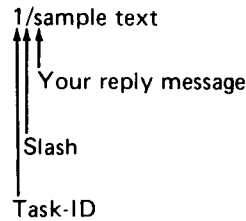
Task-ID

Use the following procedure to repond to a message:

1. Key in the one character task-ID. This indicates the task to which this reply is being made and is the same character that was printed in the second character position of the output message that requested the reply.

2. Key the single character slash (/).

3. Key the text of the reply.

4. Press:

Model 4	PROG START
Models 8, 10, and 12	END
Model 15	ENTER

BSCA Message

BSCA refers to terminals attached via BSCA, by the display adapter, or BSCC.

Completion codes are logged on the console. They are issued as a CCP message with reference number 990; the text of the message has the following format:

BSCA LINE— {1, 2, 3, or 4} , CODE cc—(description),

TERMINAL ADDRESS—(characters)

cc	Completion code
characters	Polling or addressing characters
TERMINAL ADDRESS	Printed for control stations only

Test Message Transmitted

This message is issued as a CCP message with reference number 990; the text of the message has the following format:

```
* BSC ONLINE TEST, LINE  {1, 2, 3, or 4}

[TERMINAL ADDR HEX hexadecimal]

MESSAGE TYPE tt, MESSAGE COUNT cc

ACK RCVD    NAK RCVD   TIMEOUT    INVLD MSG

   xx          xx         xx          xx

* END ONLINE TEST
```

TERMINAL ADDR HEX hexadecimal	Identifies the terminal to which the test message was sent if the logging station is a control station.
tt	Identifies the test message type.
cc	Number of times the test message was to be transmitted.
ACK RCVD xx	Number of times ACK was received as a reply to the test message.
NAK RCVD xx	Number of times NAK was received as a reply to the test message.
TIMEOUT xx	Number of 3-second receive time-outs recorded during the online test.
INVLD MSG xx	Number of invalid replies received in response to test messages sent.

Test Message Received

This message is issued as a CCP message with reference number 990; the text of the message has the following format:

```
* BSC ONLINE TEST, LINE  {1, 2, 3, or 4}

[TERMINAL ADDR HEX hexadecimal]

MESSAGE TYPE tt, MESSAGE COUNT cc

TXT RCVD    DATA CHK   TIMEOUT    INVLD MSG

   xx          xx         xx          xx

* END ONLINE TEST
```

TERMINAL ADDR HEX hexadecimal	Identifies the terminal that transmitted the test message if the logging station is a control station.
tt	Identifies the test message type.
cc	Number of times the test message was to be transmitted.
TXT RCVD xx	Number of times the test message was received correctly.
DATA CHK xx	Number of data checks recorded during the online test.
TIMEOUT xx	Number of 3-second received time-outs recorded during the online test.
INVLD MSG xx	Number of test messages received incorrectly for which a data check or time-out was not recorded.

MESSAGES

ABRT

Reason: CCP has reached a point where the entire system is being held up because the console is not available for output. Therefore, CCP terminates the current input operation at the console and begins output to the console. This situation can occur when insufficient buffer space exists due to a number of messages queued for output to the console.

Recovery: Reenter the ignored data when the console output ceases.

Model 15 (Program Number 5704-SC2):
CCP TRACE HAS ENCOUNTERED A DISK ERROR, TRACE TO DISK IS TERMINATED

Reason: A permanent disk error occurred while CCP trace was writing the main storage trace table to disk file $CCPDUMP.

Recovery: Create a new $CCPDUMP file using module $CC1DP.

Note: When this message is issued, main storage tracing continues. Tracing to disk will not be possible again for this CCP execution.

CNCL

Reason: The system operator has pressed the CANCEL key on the console.

Recovery: Reenter data.

FORM

Reason: A forms check has occurred on the console.

Recovery: Correct the forms check and press HALT RESET/START to clear the blank F halt.

I/O ATTN— MFCU / PRNTR / 1442

Reason: The device is in use by a user program and must be made ready before the program may continue processing.

Recovery: Ready the device.

000 CCP STARTED

Reason: Initialization of CCP and opening of communications lines has been successfully completed. CCP is now ready for terminal communication.

Recovery: None.

010 *******: UNABLE TO OPEN

Reason: Unable to open file ******* for reasons listed for termination code 82 (see Chapter 4, *Termination Codes*). This message is followed by message 526.

Recovery: Follow procedure defined by the specific termination code.

022 REJECTED-PGM-REQUEST PENDING/ACTIVE

Reason: You have attempted to change the queue/no-queue status while a program request you made is still pending or a user program is still processing your input data.

Recovery: Wait until the program you requested has finished processing your input data and then retry the Queue or No-queue command.

060 REJECTED-NO BUFFER

Reason: Insufficient buffer space available for your program request from the console to be processed.

Recovery: Retry the program request. It is accepted when a console request buffer becomes available.

061 CONSOLE NOT AVAILABLE FOR REQUESTS

Reason:
- You have entered a program request and the last program you requested from the console either has not started or the program has started but has not yet read your input data.
- You have entered a program request but the TP buffer size for this startup is too small to allow for requests from the console.

Recovery:
- Wait for the console to be released or the program to terminate prior to entering another program request.
- Rerun the CCP assignment with a larger value for MINTPBUF.

066 I/O ERROR ON PCT FILE-PROGNAME '******'

Reason: A permanent disk I/O error has occurred during the program request processing of program ******

Recovery: The error may continue to occur for this program or for other programs. If it does, shut down CCP using the shut down command, and analyze the problem. A subsequent run of CCP may be successful or an assignment run may have to be made first. If you cannot determine the cause of the error, call IBM customer engineering for hardware support.

093 REJECTED-PGM-REQUEST PENDING/ACTIVE

Reason: You have a program request pending, or a program which you requested has not yet processed your input data. During this time you may not change any symbolic file specification with a file command.

Recovery: Enter the file command after the program has released the console or has terminated.

180 OK

Reason: The unit record device has been allocated or deallocated as requested.

Recovery: None.

181 CCP ALREADY HAS DEVICE

Reason: Allocation of a unit record device to the CCP level was requested, but CCP already owns the device.

Recovery: None.

182 OTHER LEVEL ALREADY HAS DEVICE

Reason: Deallocation of a unit record device was requested, but CCP does not own the device.

Recovery: None.

183 DEVICE NOT DEFINED TO CCP

Reason: Allocation or deallocation was requested, but the unit record device was not defined to CCP at assignment time.

Recovery: None.

184 NOT DPF SYSTEM

Reason: Deallocation of a unit record device was requested, but this is not a DPF system.

Recovery: None.

185 DEVICE IN USE BY CCP

Reason: Deallocation of a unit record device was requested, but the device is required by a task in the CCP level.

Recovery: None.

186 SYNTAX ERROR

Reason: A syntax error was detected in the allocation specification.

Recovery: None.

187 SCHEDULER INTERLOCK — RETRY

Reason: Allocation or deallocation of a unit record device was requested, but the other program level is performing some function that prohibits the required action from being performed.

Recovery: Retry the option.

188 DEVICE NOT AVAILABLE

Reason: Allocation of a unit record device was requested, but the device is currently allocated to the other program level.

Recovery: Retry when the other program level is not using the device.

189 ALLOCATE REQUEST REJECTED-DISK ERROR

Reason: A disk error was encountered during an attempt to allocate or deallocate a unit record device.

Recovery: Retry the command. If failures repeatedly occur, call IBM customer engineering for harware assistance.

211 NO REPLY PENDING

Reason: A display replies command was entered and there are no outstanding reply requests.

Recovery: None.

220 AWAITING REPLIES

Reason: This is a header message in response to a display replies command. A list of tasks awaiting a reply is printed on subsequent output lines.

Recovery: None.

221 TASK ID=n

Reason: This line is a detail message in response to a display replies command and is printed for each task in the system that is awaiting a reply to some previous output messsage. The specific message can be found by finding the output line with an asterisk in position 1 and the task ID (n) in position 3.

Recovery: None.

240 SYMBOLIC TERMINAL NAME 'PHYSICAL ID'

Reason: This message is issued in response to a display terminal assignments command. The message number is followed by the current terminal names.

Recovery: None.

241 SYNTAX ERROR

Reason: This message is issued in response to a display terminal assignments command when the terminal name was entered incorrectly.

Recovery: Correct the command and retry.

242 INVALID SYMBOLIC NAME

Reason: This message is issued in response to a display terminals command when a symbolic name was used as an operand and the name is not defined in the system.

Recovery: Correct the error and retry.

261 INVALID OPERAND

Reason: This message is issued in response to a display terminals command and the terminal name input is invalid.

Recovery: Correct the error and retry.

Operational Stage

270 $\left\{\begin{array}{l} \text{TERMID}-'**' \\ \text{TERMNAME}-'******' \end{array}\right\}$ TASK$-\#$ $\left\{\begin{array}{l} \text{ONLINE} \\ \text{OFFLINE} \end{array}\right\}$

MODE$-$ $\left\{\begin{array}{l} \text{CMD} \\ \text{CMDI} \\ \text{DATA} \\ \text{INIT} \\ \text{STBY} \end{array}\right\}$ REQ$-$ $\left\{\begin{array}{l} \text{Y} \\ \text{N} \end{array}\right\}$

FSB$-\#$ [**ERP*] [*TEST*]

Reason: This message is issued in response to a display terminals command. If the request is by physical terminal ID, TERMNAME$-$****** contains the current symbolic name. If the request is by symbolic name, the TERMID$-$** contains the physical ID of the terminal. The TASK$-\#$ is a P if the terminal is not currently assigned to a program. If it is assigned to a program, it is the assigned task number of the program. ONLINE or OFFLINE indicates if the terminal is available to CCP. MODE indicates the current terminal status. REQ indicates if the terminal is requesting from the owning program. FSB$-\#$ is the number of file specification blocks used by the terminal. TEST and ERP are included in the display only if the terminal is in teleprocessing error recovery or if online tests are currently being run.

You can determine whether the terminal is a requesting terminal from the combinations of the MODE and REQ values:

MODE	REQ	Terminal is
INIT	N	Not signed on.
CMD	N	Signed-on.
CMD	Y	Signed-on and has requested a program which has not yet started.
DATA	Y	Signed-on and has requested a program that is currently running.
CMDI	Y	Signed-on and has requested a program that is currently running. However, the terminal is in command interrupt mode.
STBY	N	Data (noncommand) terminal that is not in use by a program.
DATA	N	A terminal in use by a program that is currently running. The terminal did not request the program, but the program uses the terminal. This can be a data terminal or a command terminal that is not signed-on.

Recovery: None.

280   TSK PGMNAM #CORE #T #F #U $\left\{\begin{array}{l} \text{ACTIVE} \\ \text{SUSPEND} \\ \text{W}-**** \end{array}\right\}$

Reason: This message is issued as a header line after a display users command:

TSK	Task number.
PGMNAM	Name of the currently executing program.
#CORE	Main storage size of the program.
#T	Number of terminals used by the program.
#F	Number of disk files.
#U	Number of unit record devices.
STATUS	Current status of the task. The status is active, suspended, or waiting. If the status is waiting, the wait mask of the task is printed.

Recovery: None.

281   TSK 'NAME' #CORE #T #F #U $\left\{\begin{array}{l} \text{ACTIVE} \\ \text{SUSPEND} \\ \text{W}-**** \end{array}\right\}$

$\left\{\text{*ALLOCATION*}\right\}$

Reason: This message is a detail line for message 280. A detail line is printed for each task in the system. When 3270 DFF is used, the amount of main storage designated as being used by DFF includes 4K for DFF plus the amount of storage used by the output hold area for BSCA lines 1 and 2, whether or not both lines are active.

Recovery: None.

290   TASK(S) NOT ACTIVE

Reason: This message is issued when a display users command is entered and no task is active.

Recovery: None.

291   SYNTAX ERROR

Reason: This message is issued in response to a display users, [last/task ID] command when the second operand is invalid.

Recovery: None.

292   INVALID TASK ID

Reason: This message is issued when a display users task ID command has an ID not valid for CCP.

Recovery: None.

293   TASK IN ALLOCATION

Reason: This message is issued when a display users task ID command has selected a task in allocation.

Recovery: None.

295   TASK RESOURCES

Reason: This message is issued in response to a display users command. The ID is printed as a header line for the display of a task. The header is followed by a list of terminal names, disk filenames, and unit record devices.

Recovery: None.

299   LAST TASK-'TASK ID' [NO LONGER ACTIVE]

Reason: This message is issued after a display users last command. It identifies the last user task in control of the CCP and whether that task is still active.

Recovery: None.

300   QUEUE DISPLAY

Reason: This message is issued after a display queue command when program requests are waiting for resources. The message is a header line and the terminal name and program name follow it on the next line.

Recovery: None.

301   NO QUEUED PGM REQUEST

Reason: This message is issued after a display queue command when no program requests are on queue.

Recovery: None.

Operational Stage

302 'SYMBOLIC TERMINAL NAME' 'PROGRAM NAME'

Reason: This message is issued in response to a display queue command. It follows the header message 300 QUEUE DISPLAY and gives the terminal name and program name.

Recovery: None.

318 TERMINAL ALREADY ONLINE

Reason: A vary online command was issued to a terminal that is already online.

Recovery: None.

319 TERMINAL STILL BEING VARIED OFFLINE

Reason: This message is in response to a vary online command to a terminal that was earlier issued a vary offline command and that command has not yet been completed. This can occur for one of the following reasons:

- The terminal operator is still keying data in and the device could not be stopped.

- The device is a 2741 that cannot be placed offline until the next input operation occurs from it (Models 10, 12, and 15).

- The terminal is on a switched line, and the disconnect has not yet been completed.

Recovery: None. The vary offline command is eventually completed and until then no vary online command to the terminal is accepted.

Models 4, 8, 10, and 12:
320 TERMINAL VARIED ONLINE AS 'SYMBOLIC TERMINAL NAME'

Reason: A vary online command has been accepted by CCP, and the terminal is now online.

Recovery: None.

Model 15:
320 'xx' VARIED ONLINE AS 'tttttt'

Reason: A vary online command has been accepted by CCP, and the terminal is now online.

xx — terminal ID
tttttt — symbolic terminal name

Recovery: None.

321 TERMINAL BEING VARIED OFFLINE

Reason: A vary offline command has been accepted by the CCP, and the terminal has begun processing prior to being placed offline (no longer available to the system).

Recovery: None.

322 TERMINAL BEING VARIED OFFLINE—NO PRIMARY NAME

Reason: A vary offline command has been accepted by the CCP, and the terminal is no longer available (see explanation for message 321). However, there was no primary name available for the terminal, and it is still known to the system by a secondary name.

Recovery: None.

323 TERMINAL BEING VARIED OFFLINE— PRIMARY NAME REASSIGNED

Reason: The terminal is no longer available to the system (see explanation for message 321). However, the name by which the terminal was known (and used possibly as the operand of the vary offline command) is no longer the name of the terminal. The name of the terminal has reverted to its primary name, and the old secondary name is still assigned to the terminal (eligible for use at a later time).

Recovery: None.

324   SYNTAX ERROR

Models 4, 8, 10, and 12:

Reason: A vary command using the symbolic terminal
name has one of the following syntax errors:

- No comma between operands.

- Symbolic terminal name length greater than six
  characters.

- Terminal ID has missing quote (for example,
  'xxbb or 'xx,---).

Recovery: Correct the syntax error and retry the
command.

Model 15:

Reason: The terminal ID given with a vary command was
missing an apostrophe (for example, 'xxbb or 'xx,—).

Recovery: Correct the syntax error and retry the
command.

325   SYMBOLIC NAME NOT ASSIGNED TO TERMINAL

Reason: A vary command using a symbolic terminal
name was issued to a terminal. However, the terminal
name used is not assigned to any terminal, and the
vary command is rejected.

Recovery: Perform one of the following:
- Issue a vary command by using a terminal ID.
- Assign a terminal name to the terminal (assign
  command), and issue a vary command with that
  terminal name.

326   UNKNOWN SYMBOLIC NAME

Reason: A vary command by symbolic terminal name
has entered a terminal name that is not known to the
system.

Recovery: Determine the correct terminal name, or use
the terminal physical identifier as the operand of a
subsequent vary command.

327   INVALID TERMINAL ID

Reason: A vary command has been entered using a
terminal physical ID which does not correspond to
any terminal ID in the system.

Recovery: Correct the terminal ID value and reenter the
command.

328   CAN'T VARY PORT

Reason: A VARY command was entered for a port.
This is not allowed.

Recovery: None.

329   INVALID/MISSING OPERAND

Reason: The operand used to specify the vary operation
action (online or offline) is either invalid or missing.

Recovery: Correct the command syntax error and retry.

330   NOT CURRENT SYMBOLIC NAME

Reason: A vary command by symbolic terminal name
has used a name that is not the current *doing business
as name* of the terminal.

Recovery: Determine the current name of the terminal,
possibly with a display terminal assignment command,
and reenter the vary command.

331   CAN'T VARY SUB-TERMINAL

Reason: A vary command was issued using, as the first
operand, a symbolic terminal name. This name is a
subcomponent name for a multicomponent terminal
(for example, IBM 1050) and therefore cannot be
used as the argument of a vary command.

Recovery: Determine the main component name of the
terminal, and retry the command.

332   CAN'T VARY CONSOLE

Reason: A vary command has been entered using the
symbolic name of the system operators console as the
terminal to be operated on.

Recovery: None.

Operational Stage

333 TP LINE NOT OPEN

Reason: A vary online command was issued to a terminal but the terminal is on a teleprocessing line which is not open. The vary command is rejected.

Recovery: None; the terminal cannot be placed online during the current CCP run. A teleprocessing line will be opened only if included in the assignment set specified for the current run of CCP.

334 TERMINAL HAS NO SYMBOLIC NAME

Reason: A vary online command was issued to a terminal with the use of a terminal ID. However, the terminal has no symbolic terminal name associated with it, and the vary command is rejected.

Recovery: Assign a symbolic terminal name to the terminal and retry the request.

335 TERMINAL IN ONLINE TEST

Reason: A vary offline command has been attempted to a terminal that is online but has a system-operator-initiated online test in progress.

Recovery: The terminal operator may retry the vary command after the online test has been completed.

336 TERMINAL BELONGS TO USER PROGRAM

Reason: A vary offline command has been attempted to a terminal that:
— Belongs to a user program.
— Has requested a program and a program is queued.
— Has been selected by a queued program.

Recovery: None until the terminal no longer belongs to a user program.

338 TERMINAL ALREADY OFFLINE

Reason: A vary offline command has been received to a terminal that is already offline.

Recovery: None.

340 MESSAGE SENT

Reason: A successful message has been sent from the system operator to a terminal.

Recovery: None.

341 SYNTAX ERROR

Reason: A message command has been entered in which one of the following is incorrect:
— A 2-character ID was not used.
— The terminal ID was not followed by an apostrophe (').
— No text data followed the symbolic terminal name (Models 4, 8, 10, and 12).
— The symbolic name was longer than 6 characters (Models 4, 8, 10, and 12).

Recovery: Reenter the command using the correct form of the command operand.

342 INVALID TERMINAL ID

Reason: The 2-character terminal physical ID in the message command operand is not the ID of any terminal on the system.

Recovery: Enter the message command using the correct value for the terminal ID. This may be found from the display terminal assignment command.

343 UNKNOWN SYMBOLIC NAME

Reason: The symbolic terminal name of the destination terminal is not in the CCP system.

Recovery: Use the correct symbolic terminal name for the destination terminal name. This may be found from a prior message to the console from that terminal or via the display terminal assignment command.

344 NAME UNASSIGNED

Reason: A message command has been entered using, as the destination terminal, a symbolic name. The name is known to CCP; however, the name is not currently assigned to a terminal.

Recovery: Reenter the message using either the terminal physical identifier or the current *doing business as name* of the terminal for the destination signifier. This may be obtained from the display terminal assignment command or from a prior message to the system operator from that terminal.

345   NOT A COMMAND TERMINAL

Reason: The system operator has attempted to send a message to a terminal that does not have command capability.

Recovery: None.

346   TERMINAL OFFLINE

Reason: The system operator has attempted to send a message to a terminal that is not online.

Recovery: Get the terminal online by use of the vary command and then reissue the message command.

347   TERMINAL BELONGS TO USER PROGRAM

Reason: An attempt has been made to send a message to a terminal that is currently in use by an application program.

Recovery: The command may be reissued after either:
- The terminal is released by the program.
- The program is terminated.

Terminal usage may be determined by use of the display terminals command.

348   MESSAGE TOO LONG

Reason: The text of the message command is longer than the terminal can handle.

Recovery: Correct the command and retry.

349   TERMINAL IS A PORT

Reason: An attempt was made to send a message to a port. This is not allowed.

Recovery: None.

350   TERMINAL IN ERROR RECOVERY

Reason: This message is issued in response to a message command or a vary offline command when the requested terminal is in error recovery.

Recovery: None.

352   TERMINAL IN TEST

Reason: This message is issued in response to a message command when the requested terminal is in online test status.

Recovery: None.

353   LINE DISCONNECTED

Reason: This message is issued in response to a message command when the specified terminal is on a switched line and the line is disconnected.

Recovery: None.

360   NAME ASSIGNED

Reason: This message is issued after a successful assign command.

Recovery: None.

361   SYNTAX ERROR

Reason: This message is issued in response to an assign command if the input format is incorrect.

Recovery: Reenter the operands in the correct format.

Operational Stage

362   INVALID/MISSING OPERAND

Reason: This message is issued in response to an assign command if:
- An operand is missing (Models 4, 8, 10, and 12).
- An invalid physical terminal ID was entered.
- An invalid symbolic terminal name was entered.
- An invalid switched terminal table index number was entered.

Recovery: Retry using the right operands. Perhaps use the display command to get missing information.

363   NAME NOT KNOWN

Reason: This message is issued in response to an assign command if the symbolic terminal name entered does not exist in the system.

Recovery: Retry using the correct name. Use the display command to determine the correct name.

364   CAN'T ASSIGN SUB-TERMINAL NAME

Reason: This message tells you if the symbolic terminal name was a subterminal name for a multicomponent terminal like 1050.

Recovery: Retry with the right name. If not known, use display command.

365   CAN'T ASSIGN CONSOLE

Reason: This message is issued if the symbolic name CONSOL cannot be assigned to a terminal.

Recovery: Retry with correct symbolic name or physical ID. If not known, use the display command.

366   NAME CURRENTLY ACTIVE

Reason: The symbolic name to be assigned is the current name of another terminal.

Recovery: You might try to find out with whom the terminal is working by using the display command.

367   NAME IN USE

Reason: The name to be assigned is already being used by a program using a terminal.

Recovery: None.

368   CAN'T ASSIGN PORT

Reason: An attempt was made to assign a name to a port. This is not allowed.

Recovery: None.

369   INVALID TERMINAL ID

Reason: The given physical terminal ID is not in the system.

Recovery: Use display command to determine the correct physical ID.

370   NAME UNAVAILABLE

Reason: You attempted to take away the only name from an online terminal to assign it to another terminal.

Recovery: If you want to take the last name, you have to place the online terminal offline (vary command).

371   NAME TOO LONG

Reason: The symbolic terminal name is longer than 6 characters or the comma is not placed after the sixth character.

Recovery: Correct the error and reenter the name.

372   PHYSICAL CHARACTERISTICS DON'T MATCH

Reason: You attempted to assign names to physically different devices (for example, MLTA, BSCA, BSCC, or 3735 and 3270).

Recovery: None.

373   INVALID PHONE INDEX NUMBER

Reason: You gave an unknown number for the system.

Recovery: Determine the correct phone index number from your assignment list or run the assignment list program offline to determine the number.

374 PHONE INDEX NUMBER INVALID FOR
NONSWITCHED TERMINAL

Reason: You gave a phone index number assigning a
name to a nonswitched terminal.

Recovery: Retry without phone index number.

375 NAME ASSIGNED 'xx' NAME IS NOW xxxxxx

Reason: The current name has changed.

Recovery: None.

378 START TEST ON 'xx' $\begin{bmatrix} \text{--ALL} \\ \text{--LOOP} \end{bmatrix}$

Reason: A request to start an online test has been
accepted. The terminal to be tested is identified in
the message. If a loop test was specified, the word
--LOOP appears; if all tests were specified, the word
--ALL appears.

Recovery: None.

379 STOP LOOP TEST ON 'xx'

Reason: A request to stop a looping online test has been
accepted. The terminal is identified in the message.

Recovery: None.

381 TEST REQ. ALREADY ACTIVE

Reason: A request for an online test has been processed,
and the line was found to have a test request
outstanding.

Recovery: None, or select a different line for test.

382 STOP INVALID NOW

Reason: A request to stop an online test was processed
and found to be invalid. A stop is valid only to a
currently running looping online test.

Recovery: None, or select a different online test
option(s).

383 INVALID TEST NUMBER

Reason: A request for an online test has been processed,
and the test number that was entered was found to be
invalid.

Recovery: None, or select a different test number.

384 INVALID COUNT VALUE

Reason: A request for an online test has been processed,
and the count value that was entered was found to be
invalid.

Recovery: None, or enter a valid count value (01-99).

385 TERMINAL NOT OUTPUT CAPABLE

Reason: A request for an online test has been processed,
and the device to be tested was found not capable of
output.

Recovery: None, or select a different device for test.

386 TERMINAL OFFLINE

Reason: A request for an online test has been processed,
and the device to be tested was found to be offline.

Recovery: None, or place the device online and enter the
test request again, or enter another test request specify-
ing a different device.

387 TERMINAL IN DATA MODE

Reason: A request for an online test has been processed,
and the device to be tested was found to be in data
mode.

Recovery: None, or place the device selected in command
mode and enter the test request again, or enter another
test request specifying another device.

388 SYMBOLIC NAME NOT FOUND

Reason: A request for an online test has been processed,
and the symbolic name entered was not found in the
terminal name table.

Recovery: None, or enter the test request again using a
different symbolic name, or enter the test request
again using a physical ID.

Operational Stage

389   INVALID TERMINAL ID

Reason: A request for an online test has been entered
and the physical ID entered does not match any IDs
contained within the system.

Recovery: None, or enter the test request again using
a valid terminal or line ID.

390   'XX' ONLINE TEST ENDED

Reason: This message informs the system operator that
a system-operator-initiated online test has been com-
pleted on the terminal specified by the physical
terminal ID.

Recovery: None.

391   SYNTAX ERROR

Reason: During the processing of an online test request,
a syntax error was found within the input data.

Recovery: None, or reenter the test request and correct
the error(s) previously entered.

392   'xx' ONLINE TEST NOT STARTED

Reason: The system operator has requested an online
test and CCP has validated it as a legal request. How-
ever, when the request was issued to the MLTA
IOCS, a nonzero start code was returned indicating
that the IOCS could not start the test because the:
— Line buffer is too small.
— Switched line was not connected.

Recovery:
— None.
— Reenter the same test request.
— Reenter a different test request.

393   CANNOT START OLT, LINE CLOSED

Reason: The test request is directed to a terminal that
is on a closed teleprocessing line.

Recovery: None.

394   TEST MSG. EXCEEDS 60 CHARACTERS

Reason: The test message entered as part of the BSCA
or BSCC online test request exceeds the maximum
allowable length.

Recovery: Reenter the test request using a length of 60
characters or less for the test message.

395   SWITCHED LINE NOT CONNECTED

Reason: An online test request was entered for an MLTA
terminal or a switched line. However, the switched line
is not connected and the request is rejected.

Recovery: Dial the terminal to be tested in order to
make the connection. Then issue an online test
request.

396   SELECTED TERM. NOT A CPU

Reason: The BSCA or BSCC terminal selected for test
is not defined as a CPU.

Recovery: None.

397   NAME UNASSIGNED

Reason: Online test was attempted to an unassigned
terminal name.

Recovery: None.

398   CAN'T TEST PORT

Reason: A TEST command was entered for a port.
This is not allowed.

Recovery: None.

400   ERP ACCEPTED

Reason: The ERP command entered by the system
operator has been accepted by CCP.

Recovery: None.

401 SYNTAX ERROR

Reason: A syntax error was detected by CCP while validating an ERP command entered by the system operator.

Recovery: Reenter the command using the proper syntax.

402 INVALID TERMINAL ID

Reason: While entering an ERP command, the system operator entered a terminal identifier which does not exist in the system.

Recovery: Reenter the command with the correct terminal identifier.

403 TERMINAL NOT IN ERROR RECOVERY

Reason: The system operator entered an ERP command and specified a terminal which is not in CCP error status.

Recovery: None.

404 INVALID OPERAND

Reason: The operand specified by the system operator with an ERP command was not bypass or retry.

Recovery: Reenter the command using the correct operand.

407 AUTOMATIC ERP NOT SUPPORTED

Reason: An AUTOERP command was entered, but either this assignment set does not support AUTOERP or a SHUTDOWN command has been entered, disabling AUTOERP.

Recovery: None.

408 OK

Reason: CCP has accepted an AUTOERP command from the system operator.

Recovery: None.

410 [INPUT/OUTPUT] ERROR ON 'xx'

Reason: This message informs the system operator that an error has occurred on an MLTA terminal with the terminal ID xx.

Recovery: None.

411 [INPUT/OUTPUT] ERROR-nn ON 'xx'
[,TERMINAL STATUS—'yyyy']

Reason: The error condition specified by return code -nn
occurred for the BSCA or BSCC terminal or SIOC port
specified by 'xx' (during input or output). The status
received from the terminal is specified by 'yyyy' (for
3270 terminals only).

Recovery: If this message is followed by message 416,
indicating the terminal is in CCP error recovery, the
following ERP actions are appropriate:

Recovery 1:
— Retry the operation with the terminal, starting
from the point of failure.

Note: Some terminals may start from the point
of failure, or some may reset themselves to the
original start point.

— Bypass the operation, continue with the next
operation.
— Place the failing terminal offline.

Recovery 2:
— Retry the operation with the terminal after waiting
for the display operator or the system operator to
intervene and (1) mechanically ready the printer
or (2) ready the display.
— Bypass the operation; continue with the next
operation.
— Place the failing terminal offline.

Values for -nn:

CCP ERP Return Code	Corresponding MLMP Return Code (HEX)	Description	Recovery
-1	51	DATA CHECK: Data was received incorrectly, checking error condition detected.	1
-2	4B	INVALID CHARACTER: An invalid character found during translation or an invalid ASCII character has been detected by BSCA/BSCC.	1
		Note: If you are transmitting or receiving ASCII data on a switched line, be sure all station IDs have been given in ASCII. If you are a control station transmitting or receiving ASCII data, be sure polling and addressing characters have been given in ASCII.	

411 continued

CCP ERP Return Code	Corresponding MLMP Return Code (HEX)	Description	Recovery
-3	52	LOST DATA: Data received was lost because it exceeded the size of the input buffer, or because no record separator was found within two contiguous blocks of spanned records.	1
-4	4F	PERMANENT BSCA ERROR: Operation failed because a permanent error condition was detected. Some permanent errors are: — EOT received in response to data transmitted. — EOT received in response to an addressing attempt. — Forward abort received. That is:	1

Received   TTD   EOT or DISC
                  \ /
Transmitted   NAK

— EOT or DISC is transmitted after an error recovery retry count has been exceeded.

CCP ERP Return Code	Corresponding MLMP Return Code (HEX)	Description	Recovery
-5	54	ABNORMAL RESPONSE: An invalid response was received from the remote station.	1
-7	45	NO RESPONSE TO POLLING OR ADDRESSING: The selected terminal does not respond to polling or addressing.	1
-8	50	TEXT TIME OUT: The terminal does not respond to attempted data transfer.	1
-9	4E	WAIT TIME EXCEEDED: Data was not sent or received within specified wait time.	1
-10	4C	NO CONNECTION: Connection could not be established with a remote station.	1
-11	43	INVALID ID's: The ID exchange with the remote station failed.	1

411 continued

CCP ERP Return Code	Corresponding MLMP Return Code (HEX)	Description	Recovery
-12	53	ABORT, DISCONNECT: The switched line connected to the remote station has been lost.	
		DATA SET NOT READY: No physical connection exists.	
-13	55	ADAPTER CHECK: A hardware check occurred on the teleprocessing line adapter.	1
-14	44	NEGATIVE RESPONSE TO ADDRESSING: The remote terminal replied negatively to addressing.	
		Note: This code signifies that a busy condition exists on a 3270 system printer.	

The following return codes are for the 3270 system only.
A list of terminal status values (yyyy) follows this list of
return codes.

Note: For the return codes on the 3270 system it is possible
that the error condition was left over from the last operation
with that terminal.

CCP ERP Return Code	Description	Recovery
-19	A poll for status was performed by the system to get status from a terminal after a put operation failed. The terminal did not respond with status.	
-20	• A command attempted to start a device but found it not ready.	2
	• Power is off on the printer.	
	• Device is unavailable or not ready.	
-21	• Invalid buffer address or an incomplete order sequence was received on a write or erase/write command.	1
	• CCC or *from* address was not received on a copy command.	
	• Invalid command sequence (ESC not received in second data character position).	

411 continued

CCP ERP Return Code	Description	Recovery
-22	A hardware error occurred on the printer.	2
-23	The 3270 detected a BSCA/BSCC error.	1
-24	• 3270 time-out between the device and the control unit. • Hardware data check.	1
-25	Data check for copy command.	1
-26	Intervention required on *from* device or *from* device was not available for copy command.	2
-27	*From* device busy for copy command.	2
-28	For *from* device for copy command. • 3270 time-out between the device and the control unit. • Hardware data check. • Device no longer busy.	1
-29	Invalid data from 3270 using DFF. This return code is caused by the terminal operator pressing the TEST REQ key on the 3270 keyboard.	

The following error return codes are for the 3735; none require any action:

Return Code	Description
-40	CPU attempted to send data to the 3735 before reading the 3735 data.
-41	Invalid character was sent to the 3735.
-42	Buffer overflow: A block greater than 476 was sent to the 3735.
-43	3735 disk is full.

411 continued

The following return codes are for the 3741. No action is
required if not indicated:

CCP ERP Return Code	Description	Recovery
-44	3735 directory is full.	
-45	Undefined header message was sent to the 3735.	
-46	3735 disk error occurred while transmitting data from the 3735 disk to the CPU.	
-50	Transparency error occurred.	
-51	No activity in 20 seconds.	1
-52	Data check.	
-53	Received line bid error.	
-54	Wrong length error.	
-55	Reset was pressed on 3741.	1
-56	Security check.	1
-57	Disk overflow.	
-58	Bad extent error.	
-59	Both stations transmitting.	1
-60	Length error.	
-61	No record found on disk.	
-62	Seek error.	
-63	Read error.	
-64	Write error.	
-65	3741 not ready.	1
-66	Diskette is write protected.	1

The following return codes are for SIOC. CCP is terminated with a U—CS halt.

CCP SIOC Return Code	Description	Recovery
-77	No port defined in this system for data received from the other system, or there is a hardware problem.	Correct PORTLINE statements in assignment set. If your assignment set is correct, call your IBM representative for support.
-78	Permanent SIOC I/O error in this system.	Call your IBM representative for support.
-79	No status from the other system. This system had a data transfer register parity error and the other system did not acknowledge that it would retry the operation.	Call your IBM representative if the STOP key in the other system had not been pressed and the CE MODE SELECTOR switch was in the process position.

Values for -yyyy:

Status Received	Description
4050	Intervention required.
4060	Illegal command in 3270 text stream.
404C	Data check—equipment check.
40C1	Illegal buffer address in 3270 text stream.
40C2	Control check—timeout.
40C3	Control check during copy operation.
40C4	Data check.
40C5	Data check on copy operation.
40C8	Equipment check.
40D1	Intervention required on copy operation.
C140	BSC error on transmission.
C160	BSC error on transmission.
C1C1	BSC error on transmission.

Status Received	Description
C1C4	BSC error on transmission.
C250	Intervention required.
C2C4	Data check.
C2C8	Equipment check.
C2D8	Equipment check.
C4C1	Copy from locked buffer.
C4C4	Data check.
C4C5	Data check on copy operation.
C6C4	Data check.
C6C8	Equipment check.
C6D8	Equipment check.
C8C1	Device busy (now ready) on copy operation.

(For further explanation of these and other status messages, see *IBM 3270 Information Display System Component Description*, GA27-2749.)

412 [INPUT/OUTPUT] ERROR-ƀ4 ON 'xx',
   [ATTACHMENT/DATA FIELD] STATUS-'yyyy'

Reason: A permanent BSCC error occurred for the
BSCC terminal specified by 'xx' (during input or
output). The status received is specified by 'yyyy'
(see *BSCC Communication Input/Output Block (CIB)*
in *IBM System/3 Communications Control Program
Data Areas and Diagnostic Aids*, SY21-0040).

Recovery: None.

Note: If the attachment status is 'y^4yy', 'y^8yy', or 'y^Cyy',
then an I/O attention exists. Operator should check all
BSCC connections.

413 OUTPUT TO 'xx' IN CCP ERROR RECOVERY
IGNORED

Reason: A request to send a message to the terminal with
the physical identifier 'xx' was ignored by CCP. The
terminal was found to be in CCP error recovery, and
CCP will not accept any output requests to terminals
in this status.

Recovery: Perform one of the following:
— None, if the ignored output was initiated by CCP.
— If the ignored output was initiated by the system
operator, remove the terminal from CCP error
recovery, and then reinitiate the output request.

414 'xx' SIGNED OFF BY CCP AS YYYYYY

Reason: A switched line has been disconnected and has
been signed-off by CCP for one of the following
reasons:
— Was in command mode and the connection was
broken.
— Was in communication with a user program and
the program terminated before the connection was
reestablished.

Recovery: The line is reenabled for input and any
terminal may call back in.

415 SWITCHED LINE Mn DISCONNECTED — I/O
PURGED

Reason: An error has occurred on an MLTA switched
line, and the line has been disconnected. All
scheduled I/O has been purged, and the line is
reenabled for input.

Recovery: None.

416 'xx' IN CCP ERROR RECOVERY

Reason: An error has been detected on a terminal that is
not currently in use by a user program. CCP has placed
the terminal in error recovery and is awaiting informa-
tion from the system operator as to what action to
perform.

Recovery: Perform one of the following:
— Enter an ERP command to retry the failed
operation.
— Enter an ERP command to bypass the failed
operation.
— Enter a vary offline command to the terminal.
— Run the system operator initiated online test
(test command).

417 'xx' IN CCP ERROR RECOVERY — BYPASSED

Reason: An error has occurred on the terminal specified
in the message and the terminal is not in use by a user
program. The terminal is eligible to be placed into
CCP error recovery; however, due to one of the follow-
ing reasons, CCP has taken an automatic bypass as the
recovery action:
— Not enough buffer space is available in main stor-
age to save the information required to retry the
operation that failed.
— A switched line was disconnected during the error.
— Terminal is being placed offline.
— Polling characters for this terminal are correct, but
the addressing characters are incorrect.

Recovery: None.

418 TP LINE Mn CLOSED

Reason: This message tells you that the MLTA IOCS
has closed an MLTA line because of hardware errors.

Recovery: None.

419 'xx' VARIED OFFLINE

Reason: This message tells you that CCP has placed a
terminal offline. This will happen automatically after
the MLTA IOCS closes an MLTA line.

Recovery: None.

420 TRACE OK

Reason: CCP has accepted a trace command from the
system operator.

Recovery: The opposite trace action may be taken at
any time to negate the effect of the current trace-to-
disk option in effect.

421 TRACE NOT IN SYSTEM

Reason: A trace command has been entered, and the
trace option was not selected for the current CCP
execution run.

Recovery: None.

Operational Stage

422 INVALID OPERAND

Reason: The trace command operand specified was not either on or off.

Recovery: Reenter the trace command with the correct operand.

423 TRACE NOT ON

Reason: A trace off command has been entered, and the trace on option is not currently in effect.

Recovery: None, or enter a trace on command for trace-to-disk.

424 TRACE ALREADY ON

Reason: A TRACE ON command has been entered, and a trace is already in process.

Recovery: None.

425 REJECTED — DISK TRACE I/O ERROR

Reason: An I/O error occurred during CCP trace-to-disk. This trace on command will not be accepted.

Recovery: Call your IBM customer engineer for assistance in determining the cause of the error.

426 NO TRACE FILE

Reason: A trace-to-disk command has been entered, and no $CCPDUMP file has been allocated. Trace entries are placed in a main storage table only.

Recovery: To incorporate the trace-to-disk function the CCP system should be shut down first; then run $CC1DP to create the $CCPDUMP file. The trace-to-disk function is then used after the next CCP startup.

427 NO TRACE PROGRAM FOUND

Reason: Either $CCTRA, $$TRIZ, or $$TREZ could not be found in the object library.

Recovery: Module $CCTRA should reside in the object library of the CCP system pack. If module $CCTRA is not found, copy it to the CCP system pack from the CCP PID pack, renaming it from $CCHRA to $CCTRA. If either $$TRIZ or $$TREZ is not present on the IPL pack, it can be found on the SCP PID.

428 INSUFFICIENT STORAGE FOR TRACE REQUEST

Reason: There was not enough main storage in the UPA for the trace program and table.

Recovery: Allocate more space for the CCP partition or use a smaller table size.

429 DISK ERROR ON $CCPDUMP FILE

Reason: A disk error occurred while one of the trace programs was attempting to use the $CCPDUMP file.

Recovery: Run $CC1DP to create a new $CCPDUMP file. Attempt to determine the cause of the error.

430 TRACE ON

Reason: The system operator has entered a TRACE ON request.

Recovery: None.

431 TRACE OFF

Reason: The system operator has entered a TRACE OFF request.

Recovery: None.

432 DISK TRACE ON

Reason: The system operator has entered a TRACE TO DISK request.

Recovery: None.

433   DISK TRACE OFF

Reason: The system operator has entered a TRACE
OFF request.

Recovery: None.

434 $CCPDD IS RUNNING

Reason: The system operator has entered a TRACE
TO DISK request but $CCPDD is printing the trace
table.

Recovery: Wait until $CCPDD has finished printing the
trace table and reenter the command.

440   OK

Reason: A successful suspend command has been
entered by the system operator.

Recovery: The suspension may be lifted by the system
operator by entering a subsequent resume command.

441   INVALID OPERAND

Reason: The operand of a suspend command does not
contain the required information.

Recovery: Retry the command entering the correct
operands.

442   INVALID TASK – ID + PROGRAM NAME

Reason: A suspend command by task ID and program
name did not contain the correct information to
properly identify which task and program are to be
suspended.

Recovery: Reenter the suspend command with the
correct operand. If this is not known, the display
users command may be used to determine the correct
task ID and program name.

443   TASK ALREADY SUSPENDED

Reason: The program and task specified in a suspend
command are already in a suspended state.

Recovery: Eventually resume or cancel the program
from the system operator's console.

Model 4:
444   UNABLE TO SUSPEND TASK

Reason: One or more of the tasks currently active in
the system or the program, plus the task specified in
a suspend command, cannot be suspended at this
time for one of the following reasons:
– The system operator's console would be unusable.
– The system transient area or other system services
  would be unavailable to teleprocessing interrupts
  and other tasks.

Recovery: Enter the suspended command again to try
the function again. The display users command can
be used to determine the task(s) not suspended.

Model 15:
444   CANNOT SUSPEND NOW

Reason:
1. An attempt was made to suspend a user task that
   is currently using the system transient area or
   owns one of the system resources.
2. An attempt was made to suspend all user tasks,
   but one of the tasks is using the system transient
   area or owns one of the system resources.

Recovery: Retry the command.

445   DISK ERROR READING PCT

Reason: An I/O error occurred while suspend/resume
was reading or writing the program characteristic
table.

Recovery: Call your IBM customer engineer for
assistance in determining the cause of the error.

450   COMPLETED SUCCESSFULLY

Reason: Format find (CCPFMT) has gone to the end of
the job successfully.

Recovery: None.

451   DFF NOT IN ASSIGNMENT SET

Reason: An attempt was made to run format find
(CCPFMT), but DFF is not in the assignment set you
are running under.

Recovery: Put DFF in the assignment set.

452   PROGRAM DATA REQUIRED

Reason: An attempt was made to run format find
(CCPFMT) or program find (CCPPGM), but no data
with program request was specified.

Recovery: Specify data with program request.

453   NAME NOT FOUND, '*'

Reason: An attempt was made to run format find or
program find, and a program name was not found in
$CCPFILE.
- A format name was not found in the object library
of the pack specified in the assignment SYSTEM
statement (DFFPACK parameter).
- A program name was not found in the object
library of the unit specified.

Recovery: Perform one of the following:
- Correct the spelling of the program name.
- Correct the spelling of the format name, or use
another partition to put the format into the DFF
object library.

Note: Reenter all entries displayed with the message
because they did not get processed.

454   INVALID ENTRY, '*'

Reason: One of the entries specified as data with format
find (CCPFMT) or program find (CCPPGM) is invalid.

Recovery: Perform one of the following:
- If you have a comma after the last entry, remove it.
- If you have a dash following a format name (begins
with $Z), remove it.
- If you have a format or program name exceeding
six digits, correct the name.
- If you have a number with a program name that
is not one to four digits with a value of 1 through
3,584, correct it.
- If you have a unit specified with a program that
is not a valid unit, correct it.

Note: Reenter all entries displayed with the message
because they did not get processed.

455   FORMAT INDEX FULL, '*'

Reason: The format name specified was not found in
$CCPFILE and there is not enough space for a new
entry.

Recovery: Shut down the system, then do startup
again. Startup allocates another sector (256 bytes)
which makes room for several more entries.

Note: Reenter all entries displayed with the message
because they did not get processed.

456   DISK I/O ERROR IN $CCPFILE, '*'

Reason: A disk error occurred during the processing of
the first entry displayed with the message when the
system was trying to access $CCPFILE.

Recovery: Try processing the entry again. If the error
persists, call your IBM customer engineer for
assistance.

Note: If recovery is successful, reenter all entries
displayed with the message because they did not get
processed.

457   PROGRAM NOT EXECFIND, '*'

Reason: An attempt was made to run program FIND:
- A program to be found is not specified as
EXECFIND-YES in the assignment set.
- The program has already been found.

Recovery: None.

458   INVALID PROGRAM FOUND

Reason: An attempt was made to run program FIND
but one of the following errors was detected:
- The program was not link-edited at hex 8000.
- The program contains compile errors.
- The program requires more than 32K of main
storage to execute.

Recovery: Determine which one or more of the above
errors exist, correct the errors, recompile and link-
edit the program, and try program FIND again.

459   DFF PAS CANNOT BE FULLY ADDRESSED

Reason: An attempt was made to run program FIND but the DFF program appended storage for the program will exceed three 2K boundaries and cannot be fully addressed.

Recovery:
  — Reduce the values specified for DFFTERM and/or DFFNDF within the PROGRAM statement at CCP assignment time.
  — Reduce the size of the largest field descriptor table used by this program.
  — Alter the program size so that it ends just past a 2K boundary.

460   OK

Reason: CCP has accepted a resume command from the system operator.

Recovery: None.

461   SYNTAX ERROR

Reason: A syntax error exists in a resume command entered by the system operator.

Recovery: Correct the syntax error and reenter the command.

462   COMMANDS NOT SUSPENDED

Reason: A request to resume the input from command or initial mode terminals has been made, but they are not currently in suspended status.

Recovery: None.

463   INVALID TASK ID

Reason: A resume command by task ID and program name has been entered and the specified task ID does not exist in the system.

Recovery: Correct the error and reenter the command. You may obtain the correct task ID by using a display users command.

464   INIT REJECTED, USERS IN EFFECT

Reason: An attempt has been made to resume the initiation of user programs by the system operator, but a suspend users command is in effect.

Recovery: Perform one of the following:
  — Enter a resume users command.
  — Enter a resume command by task ID and program name for each program in the system. Once each program is resumed, the suspend users status is dropped and the suspend initiation command is in effect.

465   INVALID PROGRAM NAME

Reason: A resume command by task ID and program name has been entered. The specified task control block is currently not in use by the program specified on the input.

Recovery: Reenter the resume command with the correct program name and task ID value. If this is not known, a display users command may be used to determine it.

466   SUSPEND USERS NOT IN EFFECT

Reason: A resume users command has been entered by the system operator, and the suspend users status is not currently in effect.

Recovery: None. The system operator may have entered a suspend users command and then resumed each user program individually. If this is the case, a resume initiation command will have to be entered to allow subsequent program requests to be honored.

467   SUSPEND INIT NOT IN EFFECT

Reason: The system operator has entered a resume initiation command and the suspend initiation status is not in effect.

Recovery: Determine if the correct operand was specified on the resume command, and reenter it if necessary.

Operational Stage

468   PROGRAM TERMINATING

Reason: A resume command by task ID and program name was entered, and the program is currently being terminated. The termination could be due to a prior cancel command having been entered or by CCPs detection of a program error, causing automatic cancellation.

Recovery: None.

469   LIBRARY UNAVAILABLE TO CCP

Reason: An attempt was made to run program FIND and the unit specified cannot be accessed by CCP. No other programs of the currently executing assignment set are located on that unit.

Recovery: Move program to an object library that CCP accesses and retry program FIND.

470 $CCPFILE IN USE

Reason: An attempt was made to run format FIND (CCPFMT) or program FIND (CCPPGM) and a conflict exists with one of the following programs now executing:
— CCPFMT under CCP
— CCPPGM under CCP
— $CCPAS in another partition
— $CCPAL in another partition

For format FIND (CCPFMT), data will be appended to the message. The data is the portion of input to CCPFMT which was not processed. (Any input to CCPFMT, not appended to the message, was processed.)

Recovery: Try processing the entry again or display users and status to determine the contention (5704-SC2 only).

471 $CCPKS NOT FOUND — UNABLE TO KEYSORT

Reason: During CCP task termination, an object module needed to KEYSORT disk files was not found in the object library of the CCP execution pack. The disk files could not be key sorted.

Recovery: Review the directory listing of the CCP object library for the module not found. If it is missing, copy the module from the CCP distribution pack. If the entry is in the object library, contact IBM for programming support. This message will appear each time a program requiring KEYSORT goes to EOJ.

480   CANCEL OK

Reason: The command to cancel a specific user program has been accepted by CCP. If a suspend users command is in effect and the last user program is terminated by a cancel command, the suspend users command is automatically negated by CCP. However, the suspend initiation command, if in effect, will remain in effect.

Recovery: None.

481   INVALID CANCEL REQUEST

Reason: The system operator request to cancel a user program has an invalid operand. This may be either an invalid task ID value or an invalid program name, or both.

Recovery: Correctly specify the operands and reenter the cancel command. If the correct values are not known, they may be determined by use of the display users command.

482   PGM — NAME TOO LONG

Reason: This message is issued when the program name on a cancel command was too long.

Recovery: Retry, or determine the program name by issuing the display command.

483   TASK n IS NOT PROGRAM xxxxxx

Reason: This message is issued when the task ID and program name entered are valid but they are not related to each other.
— n is the specified task ID.
— xxxxxx is the specified program name.

Recovery: Retry, or use the display command to determine the correct information.

Models 4, 8, 10, and 12:
484   INVALID SYNTAX

Reason: This message is issued if operands are entered wrong or invalid, or if commas are misplaced.

Recovery: Retry.

Model 15:

484   CAN'T CANCEL $ PROGRAM

Reason: An attempt has been made to cancel $CCPDD, $CCPCL or $CCPOP. This is not allowed under CCP.

Recovery: None.

485   INVALID USER TASK ID

Reason: The task ID specified in a cancel command is not a valid user task.

Recovery: Retry, or use the display command to determine the correct information.

486   TASK NOT ACTIVE

Reason: The task specified in a cancel command is not currently running.

Recovery: Retry, or use the display command to determine the correct information.

487   CAN'T CANCEL PGM IN ALLOCATION

Reason: Specified program is currently being processed by CCP allocation task; cancel is not allowed at this time.

Recovery: Retry the command when the program gains control. The display users command may be used to determine the status of a program.

488   CAN'T CANCEL NOW

Reason: The task specified in a cancel command cannot currently be canceled; or if cancel CCP was requested, one of the CCP user tasks cannot currently be canceled.

Recovery: Retry the command.

490   UNABLE TO SHUTDOWN OR CANCEL WHILE RUNNING $CCPAS OR $CCPAL

Reason: CCP cannot be cancelled or shutdown while $CCPAS or $CCPAL is running in another partition.

Recovery: Retry the command after the assignment program finishes in the other partition (5704-SC2 only).

500   SHUTDOWN ACCEPTED

Reason: A successful shutdown has been started by CCP in response to a system operator request to shut down the system.

Recovery: No additional terminal commands or program requests may be made of CCP. However, system operator commands may be entered to monitor or change other aspects of system status.

501   PRIOR SHUTDOWN REQUESTED

Reason: The CCP system operator has entered a shut-down command to CCP, and a prior shutdown com-man has already been accepted.

Recovery: Do not enter additional shutdown commands or any terminal operator command.

502 $\begin{Bmatrix} \text{CANCEL} \\ \text{SHUTDOWN} \end{Bmatrix}$ STARTED

Reason: The last user program to be run has terminated, and the final cancel or shut down processing has been started.

Recovery: None.

503   CCP $\begin{Bmatrix} \text{CANCEL} \\ \text{SHUTDOWN} \end{Bmatrix}$ COMPLETED

Reason: A successful CCP shutdown has been completed in response to a system operator request to cancel or shut down the system. However, the shutdown routine is still running when this message appears on the system console. Therefore, do not cancel the partition in which CCP is executing or do another IPL until the partition end-of-job message appears on the system console.

Recovery: None.

504   DISK ERROR OCCURRED WHILE READING PCT'S

Reason: A permanent disk error occurred while attempting to read the PCTs (program characteristics tables) from $CCPFILE to update the program request counts.

Recovery: None. However, a problem exists in either the hardware or an IBM or user-written program where the program has modified main storage invalidly. Contact IBM customer engineering for hardware assistance.

505 DISK ERROR OCCURRED WHILE WRITING
PCT'S

Reason: A permanent disk error occurred while attempt-
ing to write the PCTs (program characteristics tables)
with updated program request counts back to
$CCPFILE.

Recovery: None. However, a problem exists in either
the hardware or an IBM or user-written program where
the program has modified main storage invalidly.
Contact IBM customer engineering for hardware
assistance.

Models 4, 8, 10, and 12:

506 DISK ERROR OCCURRED WHILE WRITING
FINAL DISK TRACE ENTRY

Reason: A permanent disk error occurred while attempt-
ing to write out the final disk trace entry.

Recovery: None. However, a problem exists in either
the hardware or an IBM or user-written program where
the program has modified main storage invalidly.

Model 15 (Program Number 5704-SC1):

506 '******' OPEN IN OTHER LEVEL RESPOND,
WHEN CLOSED, FOR RETRY

Reason: Shutdown cannot continue because CCP is
attempting to close an indexed file which it has added
records to, but the other partition is using the file.

Recovery: Wait for the other partition to close the file;
then respond to the message.

507 ERROR OCCURRED WHILE CLOSING FILE
****

Reason: A system error occurred while closing the file
indicated by ********

Recovery: If the error persists, contact the local IBM
office for programming support.

508 SHUTDOWN REJECTED—LOOPING TEST
ON '**'

Reason: Online test is looping at specified terminal '**'

Recovery: Terminate online test. Reenter shutdown
command.

Model 15 (Program Number 5704-SC2):

509 SHUTDOWN PENDING [– ENTERED hh:mm]

Reason: A delayed shutdown command has been
entered. If the interval timer is supported, the time
the command is entered appears after entered (where
hh:mm is the time of day).

Recovery: None.

510 $CC5CL NOT FOUND – NO DISK FILES
CLOSED

Reason: During shutdown an object module needed to
close disk files was not found in the object library.
The disk files could not be closed.

Recovery: Review the directory listing of the CCP
object library for the module not found. If it is
missing, copy the module from the CCP PID pack.
If the entry is in the object library, contact IBM for
programming support.

511 SHUTDOWN REJECTED – PORT ACTIVITY

Reason: A SHUTDOWN command was entered but is
rejected because there is still CCP activity on a port.
This message can also occur if a SHUTDOWN DELAY
command was entered and there was still CCP
activity on a port when the delay time expired.

Recovery: Retry the command after all CCP port
activity has finished.

512 $CC4AM NOT FOUND

Reason: During startup an object module needed for
CCP to process program requests was not found.

Recovery: Review the directory listing of the CCP
object library for $CC4AM (the module not found).
If it is missing, copy the module from the CCP PID
pack. (It is named $CCAAM on the PID pack.)
If the entry is in the object library, contact IBM
for programming support.

520   'xx' SIGNED OFF — {HOLD/DROP} NAME IS ******

Reason: A sign-off command has been issued by the terminal operator. The primary name has been reassigned to this terminal, or, if there was no primary name, the first secondary name has been assigned. At assignment time, every terminal must have at least one symbolic name associated with it. If more than one symbolic name is associated with a specific terminal, the first name given is called the primary name, and those names following are the secondary names.

Recovery: None.

521   'xx' RELEASED AND SIGNED OFF NAME IS ******

Reason: A switched line terminal has been released, and the line was disconnected. The message is modified with the physical terminal ID and reassigned the symbolic terminal name.

Recovery: None.

522   'xx' NAME IS NOW ******

Reason: This message is issued after a successful name command from a terminal modified the physical terminal ID and the new current symbolic terminal name.

Recovery: None.

524   FOR PGM-****** (TASK-n): LINE {B/M} n DIAL # nnnnn

Reason: This message informs the system operator that a user program has issued an operation to a switched line which is currently not connected. The attribute set of the terminal specifies a callout. DIAL # nnnnn is one of the following:
— Actual phone number.
— *UNSPECIFIED* — No phone number associated with terminal name.
— *DISK ERROR* — Disk error while trying to read phone number from disk.

Recovery: Perform one of the following:
— Dial the phone number and make the connection.
— Either a hardware or a software error has occurred causing the read error. Contact your IBM customer engineer for assistance if the cause cannot be determined.

525   FOR PGM-****** (TASK-n): LINE {M/B} n WAITING TO RECEIVE CALL

Reason: This message informs the system operator that a user program has issued an operation to a switched line which is currently not connected. The attribute set for the terminal specifies answer (call in) mode.

Recovery: None. However, you should look for a call to come in on the line specified. If a call does not come in, you may eventually want to cancel the program.

526   ****** TASK-n CODE-nn [-nn] [REQR-'xx' DUMP#-n]

Reason: A user program has been terminated abnormally.
— xxxxxx is the program name.
— TASK-n is the task ID value.
— CODE-nn-nn is the program termination code and may also include the subcode.

The following may or may not be in the message:
— REQR-'xx' is the 2-character ID of the requesting terminal.
— DUMP#-n is the dump number that is used on the DUMP statement for the main storage dump program, $CCPDD.

Recovery: Give the information listed in the message to the programmer. The program termination code, reason and recovery, are in Chapter 4.

527   'xx' SIGN ON {ATTEMPT/OK}

Reason: The terminal whose identifier is xx has signed on or attempted a sign-on request.

Recovery: None.

528   ERROR IN DATA FOR DFF AT LOCATION nnnn

Reason: The program attempted a put override operation using DFF, and an error was detected in the data area at the approximate location given in the message. This message will be followed by a program termination message giving the reason for termination.

Recovery: You should list the disk dump of the program to aid the programmer in determining the exact reason for the termination.

Operational Stage

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529   TERMINAL RELEASE: ****** ('xx')

Reason: This message is sent to the console after a successful terminal-initiated release command. The message is modified with the terminal name and terminal ID.

Recovery: None.

530   **CCP CNCL**CODE-xx [DUMP#-n]

Reason: A cancel of CCP has been entered and is being processed by termination. If the DUMP#-n is present, it indicates the relative dump number in $CCPFILE.

Recovery: None.

531 $\begin{bmatrix} \text{**CCP CNCL**} \\ \text{******TASK-n} \end{bmatrix}$ CODE-xx PERMANENT
DISK I/O ERROR, C/S-nnnn

Reason: A permanent disk I/O error occurred while the program was dumping main storage to $CCPFILE.

Recovery: None.

532   DUMP AREA FULL OR $CCPDD RUNNING

Reason: Either the dump area of $CCPFILE is full and no more dumps can be taken, or $CCPDD is already running as a user task and a program was abnormally terminated, or a task was canceled with the dump option.

Recovery: If the dump area is full, run $CCPDD to print all dumps in order to clear the dump area in $CCPFILE. If $CCPDD is running, the dump you are currently attempting cannot be recovered.

533   POLL LOOP COUNT EXCEEDED ON BSCA LINE x

Reason: All terminals on BSCA line x are responding negatively. The poll loop count specified at assignment has been exceeded (Models 4, 8, 10, and 12). Polling is automatically resumed.

Recovery: None.

534   INVALID TEST REQUEST FOR 'xx'

Reason: This message is issued when:
— You initiated a request for an online test to a terminal and the test was not accepted by BSCA.
— A terminal-initiated online test request was not accepted by BSCA or an error occurred in receiving the request.

Recovery: Correct the invalid request and try again.

Operational Stage

550 A SYSTEM U—** ERROR. USE DUMP SYSTEM COMMAND, THEN REPLY 2 TO CLOSE FILES, 3 TO CANCEL

Reason: One of the following system errors has been detected by CCP.

(**) Subhalt definition:

CCP execution halts:

Subhalt	Meaning
AC	MLTA check.
BC	Bad start code from the MLTA IOCS.
CR	Invalid BSCC return code.
CS	Permanent BSCC error.
FE	Invalid freemain request. The last trace table entry will be an E9 (freemain) showing the freemain parameter list address at +3. This error is a detection of:
	— Address specified outside of main storage pool.
	— Length specified indicates some portion of the freemained area outside of the main storage pool.
	— No freemain chain points to element to free.
NS	No sense/status returned from 3270 terminal. This halt occurs when an error occurs on a 3270/3275 terminal, which causes a poll for status operation. The 3270 does not return a status message due to a hardware failure.
RC	Bad MLTA/MLMP return code.
SS	Unknown sense status from 3735.
TE	Translation error in the system pack.
YA	User password security was specified at assignment, but user password security routine is not on the system.

CCP offline programs:

Subhalt	Meaning
A1	Termination error during assignment build
A3	Error during user security processing
A4	Error during disk dump
EE	Termination error during DFGR run—no format built
F1	Warning errors during display format generation
PP	Termination error during PFGR run—no format built
P1	Warning errors during printer format generation

Recovery: Use the dump system command to obtain a main storage dump. When the dump is complete, a PL halt occurs; reset this halt by pressing START. Take the 2 option to the U—xx halt to close files and go to EJ, or take the 3 option to go directly to EJ. Contact IBM for programming support.

A dump can also be obtained by placing a D in the leftmost data switch and pressing SYSTEM RESET and START; however, CCP cannot close files after a dump is obtained in this way.

551
$$\left\{ \begin{array}{l} \text{TERM} \\ \text{COMM} \\ \text{DFF} \\ \text{CP} \\ \text{CS} \end{array} \right\}$$
TASK HAS PROG CHECK. USE DUMP SYSTEM COMMAND, THEN REPLY 2 TO CLOSE FILES, 2 TO CANCEL

Reason: The task identified has entered termination due to a program check.

TERM	Termination
COMM	Communications management
DFF	Display format facility
CP	Command processor
CS	Communications scheduler

Recovery: Use the dump system command to obtain a main storage dump. When the dump is complete, a PL halt occurs; reset this halt by pressing START. Take the 2 option to the U—xx halt to close files go to EJ; take the 3 option to go directly to EJ. Contact IBM for programming support.

A dump can also be obtained by placing a D in the leftmost data switch and pressing SYSTEM RESET and START; however, CCP cannot close files after a dump is obtained in this way.

900   FROM 'XX':text

Reason: The text is the result of a terminal message command being sent to the console. The 'xx' is the terminal ID of the sending terminal.

Recovery: None.

951   INPUT TOO LONG

Reason: The system operator, while entering data from the console, entered more than 82 characters (the size of the console input buffer).

Recovery: Reenter data.

952   NO TASK x AWAITING REPLY

Reason: The system operator has entered through the console a reply directed to task x. However, there is no task x awaiting a reply.

Recovery: Reenter reply with correct task identifier if appropriate.

990

Reason: This message is issued by either an application program or the CCP. (See the beginning of this chapter for a description of this type of message.)

Recovery: Perform the action as directed in the message.

991

Reason: This message is issued by either an application program or the CCP. (See the beginning of this chapter for a description of this type of message.)

Recovery: Perform the action as directed in the message.

992

Reason: This message is issued by either an application program or the CCP. (See the beginning of this chapter for a description of this type of message.)

993

Reason: This message is issued by either an application program or the CCP. (See the beginning of this chapter for a description of this type of message.)

Recovery: Perform the action as directed in the message.

Operational Stage

CCP terminates user programs when certain coding errors or program logic errors occur. When a user program is terminated, the CCP writes the following message to the system operator's console:

526 xxxxxx TASK-n CODE-nn [DUMP#-n]

where:

xxxxxx	Program name
TASK-n	CCP identification of user task
CODE-nn	User program termination code
DUMP#-n	Identification number of the disk dump of the user program on $CCPFILE (if space was available for a dump in the dump area).

When user program errors involving the DFF put override operation cause the termination, message 526 is preceded by message 528:

528 ERROR IN DATA FOR DFF AT LOCATION nnnn

This message gives the approximate location of the error in the data area for the put override operation. The location is given as a displacement from the last character of the terminal name in the record area. The programmer must determine which record area was used for the operation and the exact cause of the termination.

When a user program is terminated by CCP because of an error condition, the system operator should relay the information from message 526 (and 528, if received) to the programmer. If the programmer desires a dump of the program, the system operator must obtain the appropriate dump from $CCPFILE using the $CCPDD dump program.

The reason and suggested recovery action for each user program termination code is given following. In all cases, recovery actions involve correcting the error condition in the program and/or rerunning the assignment build program to correct the assignment set.

00

Reason: A $ program has terminated.

Recovery: None. This indicates normal termination.

01

Reason: Invalid operation code or invalid operation code modifier.

Recovery: Review operation code/operation modifier combinations.

02

Reason: Invalid operation issued to the console.

Recovery: Review operations issued to CONSOL. The valid operations are put-then-get, put, put-no-wait, get attributes, and accept input (data with program request only).

03

Reason: Symbolic terminal name not defined to the CCP.

Recovery: Verify the terminal names used in the program against the terminal names defined at assignment time.

04

Reason: Terminal not allocated to this program.

Recovery: Determine which operation was issued to an unallocated terminal (other than acquire terminal and get terminal attributes). Correct the program and/or the assignment set.

05

Reason: Allocated terminal referenced by other than an allocated name.

Recovery: Verify that terminal names used in the program are the names specified in the PROGRAM assignment station or in an acquire terminal operation.

06

Reason: Blank symbolic terminal name used in an MRT program.

Recovery: Correct the program to specify a terminal name. Blank terminal names are allowed only in SRT programs.

07

Reason: Blank terminal name used in an SRT program after the requesting terminal has been released.

Recovery: Correct the program to specify a terminal name on the operation or to not release the requesting terminal.

08

Reason: Blank symbolic terminal name is invalid for this operation.

Recovery: Review operations. A blank terminal name is not allowed for an acquire terminal operation.

09

Reason: Invalid use of a subterminal name.

Recovery: Review operations. A subterminal name (a symbolic terminal name for the component(s) of a multicomponent terminal) may not be used with acquire terminal and release terminal operations.

0A

Reason: Symbolic terminal name not assigned to a terminal.

Recovery: Verify that terminal names specified in the PROGRAM assignment statement are assigned to terminals by TERMNAME assignment statements; revise the program and/or assignment set as necessary.

0B

Reason: Terminal attribute set is invalid for the terminal
specified.

Recovery: The terminal attribute set associated with a
terminal by an acquire terminal operation is invalid
for the terminal. Review the attribute identifiers and
terminal types.

0C

Reason: Terminal does not have the I/O capability
specified in the operation. Either an output opera-
tion is being issued to an input-only terminal or an
input operation is being issued to an output-only
terminal.

Recovery: Review program logic and terminal
assignments.

0D

Reason: Invalid output length.

Recovery: Review output lengths. The output length
for put record operations must be greater than zero.

0E

Reason: Invalid input length.

Recovery: Review input lengths. The input length for
input operations must be greater than zero.

0F

Reason: Input length greater than teleprocessing line
buffer size (minus 4) for an invite input operation.
(Four characters are required for control information
used by the main storage allocation routines.)

Recovery: Reivew lengths specified for invite input
operations; make sure all necessary terminal attribute
identifiers for this terminal are specified at assignment
time.

10

Reason: Invalid operation issued to a terminal with data
from a program request outstanding.

Recovery: Review program logic. The only operation
that is valid to a terminal with data accompanying
the program request is an accept input.

11

Reason: Invalid operation issued to a terminal to which
an invite input operation is outstanding.

Recovery: Review program logic. Only an accept input
or stop invite input operation can be issued to the
terminal.

12

Reason: An accept input operation was issued to a
nonnever-ending program that had no outstanding
invite input operations.

Recovery: Review program logic. An accept input is
valid for a nonnever-ending program only if one or
more invite inputs are outstanding.

13

Reason: An accept input operation was issued by a
never-ending program that has no outstanding invite
input operations and whose active terminal count is
equal to the maximum terminal count.

Recovery: Review the logic of the program and the value
specified for MRTMAX on the PROGRAM assignment
statement for the program.

14

Reason: Stop invite input operation issued to a terminal
that has no outstanding invite input operations.

Recovery: Review program logic. Stop invite input can
only be issued to a terminal that has an outstanding
invite input.

Termination Codes

15

Reason: Input record area is not large enough for a get block operation (BSCA/BSCC terminals).

Recovery: Review record area sizes in the program, and check the value of the BLKL keyword on the TERMATTR assignment statement.

16

Reason: A DFF copy command was issued to a terminal that is not using the DFF.

Recovery: Check the attribute sets used by the terminals in the program. The TERMATTR assignment statement must contain the DFF3270-YES keyword in order to use the copy command with the terminal.

17

Reason: A copy operation was issued to a terminal whose name is not defined in the CCP system.

Recovery: Check the terminal names used in the program against the TERMNAME assignment statements for this assignment set. The error refers to the copy to terminal.

18

Reason: A copy operation was issued to a 3275 display station.

Recovery: Change the program. The copy operation can be issued only to Models 1 and 2 of the following 3270 components (attached to the same 3271 control unit): 3277, 3284, and 3286.

19

Reason: A DFF erase all unprotected operation was issued to a terminal that does not support the display format facility.

Recovery: Check the attribute sets used by the terminals in the program. The TERMATTR assignment statement must contain the DFF3270-YES keyword in order to use DFF operations with the terminal.

1A

Reason: A put override operation was issued to a terminal that does not support the 3270 display format facility.

Recovery: Check the attribute sets used by the terminals in the program. The TERMATTR assignment statement must contain the DFF3270-YES keyword in order to use DFF operations with the terminal.

1B

Reason: A put operation other than a message mode output operation was issued to a terminal that supports the display format facility.

Recovery: Only message mode operations can be issued to terminals that support the DFF. Check terminal attribute sets and program operations to locate the error.

1C

Reason: Record area not large enough for BSCA/BSCC ITB.

Recovery: Review the record area size specified in the parameter list, and check the record length specified in the TERMATTR assignment statement. When processing input or output data in record mode with ITB, you must specify a record length equal to that specified in the TERMATTR statement.

1D

Reason: An accept input operation was issued, but it is not possible to receive data from any terminal with an outstanding invite input.

Recovery: Review program logic. The only outstanding invite input operations are to BSCA/BSCC terminals, but the BSCA line is currently owned by a terminal in use by your program that is awaiting EOT.

1E

Reason: An output operation to the console specified a length greater than the maximum allowed. The maximum lengths are:

Model 4	66
Models 8, 10, and 12	80
Model 15	107 (for put)
	71 (for put-then-get)

Recovery: Check console operations in the program to ensure that the length specified for output operation does not exceed the maximum allowed.

1F

Reason: Output length is greater than the teleprocessing line buffer size.

Recovery: Review the output lengths and the terminal attribute sets associated with the terminal.

20

Reason: Total length of fields to be moved by RPG II SUBR90 is greater than the size of the record area provided.

Recovery: Check lengths specified in the program as RLABLs for SUBR90 against the record area length specified in the RPG II file description specifications.

21

Reason: Program attempted to acquire a terminal by a symbolic subterminal name.

Recovery: Review acquire terminal operations cannot be used in an acquire terminal operation.

22

Reason: Program attempted to acquire the console.

Recovery: Review acquire terminal operations; acquire terminal cannot be issued to the console.

23

Reason: Program issued an invalid acquire terminal operation:
- Attempted to acquire a nonrequesting terminal that was already allocated to the program by assignment specifications or a previous acquire terminal operation.
- Attempted to acquire a requesting terminal without specifying the set terminal attributes modifier in the operation code.

Recovery: Review program logic for acquiring terminals. Determine from the PROGRAM assignment statement which terminals are required to be available to the program (therefore, already allocated to the program when it is initiated). Acquire terminal can be issued to a requesting terminal only to reset the terminal attributes.

24

Reason: Acquire terminal operation issued to a requesting terminal that is in the process of transmission.

Recovery: Review program logic. Acquire terminal cannot be issued to a BSCA/BSCC terminal that is operating in block or record mode and has not yet sent or received EOT.

25

Reason: Acquire terminal operation issued with an invalid attribute set identifier or with attributes invalid for the terminal.

Recovery: Review TERMATTR and PROGRAM assignment statements to determine valid attribute set identifiers; correct the program or change the assignment set.

26

Reason: Attempted to issue a release terminal operation to a subterminal of a multicomponent terminal.

Recovery: Review release terminal operations and TERMNAME assignment statements. Release terminal cannot be issued with a subterminal name.

Termination Codes

27

Reason: Release terminal operation issued to a BSCA/BSCC terminal that is in the process of transmission.

Recovery: Review program logic. Release terminal cannot be issued to a BSCA/BSCC terminal that is operating in block or record mode and has not yet sent or received EOT.

28

Reason: Input or output length specified for an RPG II operation using SUBR92 was greater than the record length specified in the file description specifications or less than 14.

Recovery: Review input and output lengths; compare to length specified in file description.

29

Reason: Invalid put-then-get operation in RPG II program (using SUBR92):

1. Put-then-get issued to other than a combined file.

2. Put-then-get operation code is in the array for an input operation, but the output part of the operation had not been performed previously.

Recovery: Review use of put-then-get operation:

1. Must be issued to a combined file.

2. The output part of the operation must precede the input part.

2A

Reason: System operator canceled your program.

Recovery: Determine reason for cancellation and take appropriate action, if necessary.

2B

Reason: System operator canceled the CCP, causing all programs to be canceled.

Recovery: Determine reason for cancellation and take appropriate action.

2C

Reason: User program went to end of job normally, but had outstanding invite input operations.

Recovery: If a program is to go to end of job prematurely (with outstanding invite input operations), it should issue stop invite input to terminals with outstanding invite inputs.

2D

Reason: User program went to end of job normally, but had an incomplete BSCA/BSCC I/O operation (EOT had not been sent or received on a record or block mode operation).

Recovery: Review program logic. A user program should not go to end of job until EOT has been received on BSCA/BSCC I/O operations in progress.

2E

Reason: Program has two or more definitions for the same file and has tried to add records to that file using more than one of those definitions.

Recovery: Review the program and correct the logic. Two definitions of the same file are valid in Model 10 CCP systems that are generated with file sharing, but you must not add records to the file using more than one of the definitions.

2F

Reason: Invalid or illegal command, order, or buffer address in output data for the 3270 or an I/O interface overrun on the 3270 control unit.

Recovery: Review output data to the 3270 for invalid command, order, or buffer address. If the program uses a DFF copy operation, perhaps an attempt is made to copy a protected display format (the from format contains a protected alphameric attribute byte in row 1, column 1).

30

Reason: SUBR92 used with an EXIT operation or SUBR91 used with a SPECIAL file.

Recovery: Check for improper use of communications service subroutines and recompile the program.

31

Reason: A never-ending program went to end of job prior to a SHUTDOWN request. Storage occupied by the program is not usable for other programs during this CCP run.

Recovery: Perform one of the following:
- Change the never-ending program logic so that the program goes to end of job only when SHUTDOWN has been recognized, or
- Change the PROGRAM assignment statement so that the program is no longer an NEP.

32

Reason: A program attempted to read a record from a shared file and sufficient control blocks (SQB) were not available for it.

Recovery: Allocate more SQBs in the SQB, parameter of the SYSTEM statement for this assignment set.

33

Reason: Indicator 91 was left on after two operations to the same file or indicator 92 was left on for more than two task chain operations.

Recovery: Check all return codes in RPG II program and reset indicator 91 or 92 after issuing a CCP operation.

34

Reason: An array was not associated with a file that used SUBR92.

Recovery: Include an Extension Specification associating an array with every file that uses SUBR92.

35

Reason: A user program, which is not defined as using DFF, attempted to perform an operation on a terminal whose attributes set indicates it *does* use DFF.

Recovery: Review the TERMATTR assignment statements and/or the program's use of terminals.

36

Reason: Wait operation data was not ten characters (24 characters for RPG).

Recovery: User program is canceled. Review wait operation data and correct.

37

Reason: The PORTPRFX name was used as a reference to a required port, but the required port was not defined on the program statement at assignment or it has been released from the program.

Recovery: Review program logic and the assignment set. If any port is to be required, the PORTPRFX must be used on the TERMS parameter of the PROGRAM statement.

38

Reason: A port command request (PCR) operation was not issued to an acquirable port.

Recovery: Review program logic. A PCR operation is valid only when issued to an acquirable port.

39

Reason: A user program attempted to perform a release and task chain operation to a terminal which is not defined as a command terminal.

Recovery: Review program logic and the assignment set. The release and task chain op code may be issued only to command capable terminals.

3A

Reason: The system operator canceled your program; a dump was requested.

Recovery: Determine reason for cancellation; if necessary, correct and recompile your program.

3B

Reason: The system operator canceled CCP; a dump was requested.

Recovery: Determine reason for cancellation; if necessary, correct and recompile your program.

Termination Codes

3C

Reason: The generic key given with a generic acquire terminal command does not select any valid terminal or port names.

Recovery: Ensure that the generic key given as the terminal name, when using the generic acquire terminal command, is a valid key for the set of terminals or acquirable ports to be acquired.

3D

Reason: An attempt was made to set terminal attributes for a port terminal.

Recovery: Review program logic. Ports used on the SIOC channel have fixed attributes and may not be changed.

3E

Reason: An attempt was made to acquire a nonacquirable port.

Recovery: Review program logic. Nonacquirable ports may not be acquired using any of the acquire terminal operands.

3F

Reason: A task chain request was made when running under an assignment set that does not support task chaining (MAXCHAIN=0).

Recovery: Change the MAXCHAIN parameter on the SYSTEM assignment statement to a value greater than zero.

40

Reason: The 3741 has indicated that status will be sent but data was sent instead.

Recovery: Call your IBM customer engineer for assistance.

41   Model 15 (Program Number 5702-SC2):

Reason: The spool file copy program is unable to execute because the module named in the program request is from a previous system release and is not compatible with the current system release.

Recovery: Copy the module named in the program request from the current release level of $QCOPY.

– OR –

Reason: The spool file copy program is unable to execute because the spool file copy program was requested via task chain.

Recovery: Issue program request from a terminal.

– OR –

Reason: The spool file copy program is unable to execute because the spool file copy program was requested from a PRUF screen.

Recovery: Issue program request from a non PRUF screen.

- OR -

Reason: The spool file copy program is unable to execute because a function has been requested for which the user is not authorized.

Recovery: Request functions for which you are authorized or get authorization for the functions you need.

48   Model 15 (Program Number 5702-SC2):

Reason: A PUT operation, other than a message mode output operation, was issued to a port that is defined on a BSCA, BSCC, or TTASK portline statement.

Recovery: Only message mode operations can be issued to ports defined on BSCA, BSCC, or TTASK portline statements. Check the program operations to locate the error.

*Termination
Code*

50

Reason: Storage protect violation.

Recovery: User program attempted to modify main storage outside of its bounds. If no error can be found, contact IBM for programming support.

51

Reason: Invalid Q-code.

Recovery: An invalid instruction was encountered in the user program. If you are an assembler user and cannot find an error, or if you are using any other language, contact IBM for programming support.

52

Reason: Invalid operation code.

Recovery: An invalid instruction was encountered in the user program. If you are an assembler user and cannot find an error, or if you are using any other language, contact IBM for programming support.

53

Reason: Invalid address.

Recovery: An invalid instruction was encountered in the user program. If you are an assembler user and cannot find an error, or if you are using any other language, contact IBM for programmer support.

54

Reason: Privileged operation violation. The user program attempted to issue an operation that is reserved for use by Model 15 system programs.

Recovery: If you are an assembler user and cannot find an error, or if you are using any other language, contact IBM for programming support.

61

Reason: Invalid enqueue SVC.

Recovery: An invalid instruction was encountered during running of a user program. Contact IBM for programming support.

*Termination
Code*

62

Reason: Invalid dequeue SVC.

Recovery: An invalid instruction was encountered during running of a user program. Contact IBM for programming support.

63

Reason: I/O protect violation.

Recovery: A data address was specified that was outside of the user program area (below hex 8000 or above hex 10000). If no error can be found, contact IBM for programming support.

64

Reason: Attempt to load below the beginning of the user program area (below hex 8000).

Recovery: If no error can be found, contact IBM for programming support.

65

Reason: Attempt to load above the end of the user program area (above hex 10000).

Recovery: If no error can be found, contact IBM for programming support.

66

Reason: Invalid SETON/SETOF SVC.

Recovery: An invalid instruction was encountered in the user program. If no error can be found, contact IBM for programming support.

67

Reason: Attempt to read from or write to an invalid device.

Recovery: The user program attempted to issue an operation to an I/O device that does not exist in the system. Correct the program and recompile.

68

Reason: Attempted to load a program with RLD but no relocation.

Recovery: Contact IBM for programming support.

69

Reason: A nonprivileged program request was encountered for an assign-free SVC.

Recovery: Contact IBM for programming support.

6A

Reason: Invalid 5444 operation (Model 15); invalid 5447 operation (Model 4).

Recovery: Contact IBM for programming support.

6B

Reason: Invalid 5444 cylinders (Model 15); invalid 5447 cylinders (Model 4).

Recovery: Contact IBM for programming support.

6C

Reason: Invalid 5444 sectors (Model 15); invalid 5447 sectors (Model 4).

Recovery: Contact IBM for programming support.

6D

Reason: Invalid access to 3340 simulation area.

Recovery: User program should be checked for an invalid C/S or for logic that performs two writes without an intervening read.

6E

Reason: Invalid simulation access to main data areas.

Recovery: Contact IBM for programming support.

70

Reason: Lost data. The MAXMSG parameter on the PORTLINE statement is not large enough for the data being sent from the other system.

Recovery: Make the MAXMSG parameter as large as, or larger than, data sent from the other system.

71

Reason: The other system is down. The CPU clock in the other system was not running at the time of this operation.

Recovery: Check the other system.

72

Reason: A permanent channel hardware error on the other system.

Recovery: Call your IBM representative for hardware support.

73

Reason: Abort received. The program doing the put from the other system was cancelled during the put.

Recovery: Determine why the put program was cancelled.

7F Models 4, 8, 10, and 12:

Reason: A halt was issued by the user program or by a DSM routine supporting the user program.

Recovery: The halt information is printed on the system operator's console (990 series message), preceding message 526. Determine the reason for the halt and correct the error condition. Do not use the following statements in programs written to run under the CCP:
- RPG II: Halt indicators.
- COBOL: STOP statement.
- FORTRAN IV: PAUSE statement.
- Basic Assembler: Branch to general entry (hex 0004) with a RIB of 85 (call halt/syslog).

RPG II program must protect against an unidentified record halt.

80 Models 8, 10, and 12:

Reason: Program has requested an undefined function from the CCP. In an RPG II, COBOL, or FORTRAN IV program, incorrect data area manipulation may have destroyed part of the program. In a Basic Assembler program, the sub-RIB used in a branch to general entry is invalid.

Recovery: Review the program and correct the logic.

80 Model 15:

Reason: The D option response was taken.

Recovery: None. This is normal termination after a dump.

82 Model 4:

Reason: An unrecoverable error has occurred during the CCP initialization of a user program's file:
- Filename not recognized.
- Filename not in PROGRAM assignment statement.
- Maximum skip line number is greater than printer page size.
- Disk file access method specified is not a valid access.
- Method of access is not permitted for this disk file organization.
- Disk file method of access does not match access method specified in PROGRAM assignment statement.
- Ordered load access specified, but it is not the first access of the file, or attempting to access a disk file to which an ordered load must be done first.
- An unordered load access is specified in this assignment set for this file; therefore, only unordered load is allowed during this CCP run.
- ISA or ISUA access was specified in the program, but cannot be allowed, because there have been previous adds to the file.
- File characteristics as defined in the program do not match those declared in the DISKFILE assignment statement (ORG, RECL, KEYL, and KEYPOS parameters).
- More than one file definition is being used to update, load, or add to same physical file in a program.

Recovery: Ensure that the file is defined at assignment time, that the file processing methods and file characteristics you have defined in your program are compatible with the file definition requirements for assignment, and that disk file sharing requirements have been considered.

82 Models 8, 10, and 12:

Reason: An unrecoverable error has occurred during the CCP initialization of a user program's file:
- — Basic Assembler program attempted to open a unit record device without allocating it.
- — Attempt to use a disk file, but the name of the file was not declared in the FILES parameter of the PROGRAM assignment statement.
- — Method of processing a disk file does not match the access value specified for that file in the FILES parameter of the PROGRAM assignment statement.
- — File characteristics as defined in the program do not match those declared in the DISKFILE assignment statement (ORG, RECL, KEYL, and KEYPOS parameters).
- — (Basic Assembler only) DTF is specified incorrectly or unit record device buffers are aligned incorrectly.

Recovery: Perform one of the following:
- — (Basic Assembler) allocate unit record devices (branch to general entry with RIB 8B) before attempting to open the files (branch to general entry with RIB 82).
- — Make sure the disk file is defined at assignment time.
- — Make sure the file processing methods and file characteristics you have defined in your program are compatible with the file definition requirements for assignment.
- — a. For disk files, see above.
  b. For unit record devices, ensure that you have aligned your unit record device buffers correctly.

82 Model 15:

Reason: One of the following unrecoverable errors occurred during the CCP initialization of a user program's file:

1. Basic assembler program attempted to open a unit record device without allocating it.

2. Filename not recognized.

3. Filename not in PROGRAM assignment statement.

4. Maximum skip line number is greater than printer page size.

5. Basic assembler print buffer is not on a hex 7C boundary.

6. Basic assembler card buffers are not properly aligned.

7. Disk file access method specified is not a valid access.

8. Method of access is not permitted for this disk file organization.

9. Disk file method of access does not match access method specified in PROGRAM assignment statement.

10. Ordered load access specified, but it is not the first access of the file, or attempting to access a disk file to which an ordered load must be done first.

11. An unordered load access is specified in this assignment set for this file; therefore, only unordered load is allowed during this CCP run.

12. ISA or ISUA access was specified in the program, but cannot be allowed, because there have been previous adds to the file.

13. 5444 disk file defined in the program, but file is on 5445 disk, or vice versa.

14. File characteristics as defined in the program do not match those declared in the DISKFILE assignment statement (ORG, RECL, KEYL, and KEYPOS parameters).

15. More than one file definition is being used to update, load, or add to same physical file in a program.

16. (FORTRAN IV) pseudo tape access is not permitted for a split cylinder file.

17. Programs using 3340 disk files have been compiled/link-edited on a 5445 disk file system.

18. Tried to open ADD to a file that has already been opened sequential add (Program Number 5704-SC2 only).

19. Program not recompiled for multivolume file usage.

20. Access to a multivolume file is other than random.

21. Program attempting to open other than the first volume of a multivolume file.

22. Program attempting to open more than four volumes of a multivolume file.

23. User access to a multivolume file is other than direct or indexed.

24. Program attempting to open more volumes of a file than were specified in assignment.

25. Program requires exclusive use of file, but file in use by some other task.

26. Program attempting unordered load, but file exists with data.

27. Program attempting to open file as either SHARE or NO-SHARE, but file is currently opened with conflicting share attributes.

Termination Code

82
(continued)

Recovery: Perform one of the following:
- (Basic assembler) allocate unit record devices (issue SVC with RIB 8B) before attempting to open the files (issue SVC with RIB 82).
- Ensure that you have aligned your unit record device buffers correctly.
- Ensure that the file is defined at assignment time, that the file processing methods and file characteristics you have defined in your program are compatible with the file definition requirements for assignment, and that disk file sharing requirements and CCP file usage restrictions have been considered.
- Recompile multivolume file program.

83   Models 4, 8, 10, and 12:

Reason:
- (RPG II or FORTRAN IV) CCP has encountered an error condition during program termination.
- (COBOL or Basic Assembler) CCP has encountered an error condition during disk file close.

Recovery: User program may have modified main storage outside of its bounds. If no error can be found, contact IBM for programming support.

83   Model 15 (Program Number 5704-SC2):

Reason: The disk DTF or IOB address is above the logical address (hex DFFF) in the user program.

Recovery: Reassemble the program to get the DTF or IOB below the logical address (hex DFFF).

84

Reason: Permanent I/O error during CCP initialization or termination of a user program's files.

Recovery: The problem could be hardware or, if a Basic Assembler program is being executed, it could be a program error. If an error cannot be found within the program, call IBM for programming support.

Note: In a Basic Assembler program, a disk DTF cylinder/sector value that is incorrect can result in a permanent disk error that would look like a hardware error.

Termination Codes

*Termination
Code*

85

> *Reason:* No available external buffer space left to reopen the file.
>
> *Recovery:* Recompile user program using fewer reopens of files. Multiple open/close of a file filled all available external buffer space.

8B

> *Reason:* Program attempted to use a card reader or printer, but the assignment parameter for the device was not specified in the PROGRAM assignment statement. Also, the program might have attempted to use the console as a noncommunication device.
>
> *Recovery:* Be sure to define unit record devices used by the program in the PROGRAM assignment statement. Also, be sure that operations issued to the console by the program running under the CCP are issued as communications operations.

EE

> *Reason:* Program attempted to use a put override operation to modify data in an input field.
>
> *Recovery:* Determine program name and approximate location of error from message 528. Change field class to output/input or review logic of this operation.

EF

> *Reason:* Program used an invalid modify data indicator in a put override operation.
>
> *Recovery:* Determine program name and approximate location of error from message 528. Change indicator to blank to indicate no modified data, or M to indicate modified data.

FO

> *Reason:* Program used an invalid character for cursor positioning in a put override operation.
>
> *Recovery:* Determine approximate location of error from message 528. Correct the cursor positioning character to C to position the cursor or to blank if cursor is not to be positioned.

*Termination
Code*

F1

> *Reason:* Program gave an invalid character in a put override operation to override the field type, or the field type character was not consistent with alpha/numeric field rules.
>
> *Recovery:* Determine approximate location of error from message 528. The field type must be blank, 1, 2, or 5 for output fields; blank or 1-7 for SPD and input fields; blank or 1-8 for output/input fields.
>
> If the field is defined as alpha, valid override characters are 1, 2, or 5 (and 7, for input alpha fields); if the field is numeric, valid characters are 3, 4, or 6 for input or output/input fields.

F2

> *Reason:* The value given as the output length for a DFF put message, copy, or put override operation was incorrect.
>
> *Recovery:* Determine which output record is in error and recalculate the length of data that should be provided or the value that should be given:
>
> > *Put Message:* The output length value must include the six positions for the display format name and the full length of each field supplied at execution time (plus 14, in RPG II SPECIAL).
> >
> > *Copy:* The output length value must be 6 or 7 (if the copy control character is specified). (In RPG II SPECIAL, the value must be 20 or 21.)
> >
> > *Put Override:* The output length value must include the WCC, nine positions for each field that is overridden, plus the full length of each field that has modified data (plus 14, in RPG II SPECIAL).

F3

Reason: The model number specified for the display format does not match the model number of the terminal.

Recovery: Request a different format or regenerate the display format, designating the proper model number.

F4

Reason: A field name was expected in the record area for a put override operation with DFF and one of the following occurred:
- The field name was not provided in the correct sequence.
- A field name is duplicated in the record area.
- An invalid field name was specified.
- An incorrect value was given for output length.
- The field name was not given in the proper location in the record area.
- The field may have been defined as data source F instead of G.

Recovery: Determine which output record contains the error and determine the position in the record area where the field name in error is located (message 528 provides this value). Verify the following:
- The order and spelling of the field names match those in the format generation listing.
- The proper format is being overridden.
- The value given for the output length includes the WCC, nine positions for each overridden field, plus the full length of each field that has modified data (plus 14, in RPG II SPECIAL).
- The editing of an output field did not blank out the M designating modified data.

F5

Reason: A modify data indicator of E was used, but the field being erased to nulls is an output or SPD field type. A modify data indicator of E is valid only for input or output/input type fields.

Recovery: Determine the output record in error, and determine the position in the record area where the field name in error is located (message 528 provides this value). Verify that an attempt is being made to override an output or SPD field type. Correct the PUT override list or format.

F6

Reason: The space available in the program-appended storage area for DFF is not large enough to contain the field descriptor table for the desired format.

Recovery: Check the field descriptor table size for every format this program uses, and increase the DFFSFDT value on the PROGRAM assignment statement.

F7

Reason: The program attempted to use a put override operation to modify the field type, to change the cursor position, or to cause a field erase on a printer-generated format.

Recovery: Review program logic. The modify data operation is the only put override operation valid for printer-generated formats. The field type and cursor position entries must be left blank in the output data.

F8

Reason: The amount of text to be sent to a 3270 terminal is more than 256 bytes and the output hold area is not large enough.

Recovery: The output hold area must be at least 512 bytes in length for blocking of output text when using DFF. Specify a value of 512 bytes or larger on the BLKL keyword of the TERMATTR assignment statement.

F9

Reason: Disk I/O error occurred during operation of the display format control routine.

Recovery: System operator should obtain a dump of main storage from $CCPFILE. Call your IBM representative.

FA

Reason: For a DFF copy operation, the *from* and *to* terminals are either not both online, not attached to the same control unit, or not on the same BSCA/BSCC line.

Recovery: Verify the terminal names used in the copy operation. Obtain verification of the status of the desired *from* and *to* terminals from the system operator.

Termination Codes

Termination
Code

FB

Reason: The BSCA/BSCC line buffer is smaller than the output hold area for DFF.

Recovery: The BSCA/BSCC line buffer must be at least as large as the output hold area defined for the line. Check that the value for BLKL in the TERMATTR statement you are using for this terminal is large enough for your data.

FC

Reason: The desired display format was not found on the specified disk pack for DFF.

Recovery: Verify that the display format name is valid, and verify which disk pack it is on. All display formats must be on the same disk pack (program or system pack). If the format name and location are correct, contact IBM for CCP programming support.

FD

Reason: A non-SPD field (input or output/input) was received from a terminal, and the data was received due to a selector pen attention field.

Recovery: Data cannot be provided to the program for input or output/input field in this case. Evaluate the types of fields defined at the terminal. In the case of overlay formats, the modify data indicators were not reset when the overlay format was issued to the terminal, or a non-SPD field was modified to an SPD field by improper data.

Termination
Code

FE

Reason: Not enough space was allocated in the program-appended storage area for the program to use DFF.

Recovery: Increase the number of terminals this program can communicate with concurrently in the DFFMTERM keyword or the number of display formats this program uses in the DFFNDF keyword of the appropriate PROGRAM assignment statement.

FF

Reason:

1. Program is attempting to communicate with a terminal using DFF, and a display format had not previously been sent to a terminal by means of a put message or copy operation.

2. The format is not on the terminal because either a negative return code was received from the last output operation, or a CLEAR key return code was received from the last input operation issued to the terminal.

Recovery:

1. Restructure the program to issue a display format to the terminal before attempting to receive data from the terminal via DFF. This message does not apply to an accept input that is preceded by an implied Invite Input (data allowed with the program request from the terminal).

2. Transmit a format to the terminal.

The halts in this chapter are listed as follows:

- Model 4 halts

- Models 8, 10, 12, and 15 halts

Halts

Model 4 Halts

BATCH PROCESSING HALTS

Halts displayed by the halt code display lights indicate incorrect program operation, machine errors, or in some cases, information or instructions. If the log option is used, error codes are printed on the logging device. Whenever a programmed halt occurs, take the appropriate action indicated in the *IBM System/3 Model 6 Halt Guide*, GC21-7541.

CCP HALTS

During startup of CCP, before communications lines are opened, halts are handled just as they are without CCP. But at the completion of startup, when the communications network has been enabled, CCP intercepts all halts issued through the system halt facility and treats them as follows.

All Halts Other Than Those Indicating an Error on a Unit Record Device

The halt is not displayed in the message display unit and the system does not stop. A CCP message is logged at the console to indicate the halt code issued (message number 991 or 993). The halt was issued because of an error on the part of a user program. Either the program issued the halt itself (user programs running under CCP are not permitted to issue halts), or the halt was issued by a system support routine because of an error in the user program. In any case, the user program is canceled by CCP because of the error, causing message 526 to appear on the console after the message identifying the halt. In the message 526, the program termination code CODE-7F appears, indicating the user task was canceled due to the halt.

Halts For Printer Errors

When a printer error occurs, clear the error and set the SYSTEM START/STOP switch to START. You do not enter an option on the keyboard to determine the action the system takes after you reset the halt. When the halt is reset, CCP always takes a specific action (option) for each halt. If the device is not made ready after the error condition is cleared, the PRINTR light comes on indicating the system is waiting for the device to become ready.

Halt

ABD

Reason: Return code other than 00 or 01 received from accept input operation (can only happen on data program request).

Recovery:

1. Set the SYSTEM START/STOP switch to START; an error message is written and input data is required.

2. Take a dump of the main storage contents by setting the SYSTEM RESET switch to ON and the SYSTEM START/STOP switch to START, or by using the appropriate standalone main storage dump program.

Note: If you enter the correct data and length of data and get error messages from CCPIVP, CCP may be passing invalid information in the parameter list or record area.

Issued by: CCPIVP

ABD1

Reason: When running $CCPDT the system is waiting for an interrupt from the work station or BSCA line.

Recovery: There is no need to respond to this halt. The halt will be reset when the system receives an interrupt.

ABD123

Reason: An error occurred while using the disk file, and control returned to the application program indicating a nonrecoverable condition.

Recovery:

1. Set the SYSTEM START/STOP switch to START; CCPIVP goes directly to EOJ.

2. Take a dump of the main storage contents by setting the SYSTEM RESET switch to ON and the SYSTEM START/STOP switch to START, or by using the appropriate standalone main storage dump program.

ABD1245

Reason: This copy of CCPIVP was requested by a terminal and the release operation code failed.

Recovery:

1. Set the SYSTEM START/STOP switch to START; CCPIVP will go to EOJ.

2. Take a dump of the main storage contents by setting the SYSTEM RESET switch to ON and the SYSTEM START/STOP switch to START, or by using the appropriate standalone main storage dump program.

Issued by: CCPIVP

ABD2345

Reason: An error occurred while using the printer, and control returned to CCPIVP indicating a non-recoverable error.

Recovery:

1. Set the SYSTEM START/STOP switch to START; CCPIVP goes directly to EOJ.

2. Take a dump of the main storage contents by setting the SYSTEM RESET switch to ON and the SYSTEM START/STOP switch to START, or by using the appropriate standalone main storage dump program.

ABD1235
ABD1345
ABD135
ABD2
ABD3
ABD34
ABD5

Reason: An unexpected return code, non 00, was received on an output operation or a non 00 or 01 was received on an input operation. These halts correspond to a particular operation issued in the program at a particular time.

Recovery:

1. Set the SYSTEM START/STOP switch to START; the completion code is printed on the console and input is required.

2. Take a dump of the main storage contents by setting the SYSTEM RESET switch to ON and the SYSTEM START/STOP switch to START, or by using the appropriate standalone main storage dump program.

After doing step 1 for one of the above halts, the following is printed:

TNAME-ssssss, UNEXPCTD RET CODE rrrr
ENTER TA OR xx

rrrr	Return code in hexadecimal
TA	Operation retried
xx	Any characters other than TA; program goes to EOJ
ssssss	Symbolic terminal name of console

AC1234

Reason: Printer head or forms failed to move on request.

CCP option taken: 1 — Retry.

AC12345

Reason: Printer print check.

CCP option taken: 0 — Ignore.

Halts

AC134

Reason: Printer margin check.

CCP option taken: 0 — Ignore.

AC23

Reason: Printer synchronous check.

CCP option taken: 0 — Ignore.

1234 Halt During CCP Operation Stage

When the 1234 halt occurs for CCP during the operational stage, it indicates a disaster error condition. Perform the following to obtain a main storage dump to determine the problem:

1. Set the SYSTEM RESET to ON and SYSTEM START/STOP to START.

2. A subhalt occurs. Record the subhalt for the IBM customer engineer.

3. Set the SYSTEM START/STOP switch to START again.

4. Perform the IPL process before starting the next job.

When an abnormal CCP termination occurs during the CCP operational stage, such as a 1234 halt, disk file pointers are not updated and disk files are not closed. In this case, the *Disk File Recovery Program* can be used to close disk files.

1234

Any halts that appear in the message display unit during the running of CCP, other than the 1234 halt, can be found in the *IBM System/3 Model 6 Halt Guide*, GC21-7541.

1234   ABC12

Reason: Trace service aid sensed a hex FFFF in the dials.

Issued by: CCSA

1234   ABC123

Reason: Disk error encountered while reading or writing the $CCPLOG file.

Issued by: $CC4XB, $CC4XF, $CC4X7, $CC4X8, $CC4X9

1234   ABC13

Reason: When the 1234 halt occurs in the message display unit during the assignment build program, it indicates that one of the previous assignment sets was not processed successfully. Refer to the assignment diagnostics for corrections.

Recovery: Perform the following:

1. Set the SYSTEM START/STOP switch to START.

2. The ABC13 subhalt appears if SYSLOG is off.

3. Set the SYSTEM START/STOP switch to START again; then key a 3.

4. Review the message from assignment, correct any errors, and rerun those sets containing errors.

Issued by: $CCPAS

1234 ABC2345

Reason: Invalid relative message number parameter input to a command processor task message transient ($CC4Ex). The command processor transients issue this halt, where x identifies the specific transient.

Issued by: $CC4Ex except $CC4EJ

OR

Reason: The current trace ID and the selected trace ID match when compared, or the selected trace was 00.

Issued by: CCSA

OR

Reason: DFF initialization failure. A relocation value exists in the main DFF module $CC4DF, which is not defined in the module that relocates it ($CC4CT) relative to CCP. XR2 at entry to CPHALT points to the addresses that $CC4DF wanted relocated.

Issued by: $CC4CT

1234 ABC34

Reason: Under the specifications of CCP, there are several MLTA/BSCA IOCS completion codes that are impossible to receive under valid circumstances. The occurrence of this halt means that one of these invalid completion codes was returned by the IOCS.

Issued by: $CC4BE, $CC4MA

1234	ABCD
1234	**ABCD1**
1234	**ABCD123**
1234	**ABCD1234**
1234	**ABCD12345**
1234	**ABCD1235**
1234	**ABCD124**
1234	**ABCD1245**
1234	**ABCD1345**
1234	**ABCD135**
1234	**ABCD2**
1234	**ABCD234**
1234	**ABCD2345**
1234	**ABCD3**
1234	**ABCD34**
1234	**ABCD4**

Reason: Invalid relative message number parameter input to a command processor task message transient ($CC4Ex). The command processor transients issue these halts where x identifies the specific transient.

Issued by: $CC4Ex except $CC4EJ

1234 ABD4

Reason: A 1234 halt in the user program level indicates that an unrecoverable disk error occurred during startup. If you set the SYSTEM START/STOP switch to START, you get an ABD4 subhalt.

Recovery: Take a main storage dump and save it for the IBM customer engineer. Several addresses are saved in main storage when this halt occurs, which helps the customer engineer determine the cause of the trouble. If you set the SYSTEM START/STOP switch to STOP, then back to START again when the ABD4 subhalt appears, startup terminates CCP and returns control to the disk system.

Issued by: $CCP, all $CC3xx except $CC3CE, $CC3CX, $CC3FB, $CC3QB, $CC3RO, $CC3UB

1234 ACD1

Reason: Unknown sense status from 3741 or 3735.

Issued by: $CC4B5, $CC4B7

1234 AC12345

Reason: A CCP system task issued a put to a terminal for which a translation error occurred. You need to find the last parameter list that caused the problem.

Issued by: $CC4WR

1234 BCD

Reason: A system task caused a request for an unconditional halt.

Issued by: $CC4H1

1234 BCD1

Reason: A relocation value exists in the main shutdown module ($CC5SH), which is not defined in the module that loads and relocates it ($CC4EJ).

Issued by: $CC4EJ

1234 BCD12345

Reason: The last trace table entry will be a 09 (free-main) showing the freemain parameter list address at +12. Also, the invoker's ARR, XR1, and XR2 are in the trace entry. This error is a detection of:
— Address specified outside of main storage pool.
— Length specified indicates some portion of the freemained area outside of the main storage pool.

There is no detection of erroneous freemain that falls within main storage pool.

Issued by: $CC4MM, $CC4MS

1234 BCD1235

Reason: The communications task made a request for an unconditional halt.

Issued by: $CC4H2

1234 BCD124

Reason: Allocation control routine entered with no work to perform.

Issued by: $CC4A1

1234 BCD34

CE Halt:

Reason: An undetermined unrecoverable halt was encountered.

Issued by: $CC4H4

Operator Halt:

Reason: An error occurred while running the disk dump again.

Recovery: Refer to the DPxxx messages for recovery. If LOG is OFF, a subhalt BCD34 will be displayed. Rerun $CCPDD with LOG ON to find specific reason for the halt.

1234 BCD5

Reason: In writing the initial form of the $CCPFILE, an uncorrectable disk error occurred.

Recovery: Run the alternate track assignment program and then rerun $CC1BF.

Issued by: $CC1BF, $CC1BL

1234   CD

Reason: Permanent disk I/O error during CCP transient read.

Issued by: $CC4PI

1234   CD123

Reason: Getmain failed when the field @GMS in $CCCOM indicated that it should have worked. A getmain was attempted from $CC4CM that should have worked. However, the getmain routine returned an indication that it failed.

Recovery: Possibly the field @GMS is bad.

Issued by: $CC4CM

1234   CD1345

Reason: Exit was made to general entry with an RIB that CCP is not equipped to handle.

Issued by: $CC4IG

1234   CD135

Reason: Reserved transient.

Issued by: $CC4B3

1234   CD34

Reason: Getmain failed when the field @GMS in $CCCOM indicated that it should have worked. A getmain was attempted from $CC4CM that should have worked. However, the getmain routine returned an indication that it failed.

Recovery: Possibly the field @GMS is bad.

Issued by: $CC4CM

1234   EE

Reason: When the 1234 halt occurs during a display format generation, it indicates that an error was encountered during the generation. EE is a terminal error and you cannot put the format in the library.

Recovery: Key in a 0 to continue processing the rest of the formats. Cancel the job by keying a 3.

1234   F1

Reason: When the 1234 halt occurs during a display format generation, it indicates that an error was encountered during the generation.

Recovery: Key in a 0 to place the generated display format in the library, or key a 3 to cancel the job.

1234   PP

Reason: When the 1234 halt occurs during printer format generation, it indicates that an error was encountered. PP is a terminal error and the format cannot be put in the library.

Recovery: Key in a 0 to continue processing the rest of the formats. Cancel the job by keying a 3.

1234   P1

Reason: When the 1234 halt occurs during printer format generation, it indicates that an error was encountered.

Recovery: Key in a 0 to place the generated display format in the library. Key in a 3 to cancel the job.

Halts

Models 8, 10, 12, and 15 Halts

Any halts that appear in the message display unit during running of CCP other than the U— halt can be found in the appropriate halt guide listed under *Related Publications* in the Preface. Some U— halts are displayed on the first line of the message display unit and the second line on the display contains a complete message. These messages are self-explanatory and are not documented in this manual.

If one of the U— halts described here does not appear, there is a good possibility that some program has inadvertently branched to location 0. The halt routine (CPHALT) uses whatever is in the ARR to address the values to be used in the HPL instruction.

CCP GENERATION ERROR

Reason: An incorrect specification was used during CCP generation.

Recovery:

1. Select the 3 option.

2. After correcting your generation control statements, restart CCP generation.

U— HALT DURING THE CCP OPERATIONAL STAGE

When the U— halt occurs for the CCP level during the operational stage, it indicates a disaster error condition. Perform the following to obtain a main storage dump for problem determination:

1. Press HALT RESET/START.

2. A subhalt occurs if SYSLOG is off. Record the sub-halt for your IBM customer engineer.

3. If running under DPF and the other level is processing, you should wait until the other level is at end of job before taking a dump.

4. Press HALT RESET/START to obtain the dump. If pressing HALT RESET/START fails and you are running CCP in program level 2, obtain a main storage dump as follows:
   a. Press SYSTEM RESET, then START. This results in a processor check.
   b. Press SYSTEM RESET again, then START, to initiate the dump.

5. Perform the IPL process before starting the next job.

The U— halt is forced by pressing the SYSTEM RESET and then the START key while the CCP is in operation. In this case, pressing HALT RESET leads to an unpredictable sub-halt. Pressing HALT RESET again results in a main storage dump.

When an abnormal CCP termination occurs during the CCP operational stage, such as a U— halt, disk file pointers are not updated and disk files are not closed.

A U— halt appears briefly in the non-CCP program level of a DPF system when CCP is canceled or shut down.

PROCESSOR CHECK DURING THE CCP OPERATIONAL STAGE

Reason: A processor check during CCP operation indicates a disaster error condition.

Recovery: Obtain a main storage dump; proceed as follows:

1. Press SYSTEM RESET and START. This will yield a U— halt.

2. Follow the procedure under *U— halt during the CCP Operational Stage.*

⌐₁ 0 through ⌐₁ 9

Reason: These incrementing halts indicate that CCP has no work to perform and is awaiting input from a teleprocessing device or the system console. Each time CCP receives an interrupt (hardware generated) from a teleprocessing device or the console that requires CCP processing, the halt is incremented by one. The range of the halt is ⌐₁ 0 through ⌐₁ 9.

This halt appears in the message display unit if the MINRES-NO parameter was specified on the $EGEN statement during CCP Generation.

Recovery: None. Pressing HALT RESET/START only increments the halt by 1. Options are not available, and error codes are not logged.

U— ƀE

Reason: A hardware malfunction occurred on the console. Contact your IBM customer engineer for hardware support if the halt continues.

Recovery: Retry, wait for the PROCEED light, and rekey the operation.

U— ƀF

Reason: An end-of-forms condition occurred on the console or the paper pressure lever is not engaged.

Recovery: Perform one of the following:
— Place new form in the console and press HALT RESET/START.
— Continue by pressing HALT RESET/START. The halt will recur until forms are placed in the console.
— Engage the paper pressure lever and press HALT RESET/START.

U— ƀH

Reason: A hardware malfunction occurred on the console. The printer is out of order and needs service. Contact your IBM customer engineer for hardware support.

Recovery: Press HALT RESET/START, and CCP will ignore this operation if it continues.

U— ƀJ

Reason: A hardware malfunction occurred on the console. The printer is out of order and needs service. Contact your IBM customer engineer for hardware support.

Recovery: Press HALT RESET/START.

U— ⌐₁ 4

Reason: Getmain failed when the field @GMS in $CCCOM indicated that it should have worked. A getmain was attempted from $CC4CM that should have worked. However, the getmain routine returned an indication that it failed.

Recovery: Possibly the field @GMS is bad.

Issued by: $CC4CM

U— ⅃Ƅ

Reason: The MLTA IOCS returned a completion code, which under CCP specifications can only occur for a nonread (hex 44). The completion code for a read operation says that nonwrap polling was specified, which is never the case for CCP.

Recovery: Check the wrap bit in the polling list to see if it is set properly.

Issued by: $CC4MA

U— ⅃5

Reason: This halt occurs when you are dealing with 2740 Model 2 buffered receive terminals. A read conversational is issued from the transient $CC4MC. If this halt occurs, the IOCS rejected the read.

Recovery: The MLTA DTF needs to be analyzed to determine the problem. In particular, the operation start code ($MDOSC) needs to be checked.

Issued by: $CC4MC

U— ⅃8

Reason: A CCP system task issued a put to a terminal for which a translation error occurred.

Recovery: Find the last parameter list that caused the problem.

Issued by: $CC4WR

U— AC

Reason: A system task has gone to end of job invalidly. This may have been caused by an MLTA adapter check.

Recovery: Select one of the following options:
2 — Controlled cancel.
3 — Immediate cancel.

Note: Contact IBM for hardware support.

U— AF

Reason: In writing the initial form of the file $CCPFILE, an uncorrectable disk error occurred.

Recovery: Run the alternate track assignment program, and then rerun $CC1BF.

Issued by: $CC1BF, $CC1BL

Note: If this error continues to occur, contact IBM for hardware support.

U— AL

Reason: Allocation control routine entered with no work to perform.

Issued by: $CC4A1

U— A1

Reason: When the U— halt occurs in the message display unit during the assignment build program, it indicates that one of the previous assignment sets was not processed successfully. Refer to the assignment diagnostics for corrections.

Recovery:

1. Press HALT RESET/START.

2. The A1 subhalt appears if SYSLOG is off.

3. Press HALT RESET/START to go to end of job. You must enter 3 (immediate cancel) in the Address/Data switches.

4. Review the message from assignment, correct any errors, and rerun those sets containing errors.

Issued by: $CCPAS

U— A3

Reason: Error during user security processing. Probable user error.

Recovery: Select one of the following options:
0 — Continue processing.
1 — Ignore the record.
2 — Controlled cancel.
3 — Immediate cancel.

Issued by: $CCPAU

U— A4

Reason: An error occured while running the disk dump program or trace table dump.

Recovery: Refer to the DPxxx message (Chapter 1) for recovery. If LOG is OFF, a subhalt A4 will be displayed. Rerun $CCPDD with LOG ON to find specific reason for halt.

Issued by: $CCPDD

U— BC

Reason: Bad START code from MLTA IOCS.

Recovery: Select one of the following options:
2 — Controlled cancel.
3 — Immediate cancel.

Issued by: $CC4TH

Note: Contact IBM for programming support.

U— CC

Reason: Invalid disk record number.

Recovery: Select one of the following options:
2 — Controlled cancel.
D — Respond with a D option in place of the 3 option for a main storage dump. Contact IBM for programming support.

Issued by: $CC1PP

U— CR

Reason: Invalid BSCC return code.

Recovery: Select one of the following options:
2—Controlled cancel.
3—Immediate cancel.

Issued by: $CC4UE

U— CS

Reason: Invalid data field status or attachment status was received from the BSCC controller.

Recovery: Select one of the following options:
2—Controlled cancel.
3—Immediate cancel.

Note: If the attachment status is $'y^4yy'$, $'y^8yy'$, or $'y^Cyy'$, then an I/O attention exists. Operator should check all BSCC connections.

Issued by: $CC4UL

U— CU

Reason: Select main storage location to load dump.

Issued by: CCPDPN

U— cu

Reason: Trace service aid sensed a hex FFFF in the dials.

Issued by: CCSA

U— dF

Reason: A relocation value exists in the main DFF module $CC4DF, which is not defined in the module that relocates it ($CC4CT) relative to CCP. XR2 at entry to CPHALT points to the addresses that $CC4DF wanted relocated.

Issued by: $CC4CT

Halts

U— DL

Reason: Startup error.

Recovery: Respond with D option in place of the 3 option for a main storage dump. Contact IBM for programming support.

Issued by: $CC3DL

U— DM

Reason: Startup error.

Recovery: Respond with a D option in place of the 3 option for a main storage dump. Contact IBM for programming support.

Issued by: $CC3DM

U— dP

Reason: The current trace ID and the selected trace ID match when compared, or the selected trace was 00.

Issued by: CCSA

U— EA
U— EB
U— EC
U— ED
U— EE
U— EF
U— EG
U— EH
U— EL
U— EP
U— EU
U— Ex
U— E1
U— E2
U— E3
U— E4
U— E5

Reason: During CCP execution there is an invalid relative message number parameter input to a command processor task message transient ($CC4Ex). The command processor transients issue these halts, where x identifies the specific transient.

Issued by: $CC4Ex except $CC4EJ

U— EE

Reason: When the U— halt occurs in the message display unit during a display format generation, it indicates that either a warning or a termination error was encountered during the generation.

Recovery:
1. Press HALT RESET/START if SYSLOG is off. Subhalt EE (for termination errors) appears if SYSLOG is off.
2. Enter 0 in the Address/Data switches to continue with the next format if multiple formats are being generated.
3. Immediate cancel (option 3).

U— FE

Models 4, 8, 10, and 12:

Reason: The last trace table entry will be a 09 (freemain) showing the freemain parameter list address at +12. Also, the invoker's ARR, XR1, and XR2 are in the trace entry. This error is a detection of:
— Address specified outside of main storage pool.
— Length specified indicates some portion of the freemained area outside of the main storage pool.

There is no detection of erroneous freemain that falls within main storage pool.

Issued by: $CC4MM, $CC4MS

Model 15 Execution:

Reason: The last trace table entry of an E9 (freemain) showing the freemain parameter list address at +3. This error is a detection of:
— Address specified outside of main storage pool.
— Length specified indicates some portion of the freemained area outside of the main storage pool.
— No freemain chain points to element to free.

Issued by: $CC4TH

Model 15 Startup:

Reason: Permanent disk error. On either a read or write, a permanent disk error was encountered. A dump of main storage will point out the startup module in control.

Issued by: $CCP

U— F1

Reason: When the U— halt occurs in the message display unit during a display format generation, it indicates that either a warning or a termination error was encountered during the generation.

Recovery:
1. Press HALT RESET/START if SYSLOG is off. Subhalt F1 (for warning errors) appears if SYSLOG is off.
2. Enter 0 in the Address/Data switches to place the generated display format in the library.
3. Immediate cancel (option 3).

Issued by: $CC2CP

U— F2

Reason: At least one user specification error was detected while processing the $E macro statements, and CCP generation cannot continue. All error diagnostic messages are printed as encountered while printing the user specification statements.

Recovery: Immediate cancel (option 3).
— Card-oriented generation: Correct the statements in error, and restart the generation by reloading the generation deck in the system input device.
— Cardless-oriented generation: If the $E control statements were from a source library member, correct the statements and call procedure $CG1G1 again. If the $E control statements were from the system input device, restart the generation by calling procedure $CG1G1 and again enter the $E control statements when requested.

Issued by: $CC1PP

U— F6

Reason: A relocation value exists in the main shutdown module ($CC5SH), which is not defined in the module that loads and relocates it ($CC4EJ).

Issued by: $CC4EJ

U— GE

Reason: Error occurred during generation.

Recovery: Control cancel (option 2). Contact IBM for programming support.

Issued by: $CGNSX

U— GV

Reason: Invalid call. An error occurred during generation.

Recovery: Immediate cancel (option 3). Contact IBM for programming support.

U— HE

Reason: In reading from the file $SOURCE, which contains the output from the first pass of generation, an uncorrectable disk failure was encountered.

Recovery:
1. Select the 2 or the 3 option.
2. Eliminate the output from the first generation pass in the $SOURCE file by:
   a. Running the alternate track assignment program
   b. Deleting the $SOURCE file that you were using
   c. Begin generation again with the // LOAD $MPXDV,##step

Issued by: $CC1PP

Halts

U— H1

Reason: A system task caused a request for an unconditional halt.

Issued by: $CC4H1

U— H2

Reason: The communications task made a request for an unconditional halt.

Issued by: $CC4H2

U— NS

Reason: No sense/status returned from 3270 terminal. This halt occurs when an error occurs on a 3270/3275 terminal which causes a poll for status operation. The 3270 does not return a status message due to a hardware failure. The 411 message preceding this halt identifies the terminal that CCP polled for status.

Recovery: Select one of the following options:
2—Controlled cancel.
3—Immediate cancel.

Issued by: $CC4BE

U— OB

Reason: Object file space is too small. Increase the space specification on the $WORK FILE card.

Recovery: Immediate cancel (option 3).

Issued by: $CGNPE, $CGNPS

U— OS

Reason: The system task has performed an invalid action which has caused some system routine to attempt to terminate it. The instruction in $CC4TI labeled TIGOAA contains the address of the task completion code. This address follows the branch made to the termination interface from somewhere in the system.

Recovery: This halt can be caused by an MLTA adapter check. If your CCP system supports MLTA, check for the hex 41 completion code in the MLTA adapter DTF to determine whether the problem is an MLTA adapter check.

Issued by: $CC4TI

U— PC

Models 8, 10, and 12:
Reason: Recoverable print error.

Issued by: CCPDHN

Model 15:
Reason: A program check occurred in a CCP system task. The system task is identified in the message text.

Recovery: Select one of the following options:
2 — Controlled cancel.
3 — Immediate cancel.

Note: Contact IBM for programming support.

U— PP

Reason: When the U— halt occurs in the message display unit during a printer format generation, it indicates that either a warning or termination error was encountered during the generation.

Recovery:
1. Press HALT RESET/START if SYSLOG is off. Subhalt PP (for termination errors) appears if SYSLOG is off.
2. Enter 0 in the address/data switch to continue with the next format if multiple formats are being generated.
3. Immediate cancel (option 3).

Issued by: $CC2CG, $CC2CQ

U— PU

Reason: The system punch device could not be allocated. Either it is being used by the other program level in a DPF system or the system has an internal error.

Recovery:
1. Select the 2 or the 3 option.
2. Perform one of the following:
   a. If the device is being used by the other program level, run $CC1PP after the other level completes processing and goes to end of job.
   b. If the system has an internal error, contact your IBM customer engineer for program support.

Issued by: $CC1PP

U— PS

Reason: One of the following was input to wait/post:
— Post mask is all zero.
— TCB address to post is all zero.
— Wait event count is zero.

The input parameter list address to wait/post is in $CCCOM ($CCARR).

Issued by: $CC4PS, $CC4WT

U— P1

Reason: When the U— halt occurs in the message display unit during a printer format generation, it indicates that either a warning or termination error was encountered during the generation.

Recovery:
1. Press HALT RESET/START if SYSLOG is off. Subhalt P1 (for warning errors) appears if SYSLOG is off.
2. Enter 0 in the Address/Data switches to place the generated printer format in the library.
3. Immediate cancel (option 3).

Issued by: $CC2CQ

U— RC

Reason: Invalid MLTA/MLMP return code.

Recovery: Select one of the following options:
2 — Controlled cancel.
3 — Immediate cancel.

Issued by: $CC4TH

Note: Contact IBM for programming support.

U— SC

CE Halt (Models 8, 10, 12, and 15):
Reason: This halt occurs when an operation is issued from $CC4CM and the MLTA IOCS returns a nonzero operation start code. $CC4CM calls $CC4SC to analyze the start code. $CC4SC halts if it determines that it is a CCP problem.

Recovery: The MLTA DTF needs to be checked. In particular, the operation start code should be analyzed.

Issued by: $CC4SC (Models 8, 10, and 12)
           $CC4TH (Model 15)

Operator and CE Halts (Model 15):
Reason: End of file is encountered on source file ($SOURCE) with no /* read. Contact IBM for programming support.

Recovery: Immediate cancel (option 3).

Issued by: $CGNCM

U— SE

Reason: Select main storage bounds to be dumped.

Issued by: CCPDPN, CCPDTN

U— SO

Reason: More than 32,767 statements in the $SOURCE file.

Recovery: Immediate cancel (option 3).

U— SS

Models 8, 10, and 12:
Reason: Unknown sense status from 3741 or 3735.

Issued by: $CC4B5, $CC4B7

Model 15:
Reason: An invalid sense status was received.

Recovery: Select one of the following options:
2 — Controlled cancel.
3 — Immediate cancel.

Issued by: $CC4TH

Note: Contact IBM for hardware support.

U— TE

Reason: Translation error in the system pack.

Recovery: Select one of the following options:
2 — Controlled cancel.
3 — Immediate cancel.

Issued by: $CC4TH

Note: Contact IBM for hardware support.

U— U—

Reason: A U— halt with a subhalt of U— is displayed in the non-CCP program level of a DPF system during startup. This halt indicates that no program can be loaded until CCP has started at which time the U— halt is changed to an EJ halt.

Recovery: If you cancel CCP during startup, reset the U— halt in the non-CCP level by loading CCP again or by performing system IPL again.

U— Ud

Reason: Error during disk file usage.

Issued by: CCPIVP

U— UE

Reason: A U— halt in the user program level indicates that an unrecoverable disk error occurred. If the HALT RESET/START key is pressed, a UE subhalt appears in the message display unit.

Recovery: A main storage dump should be taken at this point and saved for your IBM customer engineer. Several addresses are saved in main storage when this halt occurs and are available to your IBM customer engineer for aid in determining the cause of the trouble. If the HALT RESET/START key is pressed again when the UE subhalt appears, startup terminates CCP and returns control to the disk system.

Issued by: $CC3DL, $CC3DM

U— UP

Reason: Unrecoverable error while using printer.

Issued by: CCPIVP

U— WK

Reason: Work file space is too small or is not available. If not using $WORK2 FILE card, add one. If you are using $WORK2 FILE card, increase the space specification.

Recovery: Immediate cancel (option 3).

Issued by: $CGNCM, $CGNSF, $CGNSS

U— YA

Reason: User password security was specified at assignment, but user password security routine is not on the system.

Recovery: Select one of the following options:
2 — Controlled cancel.
3 — Immediate cancel.

Issued by: $CC4YA **(Models 8, 10, and 12)**
$CC4TH **(Model 15)**

U— Y6

Reason: Bad load of local display adapter microcode.

Issued by: $$BSMA if Y6 resident polling; $$BSLO if Y6 nonresident polling.

U— 2 ⸏⸏

Reason: Under the specifications of CCP, there are several MLTA/BSCA IOCS completion codes that are impossible to receive under valid circumstances. The occurrence of this halt means that one of these invalid completion codes was returned by the IOCS.

Issued by: $CC4BE, $CC4MA

U— 41

Reason: Permanent disk I/O error during CCP transient read.

Issued by: $CC4PI

U— 93

Reason: Reserved transient.

Issued by: $CC4B3

U— 95

Reason: Exit was made to general entry with an RIB that CCP is not equipped to handle.

Issued by: $CC4IG

U— U0

Reason: CCPIVP requested by terminal and release op code failed.

Issued by: CCPIVP

U— U1

Reason: Bad return code from accept input operation.

Issued by: CCPIVP

U— U2 through UA

Reason: Halts U2 through UA are all issued for the same reason, which is: Non-00 return code on an output operation, or a non-00 or non-01 return code on an input operation. Also, at the time of the halt, additional information will be logged.

Issued by: CCPIVP

Halts

Messages are sent to your terminal from CCP, the system operator, the application program, or the system service program. This chapter describes the messages that are sent from CCP and the system service program. Messages from CCP contain the reference identifier, the message text, the reason the message is issued, and the recovery procedure for each message if a recovery is required.

The messages are listed in five groups. In the first four groups the reference identifier is used to reference the reason and recovery, with the first character of the reference identifier indicating the group. Messages that begin with:

A   Indicate that the command you have entered is *accepted* by CCP.

E   Indicate that the command or program request that you have entered contains an *error* and is not accepted by CCP.

R   Indicate that your entry is correct but CCP has *rejected* it because the required resources are not available.

S   Indicate that the *system* is sending an unsolicited message.

In the fifth group, the first two characters (UQ) indicate the component code for the spool file copy program, and the next four characters indicate the message code.

When the message is issued, the cursor is preset to the proper position for keying the response. To respond to a recovery option message, the operator keys the selected option chosen from the options listed in the message text and presses ENTER.

To respond to a control statement error message, the operator rekeys the control statement and presses ENTER.

If a control statement error message is issued for a control statement read from the CONTROL file, the file is closed and the next control statement to process is read from the terminal.

Terminal Operator

A01 SIGNED ON—PROCEED

Reason: This message is issued after you successfully sign on. Communication is established with CCP so that you can start your terminal work session. You can enter a program request or the name, queue, no-queue, file, message, or sign-off command. You are signed on the terminal until you issue the sign-off command unless:
- The system operator changes the status of your terminal to offline.
- You are communicating with CCP via a switched line, and that line becomes disconnected.

Recovery: None.

A02 MESSAGE SENT

Reason: This message is issued in response to a message command when the message is sent to the system operator. Wait for a reply if you asked a question; otherwise continue entering commands to CCP.

Recovery: None.

A03 Q STATUS—PROCEED

Reason: This message is issued in response to the queue command. You have indicated that, if the requested program cannot start immediately, you are willing to wait for it. When you request a program after having entered this command, your terminal is locked until the program starts. Queue status remains in effect until you enter the no-queue command or the sign-off command. Continue with your terminal session.

Note: If you are using the System/3 Model 15 CCP, you may request the system operator to cancel your program request from the queue. You must contact the system operator by telephone or some other means, since you may not enter a message command to CCP.

Recovery: None.

A04 NOQ STATUS—PROCEED

Reason: This message is issued in response to the no-queue command. You have indicated that, if the requested program cannot start immediately, you are not willing to wait for it and CCP should reject your request. Continue with your terminal session.

Recovery: None.

A05 ACCEPTED—PROCEED

Reason: This message is issued in response to the name command. CCP has:
- Set the *doing-business-as* name of your terminal to the name you have specified if you entered /NAME xxxxxx.
- Reset the *doing-business-as* name of your terminal to its normal name if you have entered /NAME with no additional information.

The name set remains in effect until you enter another name command or sign off. Continue with your terminal session.

Recovery: None.

A06 ACCEPTED—PROCEED

Reason: This message is issued in response to the file command. CCP has:
- Associated the two names entered, if your command is of the form /FILE reference-name, actual-name.
- Deleted any reference-name association for the file specified, if your command is of the form /FILE reference-name.
- Deleted all reference-name—actual-name associations if your command is of the form /FILE.

If your command is of the form /FILE reference-name, actual-name, the name association you specified remains in effect until one of the following occurs:
- You enter another file command with the same reference-name.
- You enter a file command with no names.
- Your terminal is signed off or placed offline by the system operator.

Recovery: Continue with your terminal session.

A07   ENTER /MSG, /RELEASE, OR /RUN

Reason: This message is issued after you successfully enter the data mode escape characters which interrupt processing with the application program to allow you to communicate with CCP.

After you are in direct communication with CCP, you may enter:

/MSG — To send one or more messages to the system operator.

Then you can enter either:

/RUN -- To resume communication with the application program.
OR
/RELEASE — To immediately end communication with the interrupted application program. You are then able to enter any command to CCP.

Recovery: None.

A08   RELEASED — PROCEED

Reason: This message is issued in response to the release command. CCP has canceled communication with the application program, and you are free to enter commands or another program request.

Recovery: None.

A09   RESUME PROGRAM

Reason: This message is issued in response to the run command. Communication is reestablished with the application program. The next input from your terminal is data to that application program.

Recovery: None.

A10   SIGNED OFF — [HOLD/DROP] TERMINAL

Reason: This message is issued when you sign-off the terminal. The following actions occur:
- If the name command has assigned a *doing-business-as* name, the terminal is reset to its normal name.
- If file commands have been used to specify file associations, these associations are deleted.
- If the queue command has been specified, the status is reset to no-queue.

The message indicates what sign-off option is applied. The message reads:

SIGNED OFF — HOLD TERMINAL if either:

- You have specified /OFF HOLD.
OR
- You have specified /OFF without an option, and your installation's standard sign-off option for your terminal is HOLD.

SIGNED OFF — DROP TERMINAL if either:

- You have specified /OFF DROP.
OR
- You have specified /OFF without an option, and your installation's standard sign-off option for your terminal is DROP.

Recovery: None.

A11   CLEAR

Reason: You pressed CLEAR on the 3270 terminal, clearing the screen to enter commands, or perform a data mode escape.

The system recognizes your action.

If you are not communicating with an application program, you may enter a command. If you are signed on, you may enter a program request. If you are communicating with an application program, you may:
- Enter the data mode escape characters.
- Press ENTER to inform the application program that the screen is cleared.

Recovery: None.

Terminal Operator

A12 CANCELED – PROCEED (Model 15 CCP Only)

Reason: The system operator has canceled your program request from the queue of terminals waiting for resources.

Recovery: None.

A13 RELEASED–SHUTDOWN PENDING

Reason: Same as message 08, but the system operator entered a delayed shutdown command.

Recovery: None.

A14 ENTER/MSG,/RELEASE,OR/RUN SHUTDOWN PENDING

Reason: An operator entered data mode escape after the system operator entered a delayed shutdown command.

Recovery: None.

E01 INVALID SYNTAX

Reason: This message is issued in response to a command or program request. Check for the following format errors:
— The length of the command (or, for Model 4, Model 10, and Model 12 CCP, a program request) is less than two characters, or there is a blank in the second position. (If you are using the Model 15 CCP, a one-character program name is valid.)
— The command is misspelled.
— The command is not separated from the additional information by one or more blanks.

This message is also issued when CLEAR is pressed on a system that does not support the data mode escape feature.

Recovery: Reenter the command or-program request after determining the correct format.

E02 OPERAND MISSING

Reason: This message is issued in response to any command when the command requires additional information after the command word, but you have not entered any additional information.

It is also issued in either of the following cases:
— You enter a sign-on command without a password or other security information required by your installation.
— You enter a message command without any message text.

Recovery: Reenter the command after determining what is missing.

E03 ALREADY SIGNED ON – PROCEED

Reason: This message is issued in response to a sign-on command and indicates that you have already signed on and are permitted to enter commands or program requests.

Recovery: Enter a command or program request to continue your work session.

E04 PASSWORD ERROR

Reason: This message is issued in response to a sign-on command when the password or other security information required by your installation has been entered incorrectly.

Recovery: Perform the following:

1. Determine the correct password or other security information from your operating procedures.

2. Reenter the sign-on command with the correct password/security information.

E05   THAT COMMAND NOT VALID NOW

Reason: This message is issued in response to a queue or no-queue command, which cannot be accepted by CCP because either:
- Your terminal is not signed on.
          OR
- Data mode escape characters are entered, but you have not entered a release command.

Recovery: Reenter the command after one of the following occurs:
- Sign-on command.
- Application program terminates.
- Release command.

E06   MESSAGE TOO LONG

Reason: This message is issued in response to a message command when the text portion of the message exceeds 67 characters with the Model 10 and Model 12, or 63 characters with the Model 4 and Model 15 (or less, if fewer characters are allowed by your installation). CCP rejects the message and does not print it on the system operator's console.

Recovery: Reenter the message command after changing the length of the text to 67 characters or less (Model 10, Model 12) or 63 characters or less (Model 4, Model 15).

E07   THAT COMMAND NOT VALID NOW

Reason: This message is issued in response to the release command. (/RELEASE ends communication with an application program; it must be issued after you enter a data mode escape command.) But since your terminal has not been in communication with an application program, you are free to enter program requests or other commands.

Recovery: Enter another command.

E08   INVALID SIGN OFF OPTION

Reason: This message is issued in response to the sign-off command. You have included additional information which is neither the word HOLD nor the word DROP (which is the only additional information that can be specified).

You may have misspelled the option word.

Recovery: Reenter the command after you determine the error.

E09   NOT SIGNED ON

Reason: This message is issued if you enter the sign-off command when your terminal is not signed on.

If you previously signed off using the HOLD option, you must sign-on again before reentering the sign-off command with the DROP option.

Recovery: None.

E10   THAT COMMAND NOT VALID NOW

Reason: This message is issued if you sign off but:
- Interrupt the application program you are running by entering the data mode escape characters, and
- Do not release the terminal from that program by a release command.

Recovery: If you wish to sign-off immediately, you must:

1. Enter the release command.

2. Reenter the sign-off command.

If you wish to resume communication with the application program you are running:

1. Enter the run command.

2. Sign-off when that program is completed, if you still wish to do so.

E11   INVALID PROGNAME

Reason: This message is issued when you enter a program request, but the specified program name is not the name of a program defined for this CCP system run.

Recovery: Perform one of the following:
- If you misspelled the name, request the program again by its correct name.
          OR
- If you did not misspell the program name, inform your location's data processing personnel that a program required by your operating procedures is not defined to CCP.

E12   INPUT DATA NOT ALLOWED

Reason: This message is issued if you include input data with your program request when the application program does not allow it.

Recovery: Perform the following:

1. Check your operating procedures to ensure that you have entered the correct program name. Reenter the correct program request if necessary.

2. Request the application program again without including input data.

E13   PROGNAME TOO LONG

Reason: This message is issued when you enter a program name that is longer than 6 characters.

Recovery: Perform the following:

1. Determine the correct program name from your operating procedures.

2. Request the application program again.

E14   THAT COMMAND NOT VALID NOW

Reason: This message is issued when you have entered a program request, but:

— Have not signed on the terminal.
— Have interrupted the application program you have been running by entering the data mode escape characters, and have not released your terminal from the program.

This message is also issued if, at either of these times, you enter a command but do not include a slash (/) as the first character of that command. Because the slash is not there, CCP interprets your command as a program request.

This message also occurs if, after entering the data mode escape characters, you do not enter the run command, but you attempt to enter data to the program. Because you are still communicating directly with CCP, your input is interpreted as an attempt to request a program.

Recovery: Perform one of the following:
— If you are not signed on, enter the sign-on command, then your program request.
— If you want to make a program request but have not yet released your terminal from the current program, enter a release command, then the program request.
— If you want to resume communication with the application program, enter the run command, then your data.

E15 ENTER /FILE THEN PROG REQ

Reason: This message is issued when the requested application program requires a filename association, but a file command has not been entered.

Recovery: Perform the following:

1. Check your operating procedures to determine what filenames must be associated.

2. Enter the specified file command.

3. Request the application program again.

E16 THAT COMMAND NOT VALID NOW

Reason: This message is issued if you enter the run command, but are not running an application program. If you had previously entered the data mode escape characters, you may have issued a release command, which ended your communication with the program.

Recovery: If you wish to begin communicating again with a program from which you released, you must enter a program request for that program.

E17 FILE NAME TOO LONG

Reason: This message is issued in response to the file command when either the reference-name or the actual-name specified is longer than eight characters.

Recovery: Perform the following:

1. Check your operating procedures for the correct name.

2. Reenter the file command.

E18 THAT COMMAND NOT VALID NOW

Reason: This message is issued in response to a file command. That command cannot be entered now because:
— You have not signed on, or
— No reference-name to actual-name combinations have been defined to CCP. Therefore, no file command is valid, or
— You have interrupted an application program you were running by entering the data mode escape characters, but have not yet released the terminal from that program.

Recovery: Perform one of the following:
— If you have not signed on, enter a sign-on command, then reenter the file command.
— Check your operating procedures to ensure that a file command is needed. If it is, inform your location's data processing personnel that a reference-name specified by your operating procedures is not defined to CCP.
— If you want to release the terminal from the program you are running, enter a release command, then reenter the file command.

E19 INVALID SYNTAX

Reason: This message is issued in response to an incorrectly entered file command. Check for these possible errors:
— No comma between the reference-name and the actual-name.
— Comma followed the reference-name, but the actual-name is omitted.
— Actual-name followed by a character other than blank.

Recovery: Determine the error and reenter the command.

E20 FILENAME ******* UNKNOWN

Reason: This message is issued in response to the file command either when a specified reference-name is not defined for the CCP system run or when the names are entered in the wrong order. The reference-name that causes the error is given in the message (in place of the asterisks shown above).

Recovery: Perform one of the following:
— Check your operating procedures to ensure that you have entered the correct reference-name. Reenter the correct command with the correct name if necessary.
— If the reference-name you entered is correct, inform your location's data processing personnel that a reference-name specified by your operating procedures is not defined to CCP.

E21 THIS FILE COMBINATION NOT VALID

Reason: This message is issued in response to a file command of the form /FILE reference-name, actual-name, when the two names specified cannot be validly associated.

Recovery: Perform one of the following:
— Check your operating procedures to ensure that you entered the correct combination of names. Reenter the file command with the correct names if necessary.
— If you entered the correct combination of names, inform your location's data processing personnel that the name combination specified in your operating procedures is not defined to CCP.

E22 THAT COMMAND NOT VALID NOW

Reason: This message is issued in response to a name command. That command cannot be entered because either:
— You have not signed on.
OR
— You have interrupted an application program by entering the data mode escape characters, but have not released your terminal from the program.

Recovery: Perform one of the following:
— If you have not signed on, enter a sign-on command, then reenter the name command.
— If you want to release the terminal from a program you were running, enter a release command, then reenter the name command.

E23 NAME TOO LONG

Reason: The specified terminal name in a name command can be up to six characters long. This message is issued in response to the name command when the name entered is longer than six characters.

Recovery: Perform the following:
1. Check your operating procedures to ensure that you have entered the correct name. Reenter the name command with the correct terminal name if necessary.

2. If the terminal name you entered is correct, inform your location's data processing personnel that a terminal name specified by your operating procedures is not valid.

E24 UNKNOWN TERMINAL NAME

Reason: This message is issued in response to the name command when the terminal name entered is not defined for this CCP system run.

Recovery: Perform the following:
1. Check your operating procedures to ensure that you have entered the correct terminal name. Reenter the name command with the correct terminal name if necessary.

2. If the terminal name you entered is correct, inform your location's data processing personnel that a terminal name specified by your operating procedures is not defined to CCP.

E25 UNASSIGNED TERMINAL NAME

Reason: This message is issued in response to the name command when the name you entered is not a valid name for your terminal.

Recovery: Perform the following:
1. Send a message to the system operator and ask that the specific name be assigned to your terminal.

2. Wait for an acknowledgment that the name has been assigned.

3. Reenter the name command.

E26   NAME NOT IN FILE TABLE

Reason: This message is issued in response to a file command of the form */FILE reference-name* requesting that a reference-name association be deleted, but CCP does not have a record of any associations for that reference-name.

Recovery: Perform one of the following·
- -- Check your operating procedures for the correct reference-name. Reenter the file command with the correct name if necessary.
- -- If you have entered the reference-name correctly, you have attempted to delete a file association that does not need to be deleted. Simply continue your terminal session.

E27   INPUT TOO LONG

Reason: This message is issued when the input is longer than is allowed by your installation. Either you have:
- -- Entered a command that is too long

OR

- -- Included data with a program request and the data is too long.

Recovery: Perform one of the following:
- -- Check your operating procedures to ensure that you have entered the correct command or program request. Enter the correct command or program request if necessary.
- -- If the command or program request you entered is correct, inform your installation manager that either an error exists in your procedures or there is insufficient area within CCP to enter a command or program request.

E28   PROG NAME INVALID OR SUPPRESSED [-xxxxxx]

Reason: This message is issued when:
- -- You enter a program request, but the program name specified is not the name of a program defined for the CCP system run.
- -- The program name is suppressed by the system operator during CCP start-up.
- -- The program name entered is longer than six characters.
- -- The program name started with $. Program names beginning with $ can only be requested via the console.
- -- An undefined name was used for a task chain request. In this case, the first six characters of the requested program name are displayed with the message.

Recovery: Perform one of the following:
- -- If you have misspelled the name, request the program again by its correct name.
- -- If you have not misspelled the program name, inform your location's data processing personnel that a program required by your operating procedures either is not defined to the CCP or is suppressed for this run.

E29   NOT SIGNED ON

Reason: This message is issued when a command is entered but the terminal is not signed on.

Recovery: Enter the sign-on command (/ON) with password if necessary. Reenter the command.

E30   SHUTDOWN

Reason: This message is issued when the system operator enters a command to cancel CCP before you enter your last command.

Recovery: None.

E31   DATA EXCESSIVE OR NOT ALLOWED

Reason: This message is issued when:
— You have included input data with your program request, but the application program does not allow input data with the program request.
— You have entered more input data than is allowed by the application program.

Recovery: Perform the following:

1. Check the operating procedures to ensure that you have entered the correct program. Reenter the program request with the correct program name if necessary.

2. If input data is not allowed with the program request, reenter the request without input data.

3. If you have entered too much data, reenter the program request with shortened data.

E32   PRUF INPUT WITH NON-PRUF PROGRAM REQUEST

Reason: You entered a program request under format (PRUF), but the program name specified is not a PRUF program.

Recovery: Perform one of the following:
— If you have misspelled the name, request the program again by its correct name.
— If you have not misspelled the program name, inform your location's data processing personnel that a program required by your operating procedures is not defined correctly to CCP.

E33   PRUF INPUT FOR AN ACTIVE NON-PRUF PROGRAM

Reason: You entered a program request under format (PRUF), but the program name specified is not a PRUF program.

Recovery: Perform one of the following:
— If you have misspelled the name, request the program again by its correct name.
— If you have not misspelled the program name, inform your location's data processing personnel that a program required by your operating procedures is not defined correctly to CCP.

E34   EXECFIND PROGRAM IS INVALID

Reason: You entered a program request for a program defined to CCP as an EXECFIND program, but one of the following errors was detected:
— The program was not found.
— The program was not link-edited at hex 8000.
— The program contains compile errors.
— The program requires more than 32K of main storage to execute.

Recovery: Determine which one or more of the above errors exist, correct the errors, recompile and link-edit the program, and try the program request again.

E35   DFF PAS CANNOT BE FULLY ADDRESSED

Reason: You have entered a request for a DFF program that was specified as EXECFIND, but the DFF program appended storage for the program will exceed three 2K boundaries and cannot be fully addressed.

Recovery:

1. Reduce the values specified for DFFMTERM and/or DFFNDF within the PROGRAM statement at CCP assignment time.

2. Reduce the size of the largest field descriptor table used by this program.

3. Alter the program size so that it ends just past a 2K boundary.

E36   DATA FROM PORT IN ERROR—data

Reason: An error has been detected in a program request, /FILE command, or /MSG command received via a port. The first 77 bytes of data received are displayed in the message and a follow-up message will detail the nature of the error.

Recovery: Refer to the recovery for the follow-up message.

E37 INVALID DATA RECEIVED FROM
PORT—data

Reason: Data other than a program request, /FILE
command, or /MSG command has been received
by CCP via an SIOC port. The first 69 bytes of
data received are displayed in the message.

Recovery: The information listed in the message should
be shown to the programmer responsible for the
applications being run.

E38 NON-COMMAND REQUEST DATA RECEIVED
FROM PORT—data

Reason: The CCP has received data, via a port, that
was not issued via the command request op code.
The first 57 bytes of data received are displayed in
the message.

Recovery: The information listed in the message should
be shown to the programmer responsible for the
applications being run.

R01 COMMANDS SUSPENDED — WAIT

Reason: This message is issued if you enter program
requests or commands when the system operator has
temporarily suspended terminals from requesting CCP
services. CCP sends another message indicating that
you can resume requesting the CCP services.

Recovery: Wait until you receive the R02 COMMANDS
RESUMED — REENTER message.

R02 COMMANDS RESUMED — REENTER

Reason: This message informs you that CCP is again
ready to accept input.

Recovery: Enter a command or program request.

R03 REQUESTED PROG SUSPENDED

Reason: This message is issued when the requested
application program is made temporarily unavailable
by the system operator. (Under Model 4, Model 10,
and Model 12 CCP, this message is issued only if your
terminal is in no-queue status.)

Recovery: Perform one of the following:
— Enter the message command and ask the system
operator to tell you when the application program
is available.
— Request the application program again if instructed
to do so by your operating procedures. (Under
Model 4, Model 10, and Model 12 CCP, enter the
queue command prior to the program request.)
— Do other work and request this program later.

R04 REQUESTED PROG BUSY

Reason: Some application programs can be requested by
more than one terminal. This message is issued when
your terminal is in no-queue status and you request a
program that is currently handling the maximum
number of terminals.

Recovery: Perform one of the following:
— Enter the queue command, and then request the
application program again if instructed to do so
by your operating procedures.
— Request a different program.
— Do other work and request this program later.

R05 PROG NO LONGER AVAILABLE

Reason: This message is issued when you request a never-
ending, single requesting terminal (SRT) program that
is already requested by another terminal. (See *CCP
Programmer's Reference Manual,* GC21-7579, and
Model 4 CCP Programmer's Reference Manual,
GC21-5150, for information about program types.)

Recovery: Perform one of the following:
— Request another program.
— Sign off.
— (Model 15 CCP) ask the system operator (/MSG) to
cancel the never-ending program so that you can
request it.

Terminal Operator

R06   SYSTEM BUSY — RETRY OR/Q

Reason: This message is issued when:
- Your terminal is in no-queue status and the resources for the requested application program are not immediately available.
- The system operator is temporarily preventing any programs from being started.
- The maximum number of application programs are already executing under CCP.

Recovery: Perform one of the following:
- Request the program again.
- Enter the queue command and then request the program again.
- Do other work.

R07   SYSTEM ERROR — RETRY

Reason: This message is issued when CCP attempts to start the requested application program and a hardware error occurs. The system operator is also informed of the hardware error.

Recovery: Perform the following:

1. Request the program again.

2. If the error reoccurs, inform your location's data processing personnel of the problem.

R08   REQUESTED PROG UNAVAILABLE

Reason: This message is issued because the system operator is preventing the use of the requested program for the entire CCP system run.

Recovery: Perform one of the following:
- Request another program.
- Contact the system operator for an explanation.
- Sign off.

R09   UNIT RECORD DEVICE UNAVAILABLE

Reason: This message is issued because the requested program requires a unit record device to print, read, or punch cards, and the device is not available. This message can occur even when your terminal is in queue status.

Recovery: Perform one of the following:
- Send a message to ths system operator asking when the device will be available.
- Request the program again when the device is available.
- Request another program.
- Sign off.

R10   LOGICAL TERMINAL UNAVAILABLE

Reason: This message is issued because the requested program requires use of a terminal, but that terminal does not have the necessary name currently assigned.

Recovery: Perform the following:

1. Send a message to the system operator. Give the name of the requested program, and ask the operator to assign a name to any terminal that that program requires.

2. Reenter the program request.

R11   DISK FILE NO LONGER AVAILABLE

Reason: This message is issued because the requested program requires a disk file that is not available during the remainder of the CCP system run.

Recovery: Perform one of the following:
- Request a different program.
- Contact the system operator for an explanation.
- Sign off.

R12   DISK FILE NO LONGER AVAILABLE

Reason: This message is issued when you request a program that requires a disk file that is already being used exclusively by another program for the remainder of this CCP system run. The disk file is not available to your program; therefore, you cannot use the requested program.

Recovery: Perform one of the following:
- Request a different program.
- Contact the system operator for an explanation.
- Sign off.

R13   CORE UNAVAILABLE

Models 4, 10, and 12:

Reason: This message is issued if the requested program requires more main storage than is available during the remainder of the CCP system run.

Model 15:

The requested program requires more main storage than is probably available during the remainder of the CCP run. However, it is possible for the required main storage to become available if the never-ending program terminates.

Recovery: Perform one of the following:
— Request another program.
— Contact the system operator for an explanation.
— Sign off.

R14   CORE TEMP UNAVAILABLE

Reason: This message is issued when your terminal is in no-queue status and the main storage required by the requested program is temporarily unavailable. This message can also occur if a NEP is requested at any time other than immediately after startup. NEP programs must be allocated on boundary main storage addresses.

Recovery: Perform one of the following:
— Enter the queue command, and then request the program again if instructed to do so by your operating procedures.
— Request the program later.

R15   REQUIRED TERMINAL UNAVAILABLE

Reason: This message is issued when the requested program requires use of a terminal that is not available. Your terminal's status determines the exact reason:
— Queue status indicates that the required terminal may not be available for the remainder of the CCP system run.
— No-queue status indicates that the required terminal is unavailable, either temporarily or for the remainder of the CCP system run.
— The required terminal may be a command terminal that is signed on and performing work. Since the system cannot know when that terminal signs off, it considers that terminal unavailable for the remainder of the CCP run.

Recovery: Perform one of the following:
— If your terminal is in queue status, request another program or sign off.
— If your terminal is in no-queue status, enter the queue command and reenter the program request if you are willing to wait for the program to start. If that terminal is unavailable for the remainder of the CCP system run, the message is again issued in response to your program request, and you will not be able to run the program. If that terminal is only temporarily unavailable, CCP accepts the program request and causes your terminal to wait until that program is started.

R16 DISK FILE TEMP UNAVAILABLE

Reason: This message is issued when the requested program requires a disk file that is unavailable:
- If your terminal is in no-queue status, the disk file unavailability may be temporary, in which case the program request can be queued.
- If your terminal is in queue status, the disk file unavailability is not considered temporary because either the file is being used by a program in the non-CCP partition or a CCP never-ending program is using the file.

Recovery: Perform one of the following:
- If your terminal is in queue status, you can request another program, sign off, or send a message to the system operator asking when or whether the file will be available.
- If your terminal is in no-queue status and you are willing to wait for the program to start, enter the queue command and reenter the program request. If the file is only temporarily unavailable, CCP accepts the program request and causes your terminal to wait until that program is started.

If the file unavailability is not considered to be temporary, the message is again issued in response to the program request and one of the above recoveries for terminal-in-queue status must be taken.

R17 FILE TABLE FULL

Reason: CCP maintains a table that contains reference-name to actual-name associations for disk files. This message is issued in response to a file command of the form /FILE reference-name, actual-name when the file table is full and CCP cannot accept new associations. The file table is shared by the operators of all command terminals. It may be full because a large number of associations have been entered by you and other operators.

Recovery: Perform one of the following:
- Clear the unneeded reference-name association by entering a file command of the form /FILE reference-name. Then reenter your previous file command.
- Clear all of your reference-name to actual-name associations by entering a file command of the form /FILE blank. Then reenter your previous file command.
- Send a message to the system operator indicating that you are encountering a FILE TABLE FULL condition. The system operator may be able to cancel some name associations or ask other terminal operators to do so.
- Retry the command later.

R18 EXCLUSIVE USE NO LONGER AVAILABLE

Reason: This message is issued when you request a program that requires exclusive use of the system (dedicated program); however, a never-ending program is currently running, preventing the requested program from running.

Recovery: Perform one of the following:
- Request a different program.
- Enter a command.
- Sign off.

R19 REQUIRED TERMINAL IN USE

Reason: This message is issued when the requested program requires use of a command-capable terminal that is currently signed on (or signing on) to enter commands.

Recovery: Perform the following:

1. Try to request the program again.

2. Ask the system operator if the terminal is likely to be signed on for a long time. If so, perhaps the system operator can assign that terminal's name to another terminal so the requested program can run.

R20 REQUESTED PROG IN I/O WAIT STATE

Reason: This message is issued when the following occurs:
- Your terminal is in no queue status (/NOQ).
- You are requesting a program that supports multiple requesting terminals.
- The program is requested by another terminal and is awaiting allocation of a temporarily unavailable disk file or terminal.

Recovery: If instructed by your operating procedures, or if you are willing to wait for the program, enter a queue command and reenter the program request.

R21 SYSTEM TEMPORARILY BUSY

Reason: This message is issued when CCP is presently handling the maximum number of tasks.

Recovery: Perform one of the following:
- Try to request the program again.
- Enter the queue command and reenter the program request if instructed to do so by your operating procedures.
- Reenter the program request later.

R23   REQUIRED TERM PERM ALLOCATED

Reason: This message is issued when the requested program requires a terminal that is currently allocated to a *never-ending program.* (A never-ending program is the type of application program that, once requested, is not expected to end until CCP is shut down.

Recovery: Perform one of the following:
- Send a message to the system operator. Give the name of the requested program and describe your problem. The system operator may be able to assign the required terminal's name to a terminal that is not currently busy.
- Request another program and enter this program request later, or sign off.

R24   SWITCHED LINE NOT AVAILABLE

Reason: The requested program uses a terminal which is on a switched line that is currently in use by another program or being held by another program.

Recovery: Perform one of the following:
- Send a message to the system operator describing your problem. The system operator may be able to make the switched line available to you or assign the required terminal name to a terninal on another line that is available.
- Request another program and enter this program request later, or sign off.

R25   TERM NOT IMMEDIATELY AVAILABLE

Reason: This message is issued when your terminal is in no-queue status and you request a program that needs a terminal that is currently in use by another program.

Recovery: Perform one of the following:
- Try to request the program again.
- Enter the queue command, and request the program again if instructed to do so by your operating procedures.
- Request another program and enter this program request later, or sign off.

R26   DISK FILE ACCESS NOT ALLOWED

Reason: This message is issued when the requested program accesses a disk file in a way that is not valid because of other processing requirements for this file during this CCP run.

Recovery: Send a message to the system operator, giving the name of the requested program. You may perform other work at your terminal or sign off.

R27   TERMINAL NOT AVAILABLE

Reason: This message is issued when the requested program requires use of a terminal that is currently unavailable because:

- It has been placed offline by the system operator.

- Online test is in process.

- The terminal is in the process of error recovery.

- The terminal is a command terminal that is currently signed on.

- The terminal is currently active with CCP in some other way:
  - It is being acquired or released by an application program.
  - It is being placed online or offline by the system operator.
  - It is in the process of signing on or signing off.

Recovery: Perform one of the following:
- Try again.
- Send a message to the system operator describing your problem. The system operator may be able to inform you that the condition is likely to be temporary and that this program request can soon be accepted.

R28   FILE SHARE CONFLICT (Model 15 CCP only)

Reason: This message is issued when the requested program requires an update or add file that is currently unavailable because the other partition is updating the file, or because CCP does not have an available file share queue element (FSQE). An FSQE is used to control file sharing within the CCP partition. The number of FSQEs generated is a CCP assignment option.

Recovery: Try again.

Terminal Operator

R29   REQUIRED DISK FILE PERMANENTLY ALLOCATED (Model 15 CCP only)

Reason: This message is issued when the requested program requires a disk file that cannot be shared and is allocated to a never-ending program. A never-ending program is one that, once requested, is not expected to end until CCP is shut down.

Recovery: Perform one of the following:
- Send a message to the system operator asking when or whether the disk file will be available.
- Request another program, try this program request later on, or sign off.

R30   CHAIN TASK REQUIRES SYMFILE (Model 15 CCP only, Program Number 5704-SC2)

Reason: A CCP task has issued a task chain operation to a CCP user program which required SYMFILE resolution to run. This is not allowed.

Recovery: Inform your location's data processing personnel of the error.

R31   REQUIRED PORT IS NOT AVAILABLE (Model 15 CCP only, Program Number 5704-SC2)

Reason: A requested program requires the use of an SIOC port that is not currently available. The required port may be in use by another program, or SHUTDOWN may have been requested, in which case ports can no longer be used.

Recovery: If a SHUTDOWN has not been scheduled, you may try the program request again later. There is no recovery if SHUTDOWN has been requested.

S01   PROG REL – PROCEED

Reason: This message is issued when an application program releases its control of your terminal. An end message may be given by the application program.

Recovery: Perform one of the following:
- Enter a command or program request.
- Sign off.

S02   PROG REL – SHUTDOWN

Reason: This message is issued when an application program releases its control of your terminal because the CCP is in the process of shutting down. The application program may give an end message. You are not allowed to enter commands or program requests.

Recovery: None.

S03   PROG END – PROCEED

Reason: This message is issued when the requested application program has completed processing and is giving you an end message. If the application program does not give an end message, this message is not given. Your terminal is no longer under the control of the application program.

Recovery: Perform one of the following:
- Enter a command or program request.
- Sign off.

S04 SHUTDOWN

Reason: This message indicates that the CCP is shutting down. No further commands or program requests can be entered.

Recovery: None.

S05 PROG END – SHUTDOWN

Reason: This message is issued when the requested application program has completed processing and is giving you an end message. If the application program does not give an end message, this message is not given. It also indicates that the CCP is shutting down and no longer accepts commands or program requests from your terminal.

Recovery: None.

S06 PROG CANCELED – SHUTDOWN

Reason: This message is issued when CCP ends communication with the application program you were currently using because of an error in that program. It also indicates that the CCP is shutting down and no longer accepts commands or program requests from your terminal. The system operator is informed of the program error by CCP.

Recovery: None.

S07 NOW ONLINE – NAMED ******

Reason: This message is issued when the system operator changes your terminal's status from offline to online. The message includes the current name of your terminal. You may enter the sign-on command to begin a terminal session.

Recovery: None.

S08 NOW OFFLINE

Reason: This message is issued when the system operator changes your terminal's status from online to offline. If your terminal is connected to the computer by switched lines, the line is disconnected. Your terminal is considered unavailable, meaning that commands are not accepted by CCP. You can dial the system operator to have your terminal made ready to accept the sign-on command again.

Recovery: None.

S09 PROG CANCELED – PROCEED

Reason: This message is issued when the system operator cancels your program or the application program is abnormally ended.

Recovery: It is recommended that you contact your supervisor to determine what procedure to follow.

S10

Reason: This message is sent to your terminal by the system operator. The message text consists of the information the system operator has sent to you.

The system operator may direct you to perform some action, or he may ask you a question or respond to your question.

Recovery: None.

S11 INPUT IGNORED – PROCEED

Reason: The system is not acting on the information you last sent from your terminal because it is attempting to send a message to your terminal.

One of the following has occurred:
— A program you are communicating with is canceled while you are sending data to it.
— You are entering the data mode escape characters while communicating with a program, and that program is canceled before you can either resume communication with the program or release your terminal from it.

Recovery: Enter a command or program request or sign off.

S12 TP ERROR ON INPUT

Reason: This message is issued when an error occurs in the transmission of the information last sent from your terminal. CCP informs the system operator of the error, and the system operator causes the system to try to read from your terminal again.

Recovery: Reenter the command or program request.

S13 INPUT IGNORED

Reason: The system is not acting on the information last sent from your terminal, because it is attempting to send a message to your terminal. One of the following has occurred:
— The system operator placed your terminal offline while you were entering a message to the system.
— A program was canceled while you were sending data to it.
— You entered the data mode escape characters while communicating with a program, and that program was canceled before you could either resume communication with the program or release your terminal from it.

Recovery: Your terminal is offline and cannot communicate with CCP.

S14 SHUTDOWN PENDING

Reason: The system operator requested a delayed shutdown. Shutdown will proceed after a delay of 1-99 minutes.

Recovery: None.

S15 PROG REL – SHUTDOWN PENDING

Reason: An application program released its control of your terminal after a delayed shutdown was requested.

Recovery: None.

S16 PROG END – SHUTDOWN PENDING

Reason: An application program terminated normally after a delayed shutdown was requested.

Recovery: None.

S17 PROG CANCELED – SHUTDOWN PENDING

Reason: An application program was canceled due to a program error after a delayed shutdown was requested.

Recovery: None.

UQ SP BF ENTER RECOVERY OPTION 0123 ERROR IN SPOOL FILE QUEUES

Reason: An error was found in the spool file queue pointers of an inactive spool file. The probable cause of the problem was a disk error, a power failure, or an IPL during system processing.

Recovery: Select one of the following options:
0 — Disconnect the current function and read the next control statement.
1 — Continue. The spool file is used as it exists.
2 — Controlled cancel.
3 — Immediate cancel.

CAUTION
This can be a serious condition. Attempt to print and/or punch all the data on the queues before putting more jobs on the queue. The print and/or punch can be partially or totally unsuccessful due to the severity of the condition. The 1 option is not allowed if an attempt is being made to place jobs on the reader queue.

UQ SP CS ENTER CONTROL STATEMENT

Reason: The spool file copy program is requesting a control statement to be entered from the keyboard.

UQ SP CX CONTROL STATEMENT ERROR INVALID STATEMENT CONTINUATION

Reason: Invalid control statement continuation (only the COPYRDRQ, COPYPRTQ, COPYPCHQ, COPYQ, RESTORE, CLASSIFY, and DISPLAY statements can be continued).

Recovery: Reenter the control statement.

UQ SP DE ENTER RECOVERY OPTION 23 SPOOL FILE DISK ERROR

Reason: A disk error occurred when reading or writing the spool file.

Recovery: Select one of the following options:
2 — Controlled cancel.
3 — Immediate cancel.

CAUTION
This is a serious condition. If the error occurred on the active spool file, see message SP UT CH (*IBM System/3 Model 15 System Messages*, GC21-5076) for possible exposure.

UQ SP DK CONTROL STATEMENT ERROR DUPLICATE KEYWORD

Reason: A duplicate keyword was found in a control statement.

Recovery: Reenter the control statement.

UQ SP DM ENTER RECOVERY OPTION 0 23 xxxxxx INVALID R-MODULE

Reason: The R-module named in the message text is invalid.

Recovery: Select one of the following options:
0—Discontinue the current function and read the next control statement.
2—Controlled cancel.
3—Immediate cancel.

UQ SP EC CONTROL STATEMENT ERROR MORE THAN 254 STATEMENTS IN FILE

Reason: More than 254 control statement records were found in the CONTROL file.

Recovery: Enter control statements from the terminal.

Terminal Operator

UQ SP EX ENTER RECOVERY OPTION 0 23
           END OF FILE EXTENTS

   Reason: End of extents was reached when outputting
     to the PRINTQ, PUNCHQ, READERQ, or DISPLAYQ file.

   Recovery: Select one of the following options:
     0 — Discontinue the current function and read the
         next control statement.
     2 — Controlled cancel.
     3 — Immediate cancel.

UQ SP FA ENTER RECOVERY OPTION 0 23
           INVALID FILE TYPE/ACCESS

   Reason: A file is being referenced with an access
     method that is incompatible with the file type.

   Recovery: Select one of the following options:
     0—Discontinue the current function and read the
        next control statement.
     2—Controlled cancel.
     3—Immediate cancel.

UQ SP FC CONTROL STATEMENT ERROR

   Reason: The parameter specified in the FORMSNO or
     CARDNO keyword is invalid.

   Recovery: Reenter the control statement.

UQ SP FE ENTER RECOVERY OPTION 0 23
           JOBSTEP NOT FOUND IN FILE

   Reason: The jobstep specified cannot be found in the
     RESTORE file.

   Recovery: Select one of the following options:
     0—Discontinue the current function and read the
        next control statement.
     2—Controlled cancel.
     3—Immediate cancel.

UQ SP FF ENTER RECOVERY OPTION 0123
           SPOOL FILE FULL

   Reason: The spool file is full.

   Recovery: Select one of the following options:
     0 — Discontinue the current function and read the
         next control statement.
     1 — Retry the operation. If the condition still exists,
         the message will be reissued. See message
         SP UT FF (*IBM System/3 Model 15 System
         Messages*, GC21-5076) for recovery techniques
         if the message is issued for the active spool file.
     2 — Controlled cancel.
     3 — Immediate cancel.

UQ SP FL CONTROL STATEMENT ERROR
           INVALID FILE PARAMETER

   Reason: The parameter specified in the FILE keyword
     is invalid.

   Recovery: Reenter the control statement.

UQ SP FR ENTER RECOVERY OPTION 0 23
           INVALID FILE RECORD LENGTH

   Reason: An invalid record length was found in the
     RESTORE, READERQ, or CONTROL file.

   Recovery: Select one of the following options:
     0 — Discontinue the current function and read the
         next control statement.
     2 — Controlled cancel.
     3 — Immediate cancel.

UQ SP HD CONTROL STATEMENT ERROR
           INVALID HEADER PARAMETER

   Reason: The parameter specified on the HEADER
     keyword is invalid.

   Recovery: Reenter the control statement.

UQ SP HP   ENTER RECOVERY OPTION 0123
HIGH PRIORITY LIMIT IS X

Reason: An attempt was made to place a job with a priority higher than the limit specified by the system operator on the active spool file reader queue.

Recovery: Select one of the following options:
- 0 — Discontinue the current function and read the next control statement.
- 1 — Continue. The job will be placed on the queue with the priority indicated in the message.
- 2 — Controlled cancel.
- 3 — Immediate cancel.

UQ SP IC   CONTROL STATEMENT ERROR
INVALID PARAMETER COMBINATION

Reason: An invalid combination of keyword/parameters is given.

Recovery: Reenter the control statement.

UQ SP ID   ENTER RECOVERY OPTION 0 23
INVALID INPUT FILE DEVICE

Reason: The CONTROL file, the READERQ file, or the RESTORE file is not a disk file.

Recovery: Select one of the following options:
- 0 — Discontinue the current function and read the next control statement.
- 2 — Controlled cancel.
- 3 — Immediate cancel.

UQ SP IF   ENTER RECOVERY OPTION 0 23
INVALID SPOOL FILE FOUND

Reason: An invalid spool file was found on the requested unit.

Recovery: Select one of the following options:
- 0 — Discontinue the current function and read the next control statement.
- 2 — Controlled cancel.
- 3 — Immediate cancel.

UQ SP IK   CONTROL STATEMENT ERROR
INVALID KEYWORD

Reason: An invalid keyword was found in a control statement.

Recovery: Reenter the control statement.

UQ SP IN   CONTROL STATEMENT ERROR
INVALID INPUT PARAMETER

Reason: The parameter given in the INPUT keyword is invalid. The parameter must be FILE or TERMINAL.

Recovery: Reenter the control statement.

UQ SP IV   CONTROL STATEMENT ERROR
INVALID STATEMENT

Reason: Invalid statement identifier.

Recovery: Reenter the control statement.

UQ SP JS   CONTROL STATEMENT ERROR
INVALID/MISSING JOBN/STEPN
PARAMETER

Reason: The parameter specified on the JOBN or STEPN keyword is invalid or a STEPN parameter is given without a JOBN parameter.

Recovery: Reenter the control statement.

UQ SP KY   CONTROL STATEMENT ERROR
INVALID KEY/LOKEY/HIKEY
PARAMETER

Reason: The parameter given in either the KEY, LOKEY, or HIKEY keyword is invalid.

Recovery: Reenter the control statement.

UQ SP LN   CONTROL STATEMENT ERROR
INVALID LENGTH PARAMETER

Reason: The parameter given on the LENGTH keyword is invalid. The parameter must be VLR or FLR.

Recovery: Reenter the control statement.

UQ SP MM   ENTER RECOVERY OPTION 0 23
$QCxxx MODULE NOT FOUND

Reason: The $QCOPY module named in the message text cannot be found on the program pack.

Recovery: Select one of the following options:
- 0—Discontinue the current function and read the next control statement.
- 2—Controlled cancel.
- 3—Immediate cancel.

Terminal Operator

UQ SP NA ENTER RECOVERY OPTION 0123
SPOOL FILE NOT AVAILABLE

Reason: The spool file on the requested unit is not
available because:
— The unit is used by a program in another partition
or CCP subtask.
— The unit is being used by the spool file program in
another partition, or CCP subtask, or by spool
support in the supervisor and full interval timer
support is not present on the system to allow
free-up time for the spool file.

Recovery: Select one of the following options:
0 — Discontinue the current function and read the
next control statement.
1 — Retry the operation. If the condition still exists,
the message will be reissued.
2 — Controlled cancel.
3 — Immediate cancel.

UQ SP NF ENTER RECOVERY OPTION 0 23
SPOOL FILE NOT FOUND

Reason: The spool file was not found on the requested
unit.

Recovery: Select one of the following options:
0 — Discontinue the current function and read the
next control statement.
2 — Controlled cancel.
3 — Immediate cancel.

UQ SP NH ENTER RECOVERY OPTION 0123
NO HEADER RECORD FOR JOBSTEP

Reason: Print or punch records are being copied from
the RESTORE file to the spool file and a jobstep
was found that does not have a header record.

Recovery: Select one of the following options:
0—Discontinue the current function and read the
next control statement.
1—Bypass this jobstep in the file and continue with
the following jobstep.
2—Controlled cancel.
3—Immediate cancel.

UQ SP OD ENTER RECOVERY OPTION 0 23
INVALID OUTPUT FILE DEVICE

Reason: The PRINTQ, PUNCHQ, READERQ, or
DISPLAYQ f''e is not a disk file.

Recovery: Select one of the following options:
0 — Discontinue the current function and read the
next control statement.
2 — Controlled cancel.
3 — Immediate cancel.

UQ SP OT CONTROL STATEMENT ERROR
INVALID OUTPUT PARAMETER

Reason: The parameter specified in the OUTPUT key-
word is invalid.

Recovery: Reenter the control statement.

UQ SP PN CONTROL STATEMENT ERROR
INVALID PARTITION PARAMETER

Reason: The parameter specified in the PARTITION
keyword is invalid.

Recovery: Reenter the control statement.

UQ SP PS ENTER RECOVERY OPTION 0 23
PROGRAM AREA TOO SMALL

Reason: The function to be performed requires more
program area than is available.

Recovery: Select one of the following options:
0—Discontinue the current function and read the
next control statement.
2—Controlled cancel.
3—Immediate cancel.

UQ SP PY CONTROL STATEMENT ERROR
INVALID PRIORITY PARAMETER

Reason: The parameter specified in the PRIORITY
keyword is invalid.

Recovery: Reenter the control statement.

UQ SP QE ENTER RECOVERY OPTION 0123 JOBSTEP NOT FOUND ON QUEUE

Reason: The print or punch queue from which jobsteps are to be copied is empty, or a jobstep meeting the given specifications could not be found.

Recovery: Select one of the following options:
0 — Discontinue the current function and read the next control statement.
1 — Retry the operation. If the condition still exists, the message will be reissued.
2 — Controlled cancel.
3 — Immediate cancel.

UQ SP QU CONTROL STATEMENT ERROR INVALID/MISSING Q PARAMETER

Reason: An invalid parameter was specified in the Q keyword. The parameter must be RQ, PQ, or WQ.

Recovery: Reenter the control statement.

UQ SP RE CONTROL STATEMENT ERROR INVALID REMOVE PARAMETER

Reason: The parameter specified on the REMOVE keyword is invalid.

Recovery: Reenter the control statement.

UQ SP RL CONTROL STATEMENT ERROR INVALID/MISSING RECL PARAMETER

Reason: The RECL parameter either is not specified or is incorrectly specified. The parameter must be specified when either the spool is not active or the spool reader is not supported. The parameter must be a nonzero decimal number of not more than three digits and not greater than 128.

Recovery: Reenter the control statement.

UQ SP RN CONTROL STATEMENT ERROR INVALID LOREC/HIREC PARAMETER

Reason: The parameter specified in either the LOREC or the HIREC keyword is invalid.

Recovery: Reenter the control statement.

UQ SP RQ ENTER RDRQ DATA

Reason: The spool file copy program is requesting that jobstream records be entered via the keyboard to be placed on the spool reader queue.

UQ SP SE CONTROL STATEMENT ERROR SYNTAX ERROR

Reason: Format or punctuation error in a control statement.

Recovery: Reenter the control statement.

UQ SP SN ENTER RECOVERY OPTION 0123 SPOOL-NO SPECIFIED ON JOB STATEMENT

Reason: A SPOOL-NO job is being placed on the reader queue.

Recovery: Select one of the following options:
0 — Discontinue the current function and read the next control statement.
1 — Ignore this job and continue with the following one.
2 — Controlled cancel.
3 — Immediate cancel.

UQ SP ST   CONTROL STATEMENT ERROR
                    INVALID STOP PARAMETER

Reason: The parameter specified in the STOP
keyword is invalid.

Recovery: Reenter the control statement.

UQ SP UN   CONTROL STATEMENT ERROR
                    INVALID/MISSING UNIT PARAMETER

Reason: The UNIT keyword is in error for one of the
following reasons:
- — An invalid unit code was given.
- — The unit specified is not supported on the system.
- — A unit keyword was not specified and spool is not
active.

Recovery: Reenter the control statement.

UQ SP 54   ENTER RECOVERY OPTION 0 23

Reason: A continuation statement is being processed
when reading from the CONTROL file and end of
file is detected.

Recovery: Select one of the following options:
- 0 — Discontinue the current function and read the
next control statement.
- 2 — Controlled cancel.
- 3 — Immediate cancel.

This appendix lists the CCP message IDs and specifies the module that contains each message and the module that issues each message. The messages are listed as follows.

- CCP generation messages

- Assignment build messages

- Assignment list messages

- User security routine messages

- Display format generator messages

- Display format test routine messages

- Printer format generator messages

- Startup messages

- System operator messages

- Terminal operator messages

- CCP dump messages

- Installation verification program (CCPIVP) messages

Messages are arranged alphamerically by message ID within each group.

CCP GENERATION MESSAGES

Message ID	Contained In	Issued By
CC005	$EIOD	$EIOD
CC010	$EIOD	$EIOD
CC015	$EIOD	$EIOD
CC020	$EIOD	$EIOD
CC025	$EIOD	$EIOD
CC026	$EIOD	$EIOD
CC050	$EFAC	$EFAC
CC053	$EFAC	$EFAC
CC055	$EFAC	$EFAC
CC060	$EFAC	$EFAC
CC065	$EFAC	$EFAC
CC067	$EFAC	$EFAC
CC075	$EFAC	$EFAC
CC080	$EFAC	$EFAC
CC085	$EFAC	$EFAC
CC086	$EFAC	$EFAC
CC087	$EFAC	$EFAC
CC090	$EFAC	$EFAC
CC091	$EFAC	$EFAC
CC092	$EFAC	$EFAC
CC093	$EFAC	$EFAC
CC094	$EFAC	$EFAC
CC095	$EFAC	$EFAC
CC096	$EFAC	$EFAC
CC097	$EFAC	$EFAC
CC098	$EFAC	$EFAC

CCP GENERATION MESSAGES (continued)

Message ID	Contained In	Issued By
CC099	$EFAC	$EFAC
CC100	$EPLG	$EPLG
CC105	$EPLG	$EPLG
CC110	$EPLG	$EPLG
CC115	$EPLG	$EPLG
CC120	$EPLG	$EPLG
CC125	$EPLG	$EPLG
CC150	$ESEC	$ESEC
CC155	$ESEC	$ESEC
CC160	$ESEC	$ESEC
CC165	$ESEC	$ESEC
CC170	$ESEC	$ESEC
CC200	$EFIL	$EFIL
CC205	$EFIL	$EFIL
CC210	$EFIL	$EFIL
CC215	$EFIL	$EFIL
CC220	$EFIL	$EFIL
CC225	$EFIL	$EFIL
CC230	$EFIL	$EFIL
CC240	$EFIL	$EFIL
CC242	$EFIL	$EFIL
CC244	$EFIL	$EFIL
CC246	$EFIL	$EFIL
CC248	$EFIL	$EFIL
CC250	$EMLA	$EMLA

CCP GENERATION MESSAGES (continued)

Message ID	Contained In	Issued By
CC255	$EMLA	$EMLA
CC260	$EMLA	$EMLA
CC265	$EMLA	$EMLA
CC270	$EMLA	$EMLA
CC300	$EMLD	$EMLD
CC305	$EMLD	$EMLD
CC310	$EMLD	$EMLD
CC315	$EMLD	$EMLD
CC320	$EMLD	$EMLD
CC325	$EMLD	$EMLD
CC330	$EMLD	$EMLD
CC400	$EBSC	$EBSC
CC405	$EBSC	$EBSC
CC410	$EBSC	$EBSC
CC415	$EBSC	$EBSC
CC417	$EBSC	$EBSC
CC419	$EBSC	$EBSC
CC420	$EBSC	$EBSC
CC425	$EBSC $ECSC	$EBSC $ECSC
CC430	$EBSC	$EBSC
CC435	$EBSC $ECSC	$EBSC $ECSC
CC440	$EBSC	$EBSC
CC445	$EBSC $ECSC	$EBSC $ECSC
CC450	$EBSC $ECSC	$EBSC $ECSC

CCP GENERATION MESSAGES (continued)

Message ID	Contained In	Issued By
CC455	$EBSC $ECSC	$EBSC $ECSC
CC460	$EBSC $ECSC	$EBSC $ECSC
CC465	$EBSC $ECSC	$EBSC $ECSC
CC470	$EBSC	$EBSC
CC472	$EBSC	$EBSC
CC480	$EBSC $ECSC	$EBSC $ECSC
CC481	$EBSC $ECSC	$EBSC $ECSC
CC482	$EBSC	$EBSC
CC485	$EBSC	$EBSC
CC487	$EBSC	$EBSC
CC490	$EBSC $ECSC	$EBSC $ECSC
CC492	$EBSC $ECSC	$EBSC $ECSC
CC500	$EBSD	$EBSD
CC505	$EBSD	$EBSD
CC510	$EBSD $ECSD	$EBSD $ECSD
CC515	$EBSD	$EBSD
CC520	$EBSD	$EBSD
CC525	$EBSD	$EBSD

CCP GENERATION MESSAGES (continued)

Message ID	Contained In	Issued By
CC530	$ECSC	$ECSC
CC531	$ECSC	$ECSC
CC532	$ECSC	$ECSC
CC534	$ECSC	$ECSC
CC536	$ECSC	$ECSC
CC537	$ECSC	$ECSC $EBSC
CC538	$ECSC	$ECSC
CC539	$ECSC	$ECSC
CC540	$ECSC	$ECSC
CC542	$ECSD	$ECSD
CC543	$ECSC	$ECSC
CC544	$ECSD	$ECSD
CC546	$ECSD	$ECSD
CC600	$EBSD	$EBSD
CC605	$EGEN	$EGEN
CC610	$EGEN	$EGEN
CC615	$EGEN	$EGEN
CC620	$EGEN	$EGEN
CC625	$EGEN	$EGEN
CC630	$EGEN	$EGEN
CC635	$EGEN	$EGEN
CC637	$EGEN	$EGEN
CC640	$EGEN	$EGEN
CC645	$EGEN	$EGEN

CCP GENERATION MESSAGES (continued)

Message ID	Contained In	Issued By
CC650	$EGEN	$EGEN
CC655	$EGEN	$EGEN
CC660	$EGEN	$EGEN
CC665	$EGEN	$EGEN
CC670	$EGEN	$EGEN
CC675	$EGEN	$EGEN
CC680	$EGEN	$EGEN
CC700	$EGEN	$EGEN
CC705	$EGEN	$EGEN
CC706	$EGEN	$EGEN
CC710	$EGEN	$EGEN
CC715	$EGEN	$EGEN
CC716	$EGEN	$EGEN
CC720	$EGEN	$EGEN
CC725	$EGEN	$EGEN
CC730	$EGEN	$EGEN
CC735	$EGEN	$EGEN
CC740	$EGEN	$EGEN
CC745	$EGEN	$EGEN
CC750	$EGEN	$EGEN
CC755	$EFAC	$EFAC
CC760	$EFAC	$EFAC
CC765	$EFAC	$EFAC
CC770	$EFAC	$EFAC
CC901	$CC1PP	$CC1PP

CCP GENERATION MESSAGES (Continued)

Message ID	Contained In	Issued By
CC902	$CC1PP	$CC1PP
CC903	$CC1PP	$CC1PP
CC904	$CC1PP	$CC1PP
CC905	$CC1PP	$CC1PP
CC906	$CC1PP	$CC1PP
CC907	$CC1PP	$CC1PP
CC909	$CC1PP	$CC1PP
CC990	$CC1PP	$CC1PP
CC991	$CC1PP	$CC1PP

ASSIGNMENT BUILD MESSAGES

Message ID	Contained In	Issued By
CA002	$CC2E1	$CC2SS
CA003	$CC2E1	$CC2SS
CA004	$CC2E1	$CC2SS
CA005	$CC2E1	$CC2SS
CA006	$CC2E1	$CC2SS
CA007	$CC2E1	$CC2SS
CA008	$CC2E1	$CC2SS
CA009	$CC2E1	$CC2SS
CA011	$CC2E1	$CC2SS
CA012	$CC2E1	$CC2SS
CA013	$CC2E1	$CC2SS
CA014	$CC2E1	$CC2SS

ASSIGNMENT BUILD MESSAGES (Continued)

Message ID	Contained In	Issued By
CA015	$CC2E2	$CC2SS
CA020	$CC2E2	$CCPAS
CA025	$CC2E2	$CC2SS
	$CC2E2	$CC2SY
CA026	$CC2E2	$CCPAS
CA027	$CC2E2	$CC2SS
CA028	$CC2E2	$CC2BT
	$CC2E2	$CC2MT
	$CC2E2	$CC2TN
	$CC2E2	$CC2DF
	$CC2E2	$CC2PG
CA029	$CC2E2	$CC2SS
	$CC2E2	$CC2PG
CA031	$CC2E2	$CC2HK
CA032	$CC2E2	$CC2HK
CA033	$CC2E2	$CC2BT
	$CC2E2	$CC2MT
CA040	$CC2E2	$CCPAS
CA041	$CC2E3	$CCPAS
	$CC2E3	$CC2DF
CA042	$CC2E3	$CC2PG
CA043	$CC2E3	$CCPAS
CA044	$CC2E3	$CCPAS
CA045	$CC2E3	$CCPAS
CA046	$CC2E3	$CCPAS

Messages Cross-Reference

Message ID	Contained In	Issued By
CA051	$CC2E3	$CCPAS
CA052	$CC2E3	$CCPAS
CA053	$CC2E3	$CCPAS
CA054	$CC2E3	$CCPAS
CA055	$CC2E3	$CC2TN
CA060	$CC2E3	$CCPAS
CA061	$CC2E4	$CC2BT
CA070	$CC2E4	$CC2PG
CA071	$CC2E4	$CC2PG
CA072	$CC2E4	$CC2TN
CA073	$CC2E4	$CC2MT
CA074	$CC2E4	$CC2MT
CA075	$CC2E4	$CC2MT
CA076	$CC2E4	$CC2ML
CA077	$CC2E4	$CC2BT
CA078	$CC2E4	$CC2SY
CA079	$CC2E4	CC2TN
CA080	$CC2E4	$CC2MT
CA082	$CC2ED	$CC2PG
CA083	$CC2ED	$CC2PG
CA084	$CC2ED	$CC2PG
CA085	$CC2ED	$CC2PG
CA086	$CC2ED	$CC2PG
CA087	$CC2ED	$CC2DF
CA098	$CC2E5	$CC2SY
	$CC2E5	$CC2HK

Message ID	Contained In	Issued By
CA099	$CC2E5	$CCPAS
CA101	$CC2E5	$CCPAS
CA102	$CC2E5	$CC2SY
CA103	$CC2E5	$CC2SY
CA104	$CC2E5	$CC2SY
CA105	$CC2E5	$CCPAS
CA106	$CC2E5	$CC2SY
CA108	$CC2E5	$CC2SY
CA109	$CC2E5	$CC2SY
CA110	$CC2E5	$CC2SY
CA111	$CC2E5	$CC2BT
CA115	$CC2E6	$CC2TA
CA116	$CC2E6	$CC2TA
CA117	$CC2E6	$CC2TA
CA118	$CC2E6	$CC2TA
CA119	$CC2E6	$CC2MT
CA120	$CC2E6	$CC2TA
CA121	$CC2E6	$CC2TA
CA122	$CC2E6	$CC2TA
CA123	$CC2E6	$CCPAS
CA125	$CC2E6	$CC2BL
	$CC2E6	$CC2BT
CA126	$CC2E6	$CC2BL
	$CC2E6	$CC2ML
CA127	$CC2E6	$CC2BT
CA129	$CC2E7	$CC2ML
CA130	$CC2E7	$CCPAS

ASSIGNMENT BUILD MESSAGES (continued)

Message ID	Contained In	Issued By
CA133	$CC2E7	$CC2ML
CA135	$CC2E7	$CC2BL
	$CC2E7	$CC2ML
CA136	$CC2E7	$CC2BL
	$CC2E7	$CC2ML
CA138	$CC2E7	$CC2BL
	$CC2E7	$CC2ML
CA140	$CC2E7	$CC2BL
	$CC2E7	$CC2BT
	$CC2E7	$CC2MT
CA141	$CC2E7	$CC2BL
	$CC2E7	$CC2BT
CA142	$CC2E7	$CC2BL
	$CC2E7	$CC2ML
	$CC2E7	$CC2MT
CA144	$CC2EE	$CC2BT
CA145	$CC2EE	$CC2SY
CA150	$CCZEE	$CCPAS
CA151	$CCZEE	$CCPAS
CA152	$CCZEE	$CC2HK
CA154	$CCZEE	$CC2PG
CA160	$CC2E7	$CC2MT
CA161	$CC2E7	$CC2BT
	$CC2E7	$CC2MT
CA162	$CC2E7	$CC2BT
CA163	$CC2E8	$CC2MT
CA164	$CC2E8	$CC2BT
CA165	$CC2E8	$CC2BT
CA166	$CC2E8	$CC2BT
CA167	$CC2E8	$CC2TA

ASSIGNMENT BUILD MESSAGES (continued)

Message ID	Contained In	Issued By
CA168	$CC2E8	$CC2BT
	$CC2E8	$CC2MT
CA172	$CC2E8	$CC2BT
	$CC2E8	$CC2MT
CA173	$CC2E8	$CC2BT
	$CC2E8	$CC2MT
CA174	$CC2E8	$CC2BT
	$CC2E8	$CC2MT
CA175	$CC2E8	$CC2BT
	$CC2E8	$CC2MT
CA176	$CC2E8	$CC2BT
	$CC2E8	$CC2MT
CA177	$CC2E8	$CC2MT
CA178	$CC2E9	$CC2BT
	$CC2E9	$CC2MT
CA179	$CC2E9	$CC2DF
CA185	$CC2E9	$CC2MT
CA186	$CC2E9	$CC2MT
CA187	$CC2E9	$CC2MT
CA188	$CC2E9	$CC2MT
CA195	$CC2E9	$CC2TN
CA196	$CC2E9	$CC2TN
CA197	$CC2E9	$CC2TN
CA198	$CC2E9	$CC2TN
CA200	$CC2E9	$CC2TN
CA202	$CC2E9	$CC2TN
CA203	$CC2EA	$CC2TN
CA209	$CC2EA	$CC2DF
CA210	$CC2EA	$CC2DF

Messages Cross-Reference

ASSIGNMENT BUILD MESSAGES (continued)

Message ID	Contained In	Issued By
CA212	$CC2EA	$CC2DF
CA213	$CC2EA	$CC2DF
CA214	$CC2EA	$CC2DF
CA216	$CC2EA	$CC2DF
CA217	$CC2EA	$CC2DF
CA218	$CC2EA	$CC2DF
CA219	$CC2EA	$CC2DF
CA220	$CC2EA $CC2EA	$CC2DF $CC2PG
CA221	$CC2EA	$CC2DF
CA222	$CC2ED	$CC2BL
CA223	$CC2ED	$CC2PG
CA224	$CC2ED	$CC2BL
CA230	$CC2EB	$CC2PG
CA231	$CC2EB	$CC2PG
CA232	$CC2EB	$CC2MT
CA233	$CC2EB	$CC2BT
CA234	$CC2EB	$CC2SY
CA235	$CC2EB	$CC2PG
CA236	$CC2EB	$CC2PG
CA237	$CC2EB	$CC2PG
CA238	$CC2EB	$CC2PG
CA239	$CC2EB $CC2EB	$CC2SY $CC2PG
CA240	$CC2EB	$CC2PG
CA241	$CC2EB	$CC2BT

A-8   Messages Cross-Reference
          CA212 — CL012

ASSIGNMENT LIST MESSAGES

Message ID	Contained In	Issued By
CA242	$CC2EB	$CC2PG
CA243	$CC1EB	$CC2PG
CA244	$CC2EC	$CC2HK
CA245	$CC2EC	$CC2PG
CA246	$CC2EC	$CC2PG
CA247	$CC2EC	$CC2PG
CA248	$CC2EC	$CC2PG
CA249	$CC2EC	$CC2PG
CA250	$CC2EC	$CC2PG
CA251	$CC2EC $CC2EC	$CC2SY $CC2PG
CA252	$CC2EC	$CC2PG
CA253	$CC2EC	$CC2DF
CA254	$CC2EC	$CC2PG
CA255	$CC2EC	$CC2PG
CL001	$CCPAL	$CCPAL
CL002	$CCPAL	$CCPAL
CL003	$CCPAL	$CCPAL
CL004	$CCPAL	$CCPAL
CL005	$CCPAL	$CCPAL
CL006	$CCPAL	$CCPAL
CL007	$CCPAL	$CCPAL
CL008	$CCPAL	$CCPAL
CL009	$CCPAL	$CCPAL
CL010	$CCPAL	$CCPAL
CL011	$CCPAL	$CCPAL
CL012	$CCPAL	$CCPAL

USER SECURITY ROUTINE MESSAGES

Message ID	Contained In	Issued By
AU010	$CCPAU	$CCPAU
AU011	$CCPAU	$CCPAU
AU012	$CCPAU	$CCPAU
AU013	$CCPAU	$CCPAU
AU014	$CCPAU	$CCPAU
AU015	$CCPAU	$CCPAU
AU016	$CCPAU	$CCPAU
AU017	$CCPAU	$CCPAU
AU018	$CCPAU	$CCPAU
AU019	$CCPAU	$CCPAU
AU020	$CCPAU	$CCPAU
AU021	$CCPAU	$CCPAU
AU022	$CCPAU	$CCPAU
AU023	$CCPAU	$CCPAU
AU024	$CCPAU	$CCPAU
AU025	$CCPAU	$CCPAU
AU026	$CCPAU	$CCPAU
AU027	$CCPAU	$CCPAU

DISPLAY FORMAT GENERATOR MESSAGES

Message ID	Contained In	Issued By
CG001	$CC2CF	$CC2CF
CG002	$CC2CF	$CC2CF
CG003	$CC2CF	$CC2CF
CG004	$CC2CF	$CC2CF
CG005	$CC2CF	$CC2CF
CG006	$CC2CF	$CC2CF
CG007	$CC2CF	$CC2CF
CG008	$CC2CF	$CC2CF
CG009	$CC2CF	$CC2CF
CG010	$CC2CF	$CC2CF
CG011	$CC2CF	$CC2CF
CG012	$CC2CF	$CC2CF
CG013	$CC2CF	$CC2CF
CG014	$CC2CF	$CC2CF
CG015	$CC2CF	$CC2CF
CG016	$CC2CF	$CC2CF
CG017	$CC2CF	$CC2CF
CG018	$CC2CF	$CC2CF
CG019	$CC2CF	$CC2CF
CG020	$CC2CF	$CC2CF
CG021	$CC2CF	$CC2CF
CG022	$CC2CF	$CC2CF
CG023	$CC2CF	$CC2CF
CG024	$CC2CF	$CC2CF

DISPLAY FORMAT GENERATOR MESSAGES
(Continued)

Message ID	Contained In	Issued By
CG025	$CC2CF	$CC2CF
CG026	$CC2CF	$CC2CF
CG027	$CC2CF	$CC2CF
CG028	$CC2CF	$CC2CF
CG029	$CC2CF	$CC2CF
CG030	$CC2CF	$CC2CF
CG031	$CC2CP	$CC2CP
CG032	$CC2CP	$CC2CP
CG033	$CC2CF	$CC2CF
CG034	$CC2CR	$CC2CR
CG035	$CC2CF	$CC2CR
CG036	$CC2CF	$CC2CR
CG037	$CC2CF	$CC2CF
CG038	$CC2CF	$CC2CF
CG039	$CC2CF	$CC2CF
CG040	$CC2CF	$CC2CF
CG041	$CC2CF	$CC2CF

DISPLAY FORMAT TEST ROUTINE MESSAGES

Message ID	Contained In	Issued By
DT010	$CCPDT	$CCPDT
DT011	$CCPDT	$CCPDT
DT012	$CCPDT	$CCPDT
DT013	$CCPDT	$CCPDT
DT014	$CCPDT	$CCPDT
DT015	$CCPDT	$CCPDT
DT016	$CCPDT	$CCPDT
DT017	$CCPDT	$CCPDT
DT018		
DT019	$CCPDT	$CCPDT
DT020	$CCPDT	$CCPDT

PRINTER FORMAT GENERATOR MESSAGES

Message ID	Contained In	Issued By
CP001	$CC2CG	$CC2CG
CP002	$CC2CG	$CC2CG
CP003	$CC2CG	$CC2CG
CP004	$CC2CG	$CC2CG
CP005	$CC2CG	$CC2CG
CP006	$CC2CG	$CC2CG
CP007	$CC2CG	$CC2CG
CP008	$CC2CG	$CC2CG
CP009	$CC2CG	$CC2CG

PRINTER FORMAT GENERATOR MESSAGES
(Continued)

Message ID	Contained In	Issued By
CP010	$CC2CG	$CC2CG
CP011	$CC2CG	$CC2CG
CP012	$CC2CG	$CC2CG
CP013	$CC2CG	$CC2CG
CP014	$CC2CG	$CC2CG
CP015	$CC2CG	$CC2CG
CP016	$CC2CG	$CC2CG
CP017	$CC2CG	$CC2CG
CP018	$CC2CG	$CC2CG
CP019	$CC2CG	$CC2CG
CP020	$CC2CG	$CC2CG
CP021	$CC2CG	$CC2CG
CP022	$CC2CG	$CC2CG
CP023	$CC2CG	$CC2CG
CP024	$CC2CG	$CC2CG
CP025	$CC2CG	$CC2CG
CP026	$CC2CG	$CC2CG
CP027	$CC2CG	$CC2CG
CP028	$CC2CG	$CC2CG
CP029	$CC2CG	$CC2CG
CP030	$CC2CG	$CC2CG
CP031	$CC2CG	$CC2CS
CP032	$CC2CG	$CC2CS

PRINTER FORMAT GENERATOR MESSAGES
(Continued)

Message ID	Contained In	Issued By
CP033	$CC2CG	$CC2CS
CP034	$CC2CG	$CC2CG
CP035	$CC2CG	$CC2CG
CP036	$CC2CQ	$CC2CQ
CP037	$CC2CQ	$CC2CQ

STARTUP MESSAGES

Message ID	Contained In	Issued By
SU001	$CCP	$CCP
SU002	$CCP	$CCP
SU003	$CCP	$CCP
SU004	$CCP	$CCP
SU005	$CCP	$CCP
SU006	$CCP	$CCP
SU009	$CCP	$CCP
SU010	$CCP	$CCP
SU011	$CCP	$CCP
SU012	$CCP	$CCP
SU013	$CCP	$CCP
SU014	$CCP	$CCP
SU015	$CCP	$CCP
SU020	$CCP	$CCP
SU025	$CCP	$CCP
SU035	$CCP	$CCP
SU040	$CCP	$CCP

STARTUP MESSAGES (Continued)

Message ID	Contained In	Issued By
SU045	$CCP	$CCP
SU046	$CCP	$CCP
SU047	$CCP	$CCP
SU048	$CCP	$CCP
SU049	$CCP	$CCP
SU050	$CCP	$CCP
SU051	$CCP	$CCP
SU052	$CCP	$CCP
SU055	$CCP	$CCP
SU060	$CCP	$CCP
SU065	$CCP	$CCP
SU070	$CCP	$CCP
SU071	$CCP	$CCP
SU075	$CCP	$CCP
SU090	$CCP	$CCP
SU095	$CCP	$CCP
SU099	$CCP	$CCP
SU100	$CCP	$CCP
SU101	$CCP	$CCP
SU105	$CCP	$CCP
SU110	$CCP	$CCP
SU111	$CCP	$CCP
SU115	$CCP	$CCP
SU119	$CCP	$CCP

STARTUP MESSAGES (Continued)

Message ID	Contained In	Issued By
SU125	$CCP	$CCP
SU126	$CCP	$CCP
SU130	$CCP	$CCP
SU140	$CCP	$CCP
SU141	$CCP	$CCP
SU142	$CCP	$CCP
SU143	$CCP	$CCP
SU145	$CCP	$CCP
SU146	$CCP	$CCP
SU149	$CCP	$CCP
SU251	$CC3L0	$CC3L0
SU259	$CC3L0	$CC3L0
SU260	$CC3FX	$CC3FX
SU263	$CC3FX	$CC3FX
SU265	$CC3FX	$CC3FX
SU267	$CC3FX	$CC3FX
SU270	$CC3CR	$CC3CR
SU300	$CC3FS	$CC3FS
SU305	$CC3FS	$CC3FS
SU310	$CC3FS	$CC3FS
SU315	$CC3FS	$CC3FS
SU320	$CC3FS	$CC3FS
SU325	$CC3FS	$CC3FS
SU330	$CC3FS	$CC3FS

STARTUP MESSAGES (continued)

Message ID	Contained In	Issued By
SU335	$CC3FS	$CC3FS
SU340	$CC3FS	$CC3FS
SU345	$CC3FS	$CC3FS
SU350	$CC3FS	$CC3FS
SU351	$CC3FS	$CC3FS
SU355	$CC3FS	$CC3FS
SU356	$CC3FS	$CC3FS
SU357	$CC3FS	$CC3FS
SU358	$CC3FS	$CC3FS
SU359	$CC3FS	$CC3FS
SU360	$CC3FS	$CC3FS
SU365	$CC3FS	$CC3FS
SU366	$CC3FS	$CC3FS
SU370	$CC3FS	$CC3FS
SU373	$CC3FS	$CC3FS
SU375	$CC3FS	$CC3FS
SU376	$CC3FS	$CC3FS
SU380	$CC3FS	$CC3FS
SU385	$CC3FS	$CC3FS
SU390	$CC3FS	$CC3FS
SU395	$CC3FS	$CC3FS
SU401	$CC3FS	$CC3FS
SU405	$CC3FS	$CC3FS
SU410	$CC3FS	$CC3FS
SU415	$CC3FS	$CC3FS
SU420	$CC3FS	$CC3FS

STARTUP MESSAGES (continued)

Message ID	Contained In	Issued By
SU425	$CC3FS	$CC3FS
SU430	$CC3FS	$CC3FS
SU435	$CC3FS	$CC3FS
SU440	$CC3FS	$CC3FS
SU449	$CC3FS	$CC3FS
SU450	$CC3IP	$CC3IP
SU451	$CC3IP	$CC3IP
SU452	$CC3IP	$CC3IP
SU453	$CC3IP	$CC3IP
SU454	$CC3IP	$CC3IP
SU455	$CC3IP	$CC3IP
SU456	$CC3IP	$CC3IP
SU457	$CC3IP	$CC3IP
SU458	$CC3TB	$CC3TB
SU459	$CC3TB	$CC3TB
SU460	$CC3UP	$CC3UP
SU461	$CC3TB	$CC3TB
SU462	$CC3IP	$CC3IP
SU463	$CC3TB	$CC3TB
SU464	$CC3LT	$CC3LT
SU465	$CC3EJ	$CC3EJ
SU466	$CC3TB	$CC3TB
SU468	$CC3TB	$CC3TB
SU469	$CC3TB	$CC3TB
SU484	$CC4EC	$CC4EC
SU541	$CC3TC	$CC3TC

Messages Cross-Reference

STARTUP MESSAGES (continued)

Message ID	Contained In	Issued By
SU542	$CC3TC	$CC3TC
SU543	$CC3TC	$CC3TC
SU547	$CC3TC	$CC3TC
SU548	$CC3TC	$CC3TC
SU550	$CC3LD	$CC3LD
SU555	$CC3LD	$CC3LD
SU556	$CC3LD	$CC3LD
SU557	$CC3LD	$CC3LD
SU558	$CC3LD	$CC3LD
SU559	$CC3LD	$CC3LD
SU560	$CC3LD $CC3EX $CC3UP	$CC3LD $CC3EX $CC3UP
SU561	$CC3LD	$CC3LD
SU565	$CC3LD $CC3EX $CC3UP	$CC3LD $CC3EX $CC3UP
SU570	$CC3LD	$CC3LD
SU575	$CC3LD	$CC3LD
SU580	$CC3LD	$CC3LD
SU581	$CC3LD	$CC3LD
SU585	$CC3LD	$CC3LD
SU590	$CC3LD	$CC3LD
SU595	$CC3LD	$CC3LD
SU600	$CC3LD	$CC3LD
SU605	$CC3LD	$CC3LD
SU610	$CC3LD	$CC3LD
SU615	$CC3LD	$CC3LD

STARTUP MESSAGES (continued)

Message ID	Contained In	Issued By
SU651	$CC3TA	$CC3TA
SU653	$CC3TA	$CC3TA
SU661	$CC3CE	$CC3CE
SU671	$CC3PX	$CC3PX
SU681	$CC3UB	$CC3UB
SU682	$CC3UB	$CC3UB
SU691	$CC3FB	$CC3FB
SU701	$CC3QB	$CC3QB
SU710	$CC3DL	$CC3DL
SU715	$CC3DL	$CC3DL
SU725	$CC3DL	$CC3DL
SU726	$CC3LD	$CC3LD
SU727	$CC3DL	$CC3DL
SU728	$CC3DM	$CC3DM
SU730	$CC3DL	$CC3DL
SU735	$CC3DL	$CC3DL
SU751	$CC3DF	$CC3DF
SU753	$CC3DF	$CC3DF
SU759	$CC3DF	$CC3DF
SU760	$CC3DF	$CC3DF
SU800	$CC3MV	$CC3MV
SU801	$CC3MV	$CC3MV
SU805	$CC3MV	$CC3MV
SU810	$CC3MV	$CC3MV
SU901	$CC3EJ	$CC3EJ
SU915	$CC3EJ	$CC3EJ

STARTUP MESSAGES (Continued)

Message ID	Contained In	Issued By
SU916	$CC3EJ	$CC3EJ
SU917	$CC3EJ	$CC3EJ
SU918	$CC3EJ	$CC3EJ
SU921	$CC3EJ	$CC3EJ
SU925	$CC3EJ	$CC3EJ
SU940	$CC3EJ	$CC3EJ
SU941	$CC3EJ	$CC3EJ
SU942	$CC3EJ	$CC3EJ
SU945	$CC3EJ	$CC3EJ

STARTUP MESSAGES (Continued)

Message ID	Contained In	Issued By
SU950	$CC3EI	$CC3EI
SU951	$CC3EJ	$CC3EJ
SU952	$CC3EF	$CC3EJ
SU953	$CC3EJ	$CC3EJ
SU954	$CC3EJ	$CC3EJ
SU955	$CC3EJ	$CC3EJ
SU956	$CC3EJ	$CC3EJ
SU957	$CC3EK	$CC3EK
SU958	$CC3EJ	$CC3EJ
SU960	$CC3EK	$CC3EK
SU965	$CC3EM	$CC3EM
SU970	$CC3EM	$CC3EM
SU997	$CC3EJ	$CC3EJ
SU999	$CC3EJ	$CC3EJ

Messages Cross-Reference

STARTUP MESSAGES (Continued)

Models 4, 8, 10, and 12

Message ID	Message Text	Contained In	Issued By
NONE	ANY REPS FOR THIS RUN?	$CC3CX	$CC3CX
NONE	READY SYSIN DEVICE	$CC3CX	$CC3CX
NONE	SYSIN READ ERROR—PRESS END WHEN READY TO RETRY	$CC3CX	$CC3CX
NONE	NOT REP CARD—PRESS END WHEN READY TO RETRY	$CC3CX	$CC3CX
NONE	REP CARD EMPTY—PRESS END WHEN READY TO RETRY	$CC3CX	$CC3CX
NONE	BAD ADDRESS—PRESS END WHEN READY TO RETRY	$CC3CX	$CC3CX
NONE	NO PATCH VALUES—PRESS END WHEN READY TO RETRY	$CC3CX	$CC3CX
NONE	ODD NUMBER HEX DIGITS—PRESS END TO RETRY	$CC3CX	$CC3CX
NONE	BAD HEX DIGIT IN PATCH—PRESS END TO RETRY	$CC3CX	$CC3CX
NONE	DELIMITER ERROR—PRESS END TO RETRY	$CC3CX	$CC3CX

Model 15

Message ID	Message Text	Contained In	Issued By
NONE	ANY REPS?	$CC3CX	$CC3CX
NONE	ERROR FROM SYSIN	$CC3CX	$CC3CX
NONE	NOT A REP CARD	$CC3CX	$CC3CX
NONE	REP CARD EMPTY	$CC3CX	$CC3CX
NONE	BAD ADDRESS	$CC3CX	$CC3CX
NONE	NO PATCH VALUES	$CC3CX	$CC3CX
NONE	ODD NUMBER OR HEX DIGITS	$CC3CX	$CC3CX
NONE	BAD HEX DIGIT IN PATCH	$CC3CX	$CC3CX
NONE	DELIMITER ERROR	$CC3CX	$CC3CX
NONE	ERROR DURING CCP STARTUP, DO CORE DUMP	$CC3DM	$CC3DM

SYSTEM OPERATOR MESSAGES

Message ID	Contained In	Issued By
000	$CC4SU	$CC4SU
010	$CC4OR	$CC4OR
022	$CC4QQ	$CC4QQ
060	$CC4K7	$CC4K7
061	$CC4EA	$CC4R4
066	$CC4R8	$CC4R8
093	$CC4ED	$CC4FL
180	$CC4EU	$CC4AP
181	$CC4EU	$CC4AL
182	$CC4EU	$CC4AL
183	$CC4EU	$CC4AL
184	$CC4EU	$CC4AL
185	$CC4EU	$CC4AL
186	$CC4EU	$CC4AL
187	$CC4EU	$CC4AL
188	$CC4EU	$CC4AN
189	$CC4EU $CC4EU	$CC4AN $CC4AP
211	$CC4EF	$CC4C2
220	$CC4C2	$CC4C2
221	$CC4C2	$CC4C2
240	$CC4C3	$CC4C3
241	$CC4EF	$CC4C3
242	$CC4EF	$CC4C3

SYSTEM OPERATOR MESSAGES (Continued)

Message ID	Contained In	Issued By
261	$CC4EF	$CC4C4
270	$CC4C4 $CC4C8	$CC4C4 $CC4C8
280	$CC4C5	$CC4C5
281	$CC4C5	$CC4C9
290	$CC4EG $CC4EG	$CC4C5 $CC4C7
291	$CC4EG	$CC4C7
292	$CC4EG	$CC4C7
293	$CC4EG	$CC4C7
295	$CC4C7	$CC4C7
299	$CC4C7	$CC4C7
300	$CC4C6	$CC4C6
301	$CC4EF	$CC4C6
302	$CC4C6	$CC4C6
318	$CC4E2	$CC4VA
319	$CC4E2	$CC4VA
320	$CC4VB	$CC4VB
321	$CC4E3 $CC4E3	$CC4VA $CC4VB
322	$CC4E3	$CC4VB
323	$CC4E3	$CC4VB
324	$CC4E2	$CC4VA
325	$CC4E2	$CC4VA
326	$CC4E2	$CC4VA
327	$CC4E2	$CC4VA

Message ID	Contained In	Issued By
329	$CC4E2	$CC4VA
330	$CC4E2	$CC4VA
331	$CC4E2	$CC4VA
332	$CC4E2	$CC4VA
333	$CC4E2	$CC4VA
334	$CC4E2	$CC4VA
335	$CC4E3	$CC4VB
336	$CC4E3	$CC4VB
338	$CC4E3	$CC4VB
340	$CC4EH	$CC4CG
341	$CC4EH	$CC4CG
342	$CC4EH	$CC4CG
343	$CC4EH	$CC4CG
344	$CC4EH	$CC4CG
345	$CC4EH	$CC4CG
346	$CC4EH	$CC4CG
347	$CC4EH	$CC4CG
348	$CC4EH	$CC4CG
350	$CC4EH	$CC4CG
352	$CC4EH	$CC4CG
353	$CC4EH	$CC4CG
360	$CC4EH	$CC4AT
361	$CC4E4 $CC4E4	$CC4AS $CC4AT

Message ID	Contained In	Issued By
362	$CC4E4 $CC4E4	$CC4AS $CC4AT
363	$CC4E4	$CC4AS
364	$CC4E4	$CC4AS
365	$CC4E4	$CC4AS
366	$CC4E4	$CC4AS
367	$CC4E4	$CC4AS
369	$CC4E4	$CC4AS
370	$CC4E4	$CC4AS
371	$CC4E4	$CC4AS
372	$CC4E5	$CC4AU
373	$CC4E5	$CC4AT
374	$CC4E5	$CC4AT
375	$CC4AT	$CC4AT
378	$CC4MZ $CC4TZ	$CC4MZ $CC4TZ
379	$CC4MZ	$CC4MZ
381	$CC4EL	$CC4MZ
382	$CC4EL	$CC4MZ
383	$CC4EL	$CC4MZ
384	$CC4EL	$CC4TZ
385	$CC4EL	$CC4TS
386	$CC4EL	$CC4TS
387	$CC4EL	$CC4MZ
388	$CC4EL	$CC4TS

SYSTEM OPERATOR MESSAGES (continued)

Message ID	Contained In	Issued By
389	$CC4EL	$CC4TS
390	$CC4T2	$CC4T2
391	$CC4EL $CC4EL $CC4EL	$CC4TS $CC4TZ $CC4MZ
392	$CC4MT	$CC4MT
393	$CC4EL	$CC4MZ
394	$CC4EL	$CC4TZ
395	$CC4EE	$CC4TS
396	$CC4	$CC4TZ
397	$CC4EE	$CC4TS
398	$CC4EL	$CC4TS
400	$CC4RP	$CC4RP
401	$CC4E1	$CC4RP
402	$CC4E1	$CC4RP
403	$CC4E1	$CC4RP
404	$CC4E1	$CC4RP
407	$CC4E1	$CC4AE
408	$CC4E1	$CC4AE
410	$CC4MA	$CC4MA
411	$CC4BL $CC4BL $CC4BL	$CC4BE $CC4BA $CC4B5
413	$CC4MP	$CC4MP
414	$CC4MF	$CC4MF
415	$CC4MB	$CC4MB

SYSTEM OPERATOR MESSAGES (continued)

Message ID	Contained In	Issued By
416	$CC4MD $CC4UL	$CC4MD $CC4UL
417	$CC4MD $CC4UL	$CC4MD $CC4UL
418	$CC4ME	$CC4ME
419	$CC4ME	$CC4ME
420	$CC4EF	$CC4TE
421	$CC4EF	$CC4TE
422	$CC4EF	$CC4TE
423	$CC4EF	$CC4TE
424	$CC4EF	$CC4TE
425	$CC4EF	$CC4TE
426	$CC4EF	$CC4TE
427	$CC4EF	$CC4TA, $CC4TO
428	$CC4EF	$CC4TA
429	$CC4EF	$CC4TA, $CC4TO
430	$CC4EF	$CC4TE
431	$CC4EF	$CC4TO
432	$CC4EF	$CC4TE
433	$CC4EF	$CC4TO
434	$CC4EF	$CC4TE
440	$CC4EP	$CC4SS
441	$CC4EP	$CC4SS
442	$CC4EP	$CC4SS
443	$CC4EP	$CC4SS
445	$CC4EP	$CC4RS

Messages Cross-Reference

SYSTEM OPERATOR MESSAGES (continued)

Message ID	Contained In	Issued By
450	CCPFMT CCPPGM	CCPFMT CCPPGM
451	CCPFMT	CCPFMT
452	CCPFMT CCPPGM	CCPFMT CCPPGM
453	CCPFMT CCPPGM	CCPFTM CCPPGM
454	CCPFMT CCPPGM	CCPFMT CCPPGM
455	CCPFMT	CCPFMT
456	CCPFMT	CCPFMT
457	CCPPGM	CCPPGM
458	CCPPGM	CCPPGM
459	CCPPGM	CCPPGM
460	$CC4EP $CC4EP	$CC4RE $CC4RF
461	$CC4EP	$CC4RF
462	$CC4EP	$CC4RE
463	$CC4EP	$CC4RE
464	$CC4EP	$CC4RE
465	$CC4EP	$CC4RE
466	$CC4EP	$CC4RE
467	$CC4EP	$CC4RE
468	$CC4EP	$CC4RE
469	CCPPGM	CCPPGM
470	CCPFMT CCPPGM $CCPAL $CCPAS	CCPFMT CCPPGM $CCPAL $CCPAS
480	$CC4CX	$CC4CX

SYSTEM OPERATOR MESSAGES (continued)

Message ID	Contained In	Issued By
481	$CC4EC	$CC4CJ
482	$CC4EC	$CC4CJ
483	$CC4EC	$CC4CJ
484	$CC4EC	$CC4CJ
485	$CC4EC	$CC4CJ
486	$CC4EC	$CC4CJ
487	$CC4EC	$CC4CJ
488	$CC4EC	$CC4CJ
490	$CC4SH	$CC4SH
500	$CC4EF	$CC4SH
501	$CC4EF	$CC4SH
502	$CC4EJ	$CC4EJ
503	$CC5SH	$CC5SH
504	$CC5SH	$CC5SH
505	$CC5SH	$CC5SH
506	$CC4SH	$CC4SH
506	$CC5SH	$CC5SH
507	$CC5SH	$CC5SH
508	$CC4SH	$CC4SH
509	$CC4SH	$CC4SH
510	$CC5SH	$CC5SH
520	$CC40G	$CC40G
521	$CC4RY	$CC4RY
522	$CC4NM	$CC4NM
524	$CC4WD	$CC4WD

SYSTEM OPERATOR MESSAGES (Continued)

Message ID	Contained In	Issued By
525	$CC4WD	$CC4WD
526	$CC4TW	$CC4TW
527	$CC4SO	$CC4SO
528	$CC4DD	$CC4DD
529	$CC4NC	$CC4NC
530	$CC4TW	$CC4TW
531	$CC4TW	$CC4TW
533	$CC4BL	$CC4BE
534	$CC4BL	$CC4BE
550	$CC4TH	$CC4TH
551	$CC4TH	$CC4TH
900	$CC4MG	$CC4MG
951	$CC4K7	$CC4K7
952	$CC4K7	$CC4K7
990		$CC4H1 $CC4H2
991		$CC4H1 $CC4H2
992		$CC4H1
993		$CC4H1 $CC4H2
ABRT	$CC4KA	$CC4KA
CCP TRACE DISK ERROR	$CCTRA	$CCTRA
CNCL	$CC4K7	$CC4K7
FORM	$CC4K8	$CC4K8
I/O ATTN	$EURI	$CC4KB

TERMINAL OPERATOR MESSAGES

Message ID	Contained In	Issued By
A01	$CC4SO	$CC4SO
A02	$CC4EF	$CC4EF
A03	$CC4QQ	$CC4QQ
A04	$CC4QQ	$CC4QQ
A05	$CC4ED	$CC4NM
A06	$CC4ED	$CC4F2
A07	$CC4DM	$CC4DM
A08	$CC4NC	$CC4NC
A09	$CC4RN	$CC4RN
A10	$CC4OG	$CC4OG
A11	$CC4BO	$CC4CM
E01	$CC4EC	$CC4PC
E02	$CC4SO $CC4EC	$CC4SO $CC4PC
E03	$CC4SO	$CC4SO
E04	$CC4SO	$CC4SO
E05	$CC4QQ	$CC4QQ
E06	$CC4EF	$CC4MG
E07	$CC4EC	$CC4CN
E08	$CC4EC	$CC4OF
E09	$CC4EC	$CC4OF
E10	$CC4EC	$CC4OF
E11	$CC4EA	$CC4R3
E12	$CC4EA	$CC4R3

Message ID	Contained In	Issued By
E13	$CC4EA	$CC4R1
E14	$CC4EA	$CC4R1
E15	$CC4EB	$CC4R4
E16	$CC4RN	$CC4RN
E17	$CC4ED	$CC4FL
E18	$CC4ED	$CC4FL
E19	$CC4ED	$CC4FL
E20	$CC4ED	$CC4ED
E21	$CC4ED	$CC4FL
E22	$CC4ED	$CC4NM
E23	$CC4ED	$CC4NM
E24	$CC4ED	$CC4NM
E25	$CC4ED	$CC4NM
E26	$CC4ED	$CC4F2
E27	$CC4EE	$CC4PC
E28	$CC4EA	$CC4R3
E29	$CC4EC	$CC4PC
E30	$CC4EC	$CC4PC
E31	$CC4EA	$CC4EA
E32	$CC4EA $CC4R3	$CC4R1 $CC4RC
E33	$CC4EM	$CC4R6
R01	$CC4EE	$CC4PC
R02	$CC4RF	$CC4RF
R03	$CC4EA	$CC4R1

Message ID	Contained In	Issued By
R04	$CC4EA	$CC4R1
R05	$CC4EA	$CC4R1
R06	$CC4EA	$CC4R2
R07	$CC4EA	$CC4R2
R08	$CC4EA	$CC4R3
R09	$CC4EB	$CC4R5
R10	$CC4EB	$CC4R5
R11	$CC4EB	$CC4R4
R12	$CC4EB	$CC4R4
R13	$CC4EB	$CC4R7
R14	$CC4EB	$CC4R7
R15	$CC4EB	$CC4R5
R16	$CC4EB	$CC4R4
R17	$CC4ED	$CC4F2
R19	$CC4EN	$CC4AM
R20	$CC4EA	$CC4R6
R21	$CC4EM	$CC4R5
R23	$CC4EB	$CC4AM
R24	$CC4EB	$CC4AM
R25	$CC4EB	$CC4AM
R26	$CC4EN	$CC4AM
R27	$CC4EN	$CC4AM
R28	$CC4EB	$CC4AM
R29	$CC4EB	$CC4AM

TERMINAL OPERATOR MESSAGES (continued)

Message ID	Contained In	Issued By
S01	$CC4RX	$CC4RX
S02	$CC4RX	$CC4RX
S03	$CC4TY $CC4CX	$CC4TY $CC4CX
S04	$CC4SH $CC4EE	$CC4SH $CC4PC
S05	$CC4TY	$CC4TY
S06	$CC4TY	$CC4TY
S07	$CC4VB	$CC4VB
S08	$CC4VB	$CC4VB
S09	$CC4TY	$CC4TY
S10		$CC4CG
S11	$CC4EE	$CC4PF
S12	$CC4RP	$CC4RP
S13	$CC4PF	$CC4PF

CCP DUMP MESSAGES

Message ID	Contained In	Issued By
DD001	$CCPDD	$CCPDD
DD002	$CCPDD	$CCPDD
DD003	$CCPDD	$CCPDD
DD004	$CCPDD	$CCPDD
DD005	$CCPDD	$CCPDD
DD006	$CCPDD	$CCPDD
DD007	$CCPDD	$CCPDD
DD008	$CCPDD	$CCPDD
DD009	$CCPDD	$CCPDD
DD00A	$CCPDD	$CCPDD
DD00B	$CCPDD	$CCPDD
DD00C	$CCPDD	$CCPDD
DD00D	$CCPDD	$CCPDD
DD00E	$CCPDD	$CCPDD
DD00F	$CCPDD	$CCPDD
DD01A	$CCPDD	$CCPDD
DP010	$CCPDD	$CCPDD
DP011	$CCPDD	$CCPDD
DP012	$CCPDD	$CCPDD
DP013	$CCPDD	$CCPDD
DP014	$CCPDD	$CCPDD

Messages Cross-Reference

CCP DUMP MESSAGES (continued)

Message ID	Contained In	Issued By
DP015	$CCPDD	$CCPDD
DP016	$CCPDD	$CCPDD
DP017	$CCPDD	$CCPDD
DP018	$CCPDD	$CCPDD
DP019	$CCPDD	$CCPDD
DP020	$CCPDD	$CCPDD
DP021	$CCPDD	$CCPDD
DP022	$CCPDD	$CCPDD
DP023	$CCPDD	$CCPDD
DP024	$CCPDD	$CCPDD
DP025	$CCPDD	$CCPDD
DP027	$CCPDD	$CCPDD
DP028	$CCPDD	$CCPDD

INSTALLATION VERIFICATION PROGRAM (CCPIVP) MESSAGES

Message ID	Contained In	Issued By
EJEMSG	CCPIVP	CCPIVP
EJNMSG	CCPIVP	CCPIVP
EMSG1	CCPIVP	CCPIVP
EMSG2	CCPIVP	CCPIVP
EMSG3	CCPIVP	CCPIVP
EMSG4	CCPIVP	CCPIVP
MESG1	CCPIVP	CCPIVP
MESG2	CCPIVP	CCPIVP
MESG3	CCPIVP	CCPIVP
MG1OP	CCPIVP	CCPIVP
MSGRY1	CCPIVP	CCPIVP
MSG1CD	CCPIVP	CCPIVP
RQSMSG	CCPIVP	CCPIVP

IBM System/3
Communications Control Program
Messages Manual

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This technical newsletter applies to version 4 modification 0 of IBM System/3 Model 15D System Control Program (Program 5704-SC2) and to all other models listed in the Edition Notice and provides replacement pages for the subject publication. These replacement pages remain in effect for subsequent versions and modifications unless specifically altered. Pages to be inserted and/or removed are:

v, vi	2-13, 2-14	4-13, 4-14
1-1, 1-2	2-19, 2-20	5-13, 5-14
1-11, 1-12	2-33, 2-34	6-9 through 6-12
1-12.1, 1-12.2 (added)	3-9 through 3-18	6-19 through 6-24
1-17, 1-18	3-21, 3-22	A-1 through A-4
1-23 through 1-26	3-25 through 3-30	A-7, A-8
1-35, 1-36	3-30.1, 3-30.2 (included to accommodate	A-13, A-14
1-43, 1-44	moved information)	A-19, A-20
1-48.1, 1-48.2 (added)	3-31, 3-32	A-23, A-24
2-5, 2-6	4-7 through 4-10	

Changes to text and illustrations are indicated by a vertical line at the left of the change.

Summary of Amendments

● Additional messages added

● Miscellaneous technical changes

Note: Please file this cover letter at the back of the manual to provide a record of changes.

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