

**NO. 3 PC (NUMBER 3 PROCESS CONTROLLER)
ERROR CODES AND MAINTENANCE MESSAGES
SARTS 1A (SWITCHED ACCESS REMOTE TEST SYSTEM 1A)**

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(test position 52A) are also included for reference by the SMM (system maintenance manager). The types and formats of error codes are explained, and the corresponding error messages are given in this practice. The suggested actions which are given in this practice may be followed when error conditions occur.

1.02 Whenever this practice is reissued, the reason(s) for reissue will be provided in this paragraph.

1.03 Alphanumeric codes have been assigned to the PC error messages. When an error occurs, the corresponding error code is printed at the DECwriter terminal. In some cases, additional information is included which may give the location, line number, or some other type of information that will help locate the error condition. Other types of error messages written on the DECwriter terminal are the CNC (communication network control) message, fatal messages, and inter-PC messages.

1.04 Several different modules in the PC generic program can generate error messages and are evoked by typographical error, by testing under improper circuit conditions, software failures, or via hardware due to either a hardware failure or its unavailability at the remote test site. This practice will give enough information to identify the type of error condition. In some cases, it may be necessary to refer to the software support to determine the solution for an error condition.

1. GENERAL

1.01 This practice describes SARTS 1A (Switched Access Remote Test System 1A) No. 3 PC (number 3 process controller) error message codes that are printed at the DECwriter terminal and may be displayed at the SMP (system maintenance position). The error messages which appear at TP 52A

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2. CNC (COMMUNICATIONS NETWORK CONTROL) PROGRAM ERROR MESSAGES

2.01 The CNC program is the OS-11 synchronous terminal manager. It controls the I/O (input/output) communication between the PC interface and the synchronous data terminal which includes the TP 52A and its associated equipment.

2.02 When a CNC error occurs (software or hardware), the CNC program sends an error code to the DECwriter terminal in the following format:

MM/DD HH:MMXM

CNC ERROR CODE = XX, ON L Y D Z.

The first line gives the date and time the error occurred, where:

MM = month

DD = day

HH = hour

MM = minute

XM = AM or PM.

The second line gives the CNC error code, where:

XX = CNC error code

L = line

Y = synchronous interface number

D = device

Z = logical device number.

2.03 The CNC error code can be any number from 1 through 50. The synchronous interface (SI) line number depends upon which SI lines are being used. The logical device may be a TP 52A or a printer. (See Practice 666-611-122, No. 3 PC Operating Instructions, for information on how to determine the synchronous interface and the logical device numbers.)

2.04 Table A is a list of CNC error messages. The CNC error code is given along with the error message and suggested action.

3. FATAL MESSAGES

3.01 In the event of a catastrophic system failure (such as a power failure), a primary alarm will

sound and an error message with the following format will be printed at the DECwriter terminal:

FATAL XX,P YYYYYY PS ZZZZZZ TSK

TAG LOAD MODULE = AAAAAA

Where:

XX = type of fatal error

Note: If **XX** = 05, a power failure is indicated. All other fatal types are software and should be referred to the system maintenance manager.

P YYYYYY = program counter content at the time of the fatal error

PS ZZZZZZ = program status word at the time of the fatal error (any value but 140ZZZ indicates a problem in the operating system)

TSK = name of the currently running task (two RAD50 words)

AAAAAA = ASCII (American Standard Code for Information Interchange) name of the load module containing the current task.

3.02 A fatal error means that the PC program has halted for some reason. Reboot the system. If the fatal error was caused by a software error, contact the SMM for referral to software support. Table B contains a list of the fatal error messages.

4. INTER-PC ERROR MESSAGES

4.01 The asynchronous communications subsystem handles the inter-PC communication. When an error occurs, the communications subsystem passes the information to the user by printing a message on the DECwriter terminal. The message printed will have one of the following formats:

MM/DD HH:MMXM

INTER-PC LINE XX XMIT ABORT ERROR Y

MM/DD HH:MMXM

MESSAGE TEXT

MM/DD HH:MMXM

INTER-PC LINE XX EEEE/RRRR INPUT MSN

**SEQUENCE
ERROR**

**MM/DD HH:MMXM
INTER-PC LINE XX EEEE/RRRR INPUT MSN: SEEN
BEFORE**

**MM/DD HH:MMXM
INTER-PC LINE XX EEEE/RRRR INPUT MSN SEVER
ERROR**

**MM/DD HH:MMXM
INTER-PC LINE XX - OUTPUT MSN FAILURE**

Where:

MM = month

DD = day

HH = hour

MM = minute

XM = AM or PM

XX = number of the line being used when the error occurred

Y = error number

EEEE = expected sequence number of message

RRRR = sequence number of message received

MESSAGE TEXT = first 50 characters of the message.

4.02 Inter-PC error messages may be printed as a result of problems with the communication facilities, a lack of synchronization between the two PCs, or a software bug. Table C contains a more detailed explanation of each error message and a suggested action.

5. ERROR MANAGER ERROR MESSAGES

5.01 The error manager is the general purpose message handler for various error conditions caused by the user, the applications software, or the hardware. The application program provides the error manager with a DECwriter terminal error code and/or a TP 52A error code.

5.02 There are five different error code formats as listed in Table D. The 3-line error message is provided on the DECwriter terminal with the first line always containing the date and time of error. The second line always contains the DECwriter terminal error code, optional CRT error code if an error message is also being written to the TP 52A, and text describing the error condition. The third line contains information that may be helpful in tracing the error.

5.03 If the RTS that generated the error is connected to a foreign PC, the **CRT=** field is replaced by an **ADL=** field. The ADL is the identification of the alien data line that connects the PCs. Its format is the characters PC followed by the logical line number.

5.04 If the RTS error concerns an enhancement, two additional fields are added to the previous format. They are **FEATURE=** and **REPL=** (where **FEATURE** is the name of the enhancement and **REPL** is the replication number of the enhancement.)

5.05 If the error is not an RTS generated error, then the previous format is used without the RTS ERR field.

5.06 Table E contains a list of the error codes printed on the DECwriter terminal, an explanation of each, and suggested actions.

5.07 The PC system diagnostic error codes are major software errors; and if one should occur, it should be referred to the SMM. The error code is printed in the following format on the DECwriter terminal:

MM/DD HH:MMXM

CRT = TASK= PC= ERRCODE=

Where:

CRT = identification of the CRT being used when the error occurred. Its format is a 3-digit identification of the synchronous interface (DU or DV number) followed by a 3-digit logical device number.

TASK = 3-character abbreviation of the task that scheduled the error manager.

PC = 6-digit program counter at the time the error condition occurred.

ERRCODE = 3-digit error code from the filing system or other system error codes.

6. TEST POSITION 52A ERROR MESSAGES

6.01 Error codes that are output to the TP 52A are displayed as 1-line error messages. The error message contains the error code, an optional

DECwriter terminal error code if an error message is also being printed on the DECwriter terminal, and the text of the error message.

6.02 The error messages displayed at the TP 52A are not always as explicit as those printed on the DECwriter terminal. Table F contains a list of error messages displayed at the TP 52A. It consists of the error codes, an explanation of each error, and suggested actions.

TABLE A		
CNC ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	SUGGESTED ACTION
1	INTERNAL CNC SOFTWARE ERROR, COULD NOT FIND POLLING BUFFER	Contact system maintenance manager (SMM).
2	INTERNAL CNC SOFTWARE ERROR, COULD NOT FIND RESPONSE BUFFER	Contact SMM.
3	INTERNAL CNC SOFTWARE ERROR, COULD NOT FIND TRANSACTION BUFFER	Contact SMM.
4	HARDWARE PROBLEM, STATION CLUSTER CONTROLLER NOT RESPONDING TO GENERAL POLL MESSAGE	Check synchronous hardware, modem, cables on line in question.
5	HARDWARE PROBLEM, TOO MANY LINE ERRORS OCCURRING DURING GENERAL POLL SEQUENCE	Check synchronous hardware, modem, cables on line in question.
6	HARDWARE PROBLEM, TOO MANY LINE ERRORS OCCURRING WHILE RECEIVING A DATA MESSAGE	Check synchronous hardware, modem, cables on line in question.
7	INTERNAL CNC SOFTWARE ERROR, CONTROLLER ID, DEVICE ID NOT RECOGNIZED BY THE STATION CLUSTER CONTROLLER	Contact SMM.
8	HARDWARE PROBLEM, INVALID MESSAGE TYPE RECEIVED FROM THE STATION CLUSTER CONTROLLER (NOT A DATA, STATUS, OR TEST REQUEST MESSAGE)	Check station cluster controller.
9	INTERNAL CNC SOFTWARE ERROR, COULD NOT FIND CONTROLLER ID IN LOGICAL LINE TABLE	Contact SMM.
10	INTERNAL CNC SOFTWARE ERROR, COULD NOT FIND DEVICE CONTROL BLOCK	Contact SMM.
11	HARDWARE OR INTERNAL CNC SOFTWARE ERROR, INVALID AID CODE RECEIVED FROM STATION CLUSTER CONTROLLER	Check station cluster controller, contact SMM.
12	HARDWARE PROBLEM, NOT ENOUGH CHARACTERS RECEIVED IN MESSAGE FROM CONTROLLER	Check station cluster controller.
13	INTERNAL CNC SOFTWARE ERROR, INVALID SCHEDULING ROUTINE ID	Contact SMM.
14	INTERNAL CNC SOFTWARE ERROR, COULD NOT SCHEDULE INTERFACE TASK	Contact SMM.
15	SOFTWARE ERROR, COULD NOT SCHEDULE APPLICATION TASK	Contact SMM.

TABLE A (Contd)		
CNC ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	SUGGESTED ACTION
16	INTERNAL CNC SOFTWARE ERROR, INVALID FORMAT SPECIFIER IN DEVICE CONTROL BLOCK	Contact SMM.
17	INTERNAL CNC SOFTWARE ERROR, BUFFER NOT BIG ENOUGH TO PROCESS DATA	Contact SMM.
18	INTERNAL CNC SOFTWARE ERROR, INVALID DESCRIPTION ADDRESS FOR DEVICE CONTROL BLOCK	Contact SMM.
19	INTERNAL CNC SOFTWARE ERROR, INVALID MODE OF OPERATION IN DEVICE CONTROL BLOCK	Contact SMM.
20	HARDWARE OR INTERNAL CNC SOFTWARE ERROR, ILLEGAL STATUS/SENSE BYTES RECEIVED FROM STATION CLUSTER CONTROLLER	Check station cluster controller, contact SMM.
21	HARDWARE PROBLEM, PRINTER IS OUT OF PAPER	Install paper in printer.
22	HARDWARE PROBLEM, PRINTER IS DISABLED	Fix, enable printer.
23	HARDWARE PROBLEM, DEVICE NOT RESPONDING TO CONTROLLER	Check device and controllers.
24	APPLICATION SOFTWARE ERROR, OPERATION CHECK, INVALID DATA IN OUTPUT BUFFER	Contact SMM.
25	APPLICATION SOFTWARE ERROR, COMMAND REJECT, INVALID COMMAND IN OUTPUT BUFFER	Contact SMM.
26	HARDWARE PROBLEM, TOO MANY LINE ERRORS OCCURRING DURING DEVICE SELECT SEQUENCE	Check synchronous hardware, modem, cables on line in question.
27	HARDWARE PROBLEM, STATION CLUSTER CONTROLLER NOT RESPONDING TO SELECT MESSAGE	Check synchronous hardware, modem, cables on line in question.
28	HARDWARE PROBLEM, STATION CLUSTER CONTROLLER NOT RESPONDING TO SELECT MESSAGE	Check device in question.
29	INTERNAL CNC SOFTWARE ERROR, INVALID SELECT ID SENT FOR A DEVICE	Contact SMM.

TABLE A (Contd)		
CNC ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	SUGGESTED ACTION
30	APPLICATION SOFTWARE ERROR, INVALID LOGICAL LINE NUMBER FOR ENTRY IN OUTPUT QUEUE	Contact SMM.
31	APPLICATION SOFTWARE ERROR, INVALID LOGICAL DEVICE NUMBER FOR ENTRY IN OUTPUT QUEUE	Contact SMM.
32	CNC SOFTWARE CLEANUP, MESSAGE FLUSHED FROM OUTPUT QUEUE	Contact SMM.
33	HARDWARE PROBLEM, DEVICE CHECK, DEVICE PARITY ERROR RECEIVED BY STATION CLUSTER CONTROLLER	Fix device cluster controller.
34	INTERNAL CNC SOFTWARE ERROR, ENTRY NOT FOUND IN OUTPUT QUEUE AFTER DEVICE SELECT	Contact SMM.
35	CNC SOFTWARE CLEANUP, MESSAGE FLUSHED FROM OUTPUT QUEUE (WAS IN QUEUE TOO LONG)	Contact SMM.
36	APPLICATION SOFTWARE ERROR, OUTPUT MESSAGE REJECTED BY CONTROLLER (CANNOT DELIVER MESSAGE)	Contact SMM.
37	APPLICATION SOFTWARE ERROR, OUTPUT MESSAGE REJECTED BY CONTROLLER (UNDELIVERABLE MESSAGE)	Contact SMM.
38	HARDWARE PROBLEM, WAIT ACKNOWLEDGMENT RECEIVED FROM THE CONTROLLER	Check device in question.
39	INTERNAL CNC SOFTWARE ERROR, CANNOT ADD ENTRY TO OUTPUT QUEUE	Contact SMM.
40	APPLICATION SOFTWARE ERROR, CANNOT TRANSFER OUTPUT FROM APPLICATION SOFTWARE TO CNC	Contact SMM.
41	INTERNAL CNC SOFTWARE ERROR, CANNOT FIND LINE CONTROL BLOCK	Contact SMM.
42	INTERNAL CNC SOFTWARE ERROR, CANNOT DO A STATUS CALL	Contact SMM.

TABLE A (Contd)		
CNC ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	SUGGESTED ACTION
43	INTERNAL CNC SOFTWARE ERROR, INVALID LOGICAL LINE NUMBER	Contact SMM.
44	INTERNAL CNC SOFTWARE ERROR, INVALID CMMAND TABLE ID IN DEVICE CONTROL BLOCK	Contact SMM.
45	INTERNAL CNC SOFTWARE ERROR, INVALID AID TABLE ID IN DEVICE CONTROL BLOCK	Contact SMM.
46	SOFTWARE ERROR, COULD NOT SCHEDULE "NOTIFY" TASK	Contact SMM.
47	INTERNAL CN SOFTWARE ERROR, INVALID NOTIFY TASK ID	Contact SMM.
48	INTERNAL CNC SOFTWARE ERROR, COULD NOT SCHEDULE DESPOOLER	Contact SMM.
49	APPLICATION SOFTWARE ERROR, COULD NOT CONVERT CNCs LOGICAL DEVICE NUMBER TO APPLICATION DEVICE NUMBER (NO ENTRY IN CCR TABLE)	Contact SMM.
50	APPLICATION SOFTWARE ERROR, COULD NOT CONVERT APPLICATION DEVICE NUMBER TO CNCs LOGICAL DEVICE NUMBER (NO ENTRY IN CCR TABLE)	Contact SMM.

TABLE B	
FATAL MESSAGE	
CODE	MESSAGE
0	A JUMP TO LOCATION 0 IN THE OPERATING SYSTEM
1	CPU ERROR (TRAP THROUGH LOCATION 4): HALT IN USER MODE ODD ADDRESS ERROR NONEXISTENT MEMORY (IN THE OS ONLY) STACK LIMIT VIOLATION (IN THE OS ONLY)
2	ILLEGAL OR RESERVED INSTRUCTION (TRAP THROUGH LOCATION 10)
5	POWER FAIL
10	SEGMENTATION ERROR CAUSED BY USER REFERENCING A LOCATION OUTSIDE THE LOAD MODULE
11	UNEXPECTED DEVICE INTERRUPT OR AN IOT IN USER SPACE
13	OPERATING SYSTEM FAILURE

TABLE C

INTER-PC ERROR MESSAGES

FORMAT	EXPLANATION AND SUGGESTED ACTION
<p>INTER-PC LINE XX XMIT ABORT ERROR Y</p> <p>Y=1</p> <p>Y=3</p> <p>Y=5</p>	<p>Foreign PC does not have the resources to handle the incoming message. This is indicative of a busy system. Retry.</p> <p>No response was received from the foreign PC. This could be caused by problems with the line or the foreign PC is down. Determine if the foreign PC is down and also check the line.</p> <p>The foreign PC could not understand the incoming message. This could be caused by a noisy line. Retry.</p>
<p>INTER-PC LINE XX EEEE/RRRR INPUT MSN SEQUENCE ERROR</p>	<p>The received message number is greater than the expected message number. The assumption is that a message has been lost. If an XMIT ABORT occurred on the foreign PC, then ignore this message. If the PC has just been booted up, ignore this message. If not, this could be a software bug. If no XMIT ABORT occurred on the foreign PC and PC has not just been booted up, then contact SMM.</p>
<p>INTER-PC LINE XX EEEE/RRRR INPUT MSN SEEN BEFORE</p>	<p>The expected message number is greater than the received message number. The assumption is that this is a duplicate message. The message is dropped and no action is necessary.</p>
<p>INTER-PC LINE XX EEEE/RRRR INPUT MSN SEVER ERROR</p>	<p>The 4-character sequence number could not be converted into binary. This is a software bug. Contact SMM.</p>
<p>INTER-PC LINE XX — OUTPUT MSN FAILURE</p>	<p>The sequence number is corrupted. This is a software bug. Contact SMM.</p>

TABLE D

FORMATS OF "DECwriter" TERMINAL ERROR MESSAGES

ERROR MESSAGES	EXPLANATIONS
<p>MM/DD HH:MMXM ERROR MESSAGE TEXT RTS ERR= RTS= SYS= SMAS= PORT= DL= CRT= or MM/DD HH:MMXM ERROR MESSAGE TEXT RTS ERR= RTS= SYS= SMAS= PORT= DL= ADL=</p>	<p>MM/DD HH:MMXM — month, day, hour, minute, and AM or PM. RTS ERR — 3-digit error code provided by far-end firmware. RTS — CLLI code of RTS which was accessed at the time the error was generated. SYS — 2-digit RTS number. SMAS — 5-digit SMAS number.</p>
<p>MM/DD HH:MMXM ERROR MESSAGE TEXT DL= TESTERS= RTS ID= RTS/PC CLLI=</p>	<p>PORT — 2-digit port number, if assigned during access. DL — The identification of the data line that was used when the RTS was accessed. The format of the identification is a 2-character line type followed by a 3-digit logical line number.</p>
<p>MM/DD HH:MMXM ERROR MESSAGE TEXT CRT#= TASK= PC= ERRCODE=</p>	<p>CRT — The identification of the CRT being used when the error occurred. The format of the identification is a 3-digit identification of the synchronous interface (the DU or DV number) followed by a 3-digit logical device number.</p>
<p>MM/DD HH:MMXM ERROR MESSAGE TEXT RTS= SYS= SMAS= PORT= DL= CRT= or MM/DD HH:MMXM ERROR MESSAGE TEXT RTS= SYS= SMAS= PORT= DL= ADL=</p>	<p>ADL — The identification of the alien data line which connects the RCs. Its format is the characters PC followed by the logical line number. FEATURE — An abbreviation of the enhancement. REPL — Replication number. TESTERS — 3-digit number indicating the number of active testers using the data line when the error was encountered.</p>
<p>MM/DD HH:MMXM ERROR MESSAGE TEXT RTS ERR= RTS= SYS= SMAS= PORT= DL= CRT= FEATURE= REPL= or MM/DD HH:MMXM ERROR MESSAGE TEXT RTS ERR= RTS= SYS= SMAS= PORT= DL= ADL= FEATURE= REPL=</p>	<p>RTS ID — 3-digit RTS id number indicating callback identification number of the RTS that was accessed. RTS/PC CLLI — 8-character RTS CLLI code or 11-character PC CLLI code. TASK — 3-character abbreviation of the task which scheduled the error manager (ie, LOG, 701, ERR). PC — 6-digit program counter at the time the error condition occurred. ERRCODE — 3-digit error code from the filing system or other system error codes.</p>

TABLE E

"DECwriter" TERMINAL ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
1	INVALID HEADER CODE INTER PC	The header code, the first character in every inter-PC message, is not correct. This is a software bug. Contact SMM.
2	RTS1 METER ERROR	An RTS failure has been received indicating an RTS meter failure.
3	INVD FOR TYPE LOAD CONDITION	The LPT command is invalid if 3-ringer or longitudinal load condition is applied.
4	NO PORTS AVAIL. PORT BLOCK IS CLEARED. ALL TESTERS MUST DISCONNECT	The port block in the RTS record is cleared and must be updated. When the number of testers on this RTS is 0, the port block will be updated. This error may also occur if there is a primary interrupt prior to the completion of the XH command. All testers on this RTS must disconnect.
5	ALL PORTS BUSY	All available ports on the RTS are in use. Retry.
6	NO INCOMING DATA LINE AVAIL FOR CALLBACK FROM RTS	If no incoming data line is available, the callup to the RTS will not be attempted. The error may be caused by a busy system. The 068 command can be used to check the number of lines in use. User may also just retry.
7	NO OUTGOING DATA LINE AVAIL FOR CALLUP TO RTS	RTS cannot be accessed at this time due to no available outgoing line. This may be caused by a busy system. The 068 command can be used to check the number of lines in use. User may also just retry.
8	RTS DID NOT RETURN CALL	There is a 60 second timeout on the call back from the RTS. This may mean either the RTS did not return the call (no incoming line was available, incorrect telephone number set in the RTS, etc) or the call was returned but due to incorrect identification was not recognized. There may also be a hardware problem. Check the telephone number set in the RTS. User may also just retry.
9	DIAL UP TO RTS DID NOT COMPLETE	This could be caused by a wrong telephone number or faulty equipment. Also, the RTS could still be looking at the private line. Check data and retry.
10*	UNABLE TO COMPLETE RTS ACCESS	—

*Not currently being used.

TABLE E (Contd)		
"DECwriter" TERMINAL ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
11*	MACRO INTERM RESPONSE RECEIVED OUT OF SYNC FROM TERM PC	An interim response that was received from the terminating PC was out of synchronization. This indicates that one or more responses were lost. The macro will terminate. Retry.
12	RTS PORT HARDWARE DID NOT PROPERLY DISC. PORT STATE IS UNKNOWN	The RTS was directed to disconnect, but a failure code was received. This could be a hardware problem with the RTS. Tester is disconnected from the RTS in software. Check RTS.
13	DIAL TONE NOT DETECTED	Returned in outpulsing sequences which attempt to detect dial tone prior to outpulsing. This may result from failure of circuit under test to generate required start dial signal. For maintenance applications, indicative of a fault in either RTP or RTS controller detection sequence. Retry.
14	ERROR CODE RECEIVED FROM FECC UNKNOWN	An unknown error code was received by the error manager. This is a software bug. Contact SMM.
15	TP LEFT TERMINATED	After a disconnect from the T&L command, the access point was left in a terminated state.
16	TP LEFT UNTERMINATED	The access point has been left in an unterminated state after the disconnect from the T&L command.
17	TP LEFT IN INKNOWN T&L STATE	The access point has been left in an unknown state after the disconnect from the T&L command. This could be caused by a PC-RTS link failure.
18	LINE ERROR WHILE XMITTING XU	There was a problem with the line while trying to transmit the XU command. It could be a problem with line parity or hardware, or a timeout on the RTS not accepting the XU command. Retry.
19	MACRO LOG BUFFER UNAVAILABLE	Unable to get log buffer needed by the macro. This is probably due to a busy system. The macro command will not be executed. Retry.
20*	SMAS ACCESS FAILED	—
22	PVT DATA LINE FAILURE. ACCESS VIA DDD BACKUP	The PC was unable to access the RTS via the private data line. The PC will automatically switch to DDD access. Check the private data line.

*Not currently being used.

TABLE E (Contd)

"DECwriter" TERMINAL ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
23	PORT TO WHICH COMMAND DIRECTED IS NOT REMOTE PORT	Terminate command.
24	REMOTE PORT TO WHICH COMMAND DIRECTED LOCALLY MADE BUSY	The port has been taken out of service manually. It can be reactivated by an 041 command with a forced port option or a request port option. Use 041 command with a forced port option or a request port option.
25*	CMD DIRECTED FECC TO OBTAIN SMAS ACCESS TO A CONNECTOR GROUP HIGHER THAN MACHINES CAPABILITY	—
26*	COMMAND DIRECTED FECC TO ACCESS BUSY CONNECTOR GROUP	—
27	COMMAND DIRECTED FECC TO ACCESS BUSY CONNECTOR GROUP	An access point in the connector group has already been accessed. Only one access point per connector group may be active at any one time. Retry.
28	SMAS FAILED TO ACK RECEIPT OF ADDRESS	This could be a problem with the RTS. Retry.
29	COMMAND DIRECTED FECC TO ACCESS NON EQUIPPED GROUP	An attempt was made to access a connector group which is not equipped.
30	CKT FECC DIRECTED TO ACCESS FAILED CONTINUITY CHECK TWICE	The continuity check on the access point conductors between the RTP and the access point failed twice. Check SMAS.
31*	PROBABLE DEFECTIVE CONTINUITY CHECK CKTRY IN SMAS	—
32*	RTS CONTROLLER FAILED TO RECEIPT FOR 4-DIGIT INSTRUCTION CODE	—
33*	NO DATA RECEIVED FROM METER WITHIN 5 SEC	—
34*	METER DATA RECEIVED BY FECC BUT CONTAINED FRAME ERROR	—

*Not currently being used.

TABLE E (Contd)		
"DECwriter" TERMINAL ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
35*	METER DATA RECEIVED BY FECC BUT CONTAINED FORMAT ERROR	—
36*	METER DATA RECEIVED BY FECC BUT CONTAINED FORMAT ERROR	—
37*	FECC DIRECTED TO GIVE ON LINE CMD AND TFCC DID NOT REPORT BACK WITHIN 40 SEC	—
38*	TFCC HAD PROB IN EXECUTING CMD BUT REPORTED TO FECC WITHIN 40 SEC	—
39*	FECC WAS DIRECTED TO DISCONNECT PORT ACCESSED TO CONNECTOR GROUP	—
41	SMP POSITION FORCED PORT FROM THIS POSITION	An 041 command was executed at the SMP forcing tester off specified port.
42	PVT LINE DOWN NO DDD BACKUP	The PC was unable to access the RTS via the private data line. There is no DDD backup.
43*	INVLD SITE DEPENDENT DATA	
44	MNTCE CONN MUST BE MANUALLY RESTORED	This is an alarm condition that must be manually restored. This could be caused by a hardware failure. Notify SMM.
45	RTS NOT EQUIPPED WITH PORTS	This is a response to an XH command. The RTS may be in an installation stage. Try to reaccess; notify SMM.
*Not currently being used.		

TABLE E (Contd)

"DECwriter" TERMINAL ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
46	GETMEM ERROR	This is indicative of a busy system. The tester's display was lost, however, he may continue testing. Retry; notify SMM.
47*	NO INCOMING DATA LINE AVAIL FOR CALLBACK FROM PC	—
48	LINE TO ALIEN RTS DOWN. TESTER LINKAGE TO TERM PC IS RETAINED. MUST DISC OR REACC	The line from the foreign PC to the RTS is down. The tester must disconnect or reaccess the RTS. Disconnect or reaccess.
49	TEST POINT TIMED OUT WAITING FOR COMPLETION FROM TERM PC	A timeout occurred while waiting for completion of command from a foreign PC. Retry.
50	REQUESTED RESOURCE UNEQUIPPED	The requested enhancement is unequipped. It could be caused by a hardware fault preventing the enhancement from reporting its equipage; the enhancement circuit is missing or a failure to reinitialize via the XT or XK command.
51	REQUESTED RESOURCE BUSY	The requested resource is busy. This may mean a busy system or an XY maintenance command was executed. Retry.
52	REQUESTED RESOURCE MAINTENANCE BUSY	The requested resource has been made to look busy for maintenance purposes by an XV or XZ command. Use XW command if made busy by XV command. Use XZ with 00 argument if made busy with XZ command.
53	REMOTE TEST PORT HAS INCOMPATIBLE RESOURCE ALLOCATED	A resource was requested without the release of a previously allocated resource. This could be a software bug if resource is supposed to be released automatically. Release previously allocated resource.
*Not currently being used.		

TABLE E (Contd)		
"DECwriter" TERMINAL ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
54	NO DIAL TONE	Unable to detect dial tone when attempting to link to ADTC or DTS. It could be that all the lines are busy. Retry.
55	MAX USERS ON INTER PC LINE	The maximum number of users across the inter-PC link has been reached. Retry.
56	SMP POSITION ISSUED AN INTER PC LINE XMIT ABORT	An 066 command was issued from the SMP.
57	TPCSB ADDRESS NOT VALID INTER PC	The address of the control block, contained in all inter-PC messages, is not valid. This is a software bug, which is probably on the transmitting side. Contact SMM.
58	TPCSB ADDRESS NOT IN VALID RANGE INTER PC	The address of the control block, contained in all inter-PC messages, is not valid. This is a software bug, which is probably on the transmitting side. Contact SMM.
59	SOURCE ADDRESS DESTINATION ADDRESS LINKAGE ERROR INTER PC	The address of the transmitting side control block, stored in the control block of the receiving PC, does not agree with the address of the transmitting side control block in the header. This could be a software bug on the transmitting end. It is more likely some sort of disruption in service at the receiving end. Check the receiving PC for a primary interrupt, timeout, or some sort of recovery.
60	PCSB TPCSB LINKAGE ERROR INTER PC	The address of the destination control block in the inter-PC message does not agree with the address stored in the receiving end control block. This is a software bug. Contact SMM.
61	INVALID COMMAND NESTING LEVEL INTER PC	This is a software bug. Contact SMM.
62	SEQUENCE NUMBER ERROR INTER PC	The sequence number received is not the number expected. This could be caused by some recovery procedure on the originating side.

TABLE E (Contd)

"DECwriter" TERMINAL ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
63	INVALID INTER PC APPLICATION KEY	The application key, a character in every inter-PC message, is not valid. This is a software bug. Contact SMM.
64	INCONSISTENT PENDING FLAGS INTER PC	The PC is receiving a completion that is not expected. This could be caused by some sort of recovery. Check the receiving PC for some sort of recovery.
66	INTER PC LOGICAL LINE NO. FOR RECEIVED MESSAGE NOT IN 013 TABLE	This is a site dependent data error. Check site dependent data.
67	INTER PC LOGICAL LINE NO. NOT IN PCTAB	This is a software bug. Contact SMM.
68	FAILURE TO DETECT ANSWER BACK TONE	No tone was received from the ADTS machine. Check with the Data Test Center.
69	FAILURE TO SYNCHRONIZE DDS RECEIVER	The DDS receiver is unable to synchronize on the incoming pseudo-random data signal. This is a hardware failure.
70	MJU ANSWER BACK SIGNAL ERROR	The DDS receive circuits fail to detect the proper answer back signal during either an MJU branch selection or an MJU branch block sequence. This is a hardware failure.
71	SIGNAL OUT OF RANGE	The P/AR and NLD test enhancements will generate this error code whenever the received signal level is out of range. This may be caused by incorrect specification of the circuit transmission or a fault in the circuit under test. For maintenance applications, this is indicative of a hardware fault in the P/AR enhancement.
72	NO SIGNAL ACQUISITION	The P/AR, NLD, and phase jitter enhancements generate this message, and it indicates that there was no signal to measure.

TABLE E (Contd)		
"DECwriter" TERMINAL ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
73*	INCOMING PC CALL DO NOT RECOGNIZE PC CLLI CODES	—
74	HARASS CALL ON INCOMING LINE NO MESSAGE RECEIVED	A call received on an RTS incoming line either contained no message or the message was not understood. This could be a problem with the RTS or the dialup did not complete correctly.
77*	ERROR CODE 4 ON BAC CONTROLLED LINE WHILE SETUP OR HANGUP	—
78*	NO OUTGOING LINE AVAILABLE FOR CALL BACK TO PC	—
79*	INCOMING CALL. NOT WAITING FOR CALL FROM THIS PC	—
81	HARDWARE FAILURE	Check RTS hardware.
83	SYS CLOCK IS NOW STOPPED PLEASE ENTER TIME AND DATE	The 062 command has been used. Reenter time and date. Enter time and date.
84	NOT WAITING FOR CALL FROM THIS RTS	This could be a software or hardware problem. The most likely cause is an attempt to dial up an RTS timed out so that the response from the RTS was not recognized.
85	CALL SETUP NOT REQUESTED BY TESTER	This is a software bug. Contact SMM.
86	TABLES ARE FULL. PLEASE RETRY	All control blocks have been allocated. This is indicative of a busy system. Retry.
87	TIMED OUT WAITING FOR FE ACK. LINE IS DOWN	This could be a hardware or software problem. Check the data set, the lines between the controller and the data set and the line between the far end and the near end. Retry.
*Not currently being used.		

TABLE E (Contd)

"DECwriter" TERMINAL ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
88	TIMED OUT WAITING FOR FE RESPONSE. LINE IS DOWN	This could be a hardware or software problem. Retry.
89	RTS IS BEING HARASSED	The RTS received a call without valid data. This could be a software or hardware problem.
90	LINE ERROR WHILE TRYING TO XMIT XO OR XH	Either a timeout occurred or there was a NACK on the message while trying to transmit an XO or XH command. Retry.
91	NO BUFFER AVAIL IN FEM LINE TO RTS IS FORCED ON HOOK	The FEM handles the communication between the RTS and the PC. This could be a software bug. Retry.
92	RTS NACKED THE MSG. LINE IS FORCED ON HOOK	The RTS received a message which did not have proper syntax. This could be a software or hardware problem. A line monitor can be used to check what is actually on the line. Retry.
93	PRIMARY INTERRUPT ISSUED FROM RTS	The RTS is reinitializing. All users are disconnected from the RTS. Reaccess the RTS.
94	LOGICAL LINE NOT IN LINTAB. PLEASE CHECK 008 DATA	During the 014 command, there is a cross check to see if the line entered in 012 or 013 table exists in the 008 table. Recheck.
95	INTER PC LINE FAILURE, ALL ORIG AND TERM TESTERS ARE RECOVERED	If there are two transmit aborts across the inter-PC link within one minute, testers are disconnected and must either disconnect or reaccess. Disconnect or reaccess.
96	BUFFER ALLOCATION ERROR IN FIN	This is a software problem. Contact SMM.
97	SIGNAL DROPOUT	The NLD enhancement returns this error code. It indicates the absence of a holding tone or the loss of a holding tone during the measurement interval. Retry.
98	SIGNAL TWIST	The NLD enhancement returns this error code if the level difference between the lower and upper pair of tones is greater than 6 dB. Retry.

TABLE E (Contd)		
"DECwriter" TERMINAL ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
99	SPURIOUS TONE	The NLD detector detects a spurious tone approaching the level of the test tones. Retry.
100	SCHEDULE ERRORS	The OS schedule call failed. This is a software bug. Contact SMM.
101	SHARE OR TRANSFER ERROR	This is a software bug. Contact SMM.
102	DISC IO READ ERROR	This is a software or hardware error. Contact SMM.
103	DISC IO WRITE ERROR	This is a software or hardware error. Contact SMM.
104	FILING SYSTEM ERROR	This is a software or hardware error. Contact SMM.
105	SYSTEM ERROR	This is a software bug. Contact SMM.
106	ALARM FAILURE	—
107	BAD DATA ON STACK SCHEDULED WITH BAD DATA	This is a software bug. Contact SMM.
108	GLOBAL FLAG NOT ALLOCATED	This is a software bug. Contact SMM.
109	GETMEM ERROR	A chunk of memory was not available. This could be due to a busy system. Retry.
110	TPCSB DATA NOT VALID	This is a software bug. Contact SMM.
111	FAIL TO SCHED TASK AFTER FE RESPONSE	—
112	MSG FOR FE EXCEEDS MAX LIMITS	This is a software bug. Contact SMM.
113	LINE TABLE OVERFLOW	Too many outgoing lines specified in the 008 table.
114	PCS TABLE OVERFLOW	Too many entries in the 011 table.
115	RTS TABLE OVERFLOW	Too many RTSs specified in the 013 table.

TABLE E (Contd)

"DECwriter" TERMINAL ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
116	ILLEGAL ALIEN PC	On 014/2 command, during a cross check between the alternate site dependent data and the PC table already in core, a discrepancy was discovered.
117	COMPLETION DATA FROM FAR-END NOT VALID	An unrecognizable response was received over the inter-PC link.
118	COMMAND FAILED SYNTAX CHECK AT TERMINATING END	This is a software bug. Contact SMM.
119	PROCESSORS MAY BE OUT OF SYNC. CHECK 068 AND EXECUTE 066 AS REQUIRED.	This was due to a timeout during a 701 command. Use an 068 command to check that both sides show the same number of users. If necessary, clean up with an 068 command. Check by using 068 command. Use 066 command if necessary.
120	FEM WAS SCHED WITH BAD DATA. ALL TESTERS ON GIVEN RTS HAS BEEN CLEARED	This is a result of a software bug. The FEM was scheduled with bad data and an attempt is being made to clean up the system by clearing all lines to the RTS.
121	RTS SYNC PROBLEM. ALL TESTERS ON GIVEN RTS HAVE BEEN CLEARED. FORCE PI AT RTS FRAME	This is a software or hardware problem. A primary interrupt (PI) should be forced at the RTS frame. Force PI at RTS frame.
122	INCORRECT TEST SIGNAL	The NLD enhancement reports this error code if the NLD detector reports either a 4-tone signal detected when in S/N mode or a 2-tone signal detected in NLD mode. This could be caused by a craft at a remote location sending an incorrect signal to the RTS.
123	DLI FAILURE	There is an RTS-DLI communication error, syntax error from the DLI, or timeout from RTS.
124	DLI BUSY	The data link interface between DRCS and the RTS was reset. Retry.
125	DLI RESET	The data link interface between DACS and the RTS was reset. Reaccess.
126	SPCS DATA LINK FAILURE	There was a data link failure between the RTS and DACS. Retry or contact SMM.

TABLE E (Contd)		
"DECwriter" TERMINAL ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
127	NO SPCS RESPONSE	There was no response from DACS. There was probably a problem with the link between the RTS and DACS. Contact SMM.
128	SPCS OVERLOADED	The link between the RTS and DACS is overloaded. Retry.

TABLE F

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
1	CKT MUST BE 4W	The sequence of commands entered must be on a 4W circuit. Use 701 command to set 4W circuit.
2	CKT NOT IN SND STATE	An attempt was made to increase the level but no tone is currently on. Use T01 command to send tone.
3	CKT NOT IN LISTEN STATE	An attempt was made to increase the level but not currently in listen state. Use H12 command to put in listen state.
4	CKT NOT IN MON LISTEN	An attempt was made to increase the level but not currently in monitor listen state. Use H11 command to put in monitor listen state.
5	SYSTEM ERROR	An unexpected system problem was encountered. Retry.
6	LEV TOO LOW FOR TLP	The level has been set too low for the TLP. The level must be between -39 dB and +10 dB. Adjust.
7	PTR ASGNMT ERR	The internal printer assignment table has not been initialized. Use 003 command to initialize printer assignment table.
8	RSTD SARTS	An attempt was made to execute a maintenance command from a nonmaintenance position. Execute command from a maintenance position.
9	CKT NOT IN TLK STATES	In order to use command entered, TP must be in talk state. Use H12 command to put in talk state.
10	SVD TP NO DEFINED, NO INTCHG	—
11	LOG OFF 1ST to CLR POS	User is already logged on. Two log on requests cannot be issued.
12	DIRY INIT ERR	There is an error in the site dependent data. Check site dependent data.
13	701 THEN 702 OR 703 MUST BE ENTERED	The RTS must be accessed before any other commands can be entered. Enter 701 then 702 or 703 command.
14	MAX GAIN GIVEN	The maximum level adjustment has been reached.

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
15	MIN GAIN GIVEN	The minimum level adjustment has been reached.
16	LEV TOO HIGH FOR TLP	The level has been set too high for the TLP. The level must be between -39 dB and +10 dB.
17	VTG TST NOT MADE	—
18	SYNTAX ERR. REENT	There was an error in the syntax of the command. Check syntax of command and retry.
19	TLP NOT SPEC	The TLP was not specified. Enter the 703 command to specify TLP and retry.
20	LOG IN	User is not logged in. Log in.
21	INVD TEL NO.	An invalid character was entered in the telephone number field. Enter correctly and retry.
22	INVD PULS SPD	An invalid character was entered in the pulse speed field. Enter correctly and retry.
23	INVD PCT BRK	An invalid character was entered in the percent break field. Enter correctly and retry.
24*	RTS DIRY OVFL	—
25	DIRY LOCKED	The 014 command may not be used again after the successful completion of the 014 command. The system must be rebooted in order to change the site dependent data.
26	TLPA OUT OF RNG	The monitor settings of TLPA must be between -25 dB and +10 dB. The TLPA range for sending tones is between -29 dB and +10 dB. Adjust.
27	TLPZ OUT OF RNG	The monitor settings of TLPZ must be between -25 dB and +10 dB. The TLPZ range for sending tones is between -29 dB and +10 dB. Adjust.
*Not currently being used.		

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
28	INVD SARTS COM	Command entered not found in command table.
29	CKT MUST BE SX TST DIRN	Circuit must be in SX test direction. Use G01 command and choose SX option.
30	LOG OFF IN PROG	Tester must wait for log off to complete before signing on. Wait for log off to complete and then sign on.
31	FLD 1 ERR	There is an error in field 1. Check field 1 and retry.
32	FLD 2 ERR	There is an error in field 2. Check field 2 and retry.
33	FLD 3 ERR	There is an error in field 3. Check field 3 and retry.
34	FLD 4 ERR	There is an error in field 4. Check field 4 and retry.
35	FLD 5 ERR	There is an error in field 5. Check field 5 and retry.
36	FLD 6 ERR	There is an error in field 6. Check field 6 and retry.
37	FLD 7 ERR	There is an error in field 7. Check field 7 and retry.
38	TLPA KYG ERR	There is an error in TLPA field. Check format of TLPA field and retry.
39	TLPZ KYG ERR	There is an error in the TLPZ field. Check format of TLPZ field and retry.
40	NO ACT TP. END G02	No active test points were found which indicates both test points are invalid. This indicates a system error. Contact SMM.
41	SIG FRMT ERR	The signal format is not valid for the command entered. Use the 703 command to change the signal format field and retry.
42	SIG OP TWRD A ERR	The signal operation is not valid for the command entered. Use the 703 command to change the signal operation field and retry.

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
43	SIG OP TWRD Z ERR	The signal operation entered is not valid for the command entered. Use the 703 command to change the signal operation and retry.
44	RING DIR ERR	There is an error in the ring direction field. Check the ring field and retry.
45	IMP CODE ERR	There is an error in the impedance field. Check the impedance field and retry.
46	CKT NOT SENDING 2600 HZ	In order to use the 507 command, there must be a 2600-Hz tone on the circuit. Put 2600-Hz tone on the circuit and retry.
47*	OVRD NOT VD	—
48	ORIENTATION CODE ERR	There is an error in the orientation code field. Check orientation field and retry.
49*	INVD LEV	—
50	INVD COM FOR SX CNFGN	The command entered is invalid for simplex configuration. Check requirements for the command.
51	TST DIRN ERR	The test direction is not valid for the command entered. Check the test direction and retry.
52	CNFNG CODE ERROR	The configuration code is not valid for the command entered. Check configuration field and retry.
53	IMPROP CALL HOLDING COND	An off-hook condition is required but is not on the circuit.
54	CKT NOT IN TLK STA	In order to use command entered, TP must be in talk state. Use H12 command to put in talk state.
55	YOUR POSITION IS NOT VALID	This CRT is invalid. No entry could be found for this CRT in the 011 table.
56	TBLS ARE FULL. PLEASE RETRY	All control blocks have been allocated. This is indicative of a busy system. Retry.
57	DISC OR ENT 701 FOR ACT TP	A release flag has been set by recovery and access must be reestablished or disconnected. Reaccess or disconnect.
*Not currently being used.		

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
58	TP IS WTG FOR FE RSPNS	A pending flag has been set. Command entered is invalid at present time.
59*	TIME OUT	—
60*	TPCSB DOES NOT EXIST	—
61*	BAD COMMAND	—
62	CKT IS NOT SPLT OPN	Circuit is not split open. Use L06 or S06 command to split open circuit.
63	CKT IS NOT SPLIT	Circuit is not split open. Use L01 command to split circuit.
64	TST DIRN MUST BE F	Test direction must be towards the facility. Use G02 command to set test direction to F.
65	TAPE HARDWARE ERROR	An error was detected while reading or writing site dependent data. This is a hardware error. Contact SMM.
66	ORIENT AND CNFGN CODES CNFCT	There is a conflict between the orientation code and the configuration code. Check orientation and configuration fields in 701 command.
67	UTILITY PREMATURELY TERMINATED	The print, statistics, or file utility has been prematurely terminated.
68	INVLD TP	Terminal not listed in 014 table. Check site dependent data.
69	COM INVLD FOR THIS ACC CONFGN CODE	The command entered is not valid for the configuration specified in the 701 command. Check configuration required for this command.
70	RTS UNKN	The RTS specified in the 701 or 041 command is not in the 012 or 013 table. Check RTS identification.
71	INVLD SYMBOL IN LOCN OR SYS	There is an invalid symbol in the location or system fields of the 701 command. Check location and system fields and retry.
72	MON OR TLK ERR. ENT G07 TO ESTAB	Monitor or talk line not established. Use G07 command to establish.
73	COM FAIL. ENT G09 TO RST TP	Command failed. Enter G09 to restore to original access. Enter G09 command and retry.
74*	PROC FAIL. TP UNUSBL	—

*Not currently being used.

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
75	PROC FAIL. RETRY	There was a processor failure. This could be caused by many different conditions. Check DECwriter terminal for a more explicit message. Retry.
76	RTS BSY. RETRY	The RTS could not be accessed. This is indicative of a busy system. Retry.
77	ALL PORTS BSY	There are no ports available at this time. This is indicative of a busy system. Retry.
78*	BSY COND. RETRY	—
79	UNABLE TO ACC RTS	The RTS could not be accessed via dial up. This could mean there is a problem with the line. Retry.
80*	DL ERR. RETRY OR DISC TP	—
81	NO PORTS AVAIL. PLEASE DISCONNECT VIA G2 CMD	There are no ports available for testing. Use G02 command to disconnect.
82	RTS MADE UNAVAIL	The RTS was made unavailable locally.
83	RTS CLRD. DISC TP OR REACT	As a result of a primary interrupt, the RTS was cleared. Disconnect or reaccess.
84	ST DL SIG NOT DETECTED	Unable to detect dial tone during attempt to set up talk monitor line. Retry.
85	PROC ERR. DISC TP	The port number was not recognized during attempt to set up talk monitor line. This is a software bug. Contact SMM.
86	PORT MADE BSY. DISC TP OR REACT	The port has been taken out of service manually. It can be reactivated by an 041 command with a forced port option or a requested port option. Use the 041 command with a forced port option or a requested port option.
87	INVD SMAS NO	The SMAS number in the command was higher than the machine capability or the command tried to access a nonequipped access point. Check SMAS number.
*Not currently being used.		

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
88	SMAS CONN BSY. DISCONNECT PORT OR REACCESS	Another port has already accessed an access point in the connector group. Retry.
89	SMAS ACC FAIL	The continuity check across the access point failed.
90*	METER ERROR. PORT COND UNKN. EXEC G09	—
91*	ERR RCVD. PORT COND UNKN	—
92*	RTS ACC FAIL. DISC TP	—
93	ACC VIA DDD	Private line to RTS failed. Access will be attempted via DDD.
94	PORT IN USE	The specified port is busy. Retry.
95	PORT WILL BE TAKEN BY SMP POSN. PLS DISC TP	This is a warning message. Please disconnect. Disconnect.
96	PORT NOT AVAIL	The port specified in the 041 command is not equipped.
97	PORT TAKEN BY SMP POSN, REACCESS OR DISC	This is an informational message. Disconnect or reaccess.
98*	SMAS ACC COMPL	—
99*	PLS DISC PORT	—
100*	INTER PC ERR	—
101	NO MORE RCDS AVAIL	The maximum number of access point data records has been added to the file. Delete unused records from file and retry.
102	FILE LOCKED	An attempt was made to change circuit and test point count in the data base without the password. Retry using the password.
*Not currently being used.		

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
103	DISK IO ERROR	There was a problem with a read or write to the disk. This is a hardware problem.
104	PG OR LN NO TOO HIGH	The number in the line-page field in the 130 command is too large. Correct the line-page field and retry.
105	FILING SYSTEM ERROR	There was a problem with the filing system. Check the filing system error number.
106	TP DOES NOT EXIST	There was an error in the TP# field. Check the TP# field and retry.
107	CKT ID NOT UNQ	The identification for the circuit was not complete enough to be unique. Enter more complete circuit identification and retry.
108*	RLSE DISCO TP 1ST BF EXEC THIS	—
109	CLOBRD DISK DATA	Notify SMM.
110	NEED TWO ACCESS POINTS	Two access points are needed for the command just entered.
111	MAX NO OF CKT OR TP ALWD	No more circuits can be added with the 073 command.
112*	EST MON LINE 1ST	—
113	TP NUMBERS DO NOT MATCH	There is an error in the TP# field. Check the TP# field and retry.
114	COM DSBLD	An attempt to do an access point command failed, because the option had been turned off.
115	INVD FOR TYPE ACC POINTS	The command entered cannot be done for this type access point.
116	INVD FLD 1 CHOICE FOR TYPE ACC POINT	There is an error in field 1. Check field 1 and retry.
117	INVD FLD 2 CHOICE FOR TYPE ACC POINT	There is an error in field 2. Check field 2 and retry.
118	INVD FLD 3 CHOICE FOR TYPE ACC POINT	There is an error in field 3. Check field 3 and retry.
*Not currently being used.		

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
119	DISK OPTION TURNED OFF AT PRESENT TIME	The access point command option is turned off.
120	RTS IN RECOVERY RETRY	Either a primary interrupt was issued or there was a line failure. Retry.
121	MUST ACCESS RTS BEFORE 045 CMD	The RTS must be accessed before the 045 command can be used. Use 701 or 041 command to access RTS and then the 045 command
122*	PVT LINE DOWN – NO DDD BACKUP	—
123*	INVLD SITE DEPENDENT DATA	—
124	DISK OPTION TURNED OFF	The disk option is not on. The access point data has been made unavailable by the 074 command so that the data base commands are temporarily invalid.
125	REC CONTAINS INVLD DATA	—
126	LINE TO RTS DOWN. REACC	The line to the RTS went down. Reaccess the RTS.
127	ENTER 041 BEFORE MNCE STRINGS	The RTS must be accessed using the 041 command before maintenance strings are sent. Enter the 041 command and retry.
128	MNCE CONN IN ALM CONDITION	This is an alarm condition that must be manually restored. It could be caused by a hardware failure. Manually restore.
129	DISK OPTION NOT AVAILABLE	System was not generated with access point data so data base commands are invalid.
130	CMD ILLEGAL FOR ALIEN RTS	The command entered cannot be sent over the inter-PC link to an alien RTS.
131	LINE TABLE OVERFLOW	Too many outgoing lines have been entered using the 014 command.
*Not currently being used.		

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
132*	TEST DIRECTORY OVERFLOW	—
133	INVALID RECORD NUMBER	There is an error in the record field. Check record field and retry.
134	INVLD FILE NAME	There is an error in the file name field. Check file name field and retry.
135	REC NO. AND RANGE SHOULD BE 6 OCT DIGITS	Correct the record number and range field and retry. The number in the record number and range field must be six octal digits.
136	REC TOO LARGE FOR CRTS	The records requested are too large to be displayed on the CRT.
137	MUST D01 FIRST	A D01 command must be entered before any other D commands. Enter the D01 command and retry.
138	ONE RECORD TOO LARGE FOR CRT	One of the records requested is too large to be displayed on the CRT.
139	RTS NOT EQUIPPED	The RTS is not equipped. It may be in an installation stage.
140	RTS IN RECOVERY. RETRY	A primary interrupt was issued or there was a line failure. Retry.
141*	SYS PROB IN ESTAB TLK OR MON LINE. ENT G07	—
142	PEG COUNT REQUEST INVALID	A peg count request is already in progress. Retry.
143*	ERROR. CHECK DECWRITER FOR DETAILS	—
144	ILLEGAL LOGICAL LINE NAME IN 008. FIX AND REBOOT	Examine data in 008 table, fix, and reboot.
145	TLPS NOT AVAILABLE ENTER IN 703 COM	The TLPs were not entered. Reenter the 703 command with the TLP fields filled. Then retry.
*Not currently being used.		

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
146	CKT DOES NOT EXIST	An attempt was made to delete a circuit, display a test point on a circuit, or add a test point on a circuit which does not exist. Check data. Enter 130 command and type in telephone number or serial number.
147	ALREADY LOGGING OFF.	Log off is in progress. All commands are invalid during a log off operation.
148	SYS IN BACKUP. SWITCH TO PRIMARY AND TRY AGAIN.	System is already in backup. Use the 064 command to switch operating modes.
149	ALT PCS ACTIVE. CHANGE TO PRIMARY DENIED	Cannot switch to primary while any alternate testers still logged on.
150*	ENTER D01 FIRST	—
151	NO COMMAND IN PROGRESS	The nested command attempted is invalid since no command is in progress.
152	UPDATE OR ABORT IN PROGRESS	A nested command is already in progress. Only one level of nesting is allowed.
153	COMMAND MAY NOT BE UPDATED	The command in progress cannot be updated. It is not a long-term command.
154	AP FILE BUSY. TRY AGAIN	The data base cannot be accessed while it is being updated. Retry.
155*	REPLICATION NOT SPECIFIED. DO 026	—
156	IMPROPER TRANSMIT RECEIVE CONDITION	Tester selected choice 2 in field 2 of D03 command. If E side selected, then transmitter must be on B pair, E side and receiver must be on B pair, F side. If F side selected, then transmitter must be on A pair, F side and receiver must be on A pair, E side. Correct transmit receive condition.
157	BYTE PATTERN NOT ALLOWED	Cannot select either 01010000 or 00011110 byte patterns for field 2 in the D06 command. Correct and retry.
*Not currently being used.		

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
158	TLPA OR TLPZ KYG ERROR	There is a bad character in the TLPA or TLPZ field. Correct and retry.
159	CIRCUIT ALREADY EXISTS	An attempt was made to use the 073 command to add a circuit which already existed.
160	TP ALREADY EXISTS	An attempt was made to use the 073 command to add a test point which already existed.
161	PORT HELD BY THIS POSITION. REQUEST DENIED	Port is already being held by this test position.
162	SMP POSN NOT IN 011 MASK. ENTER AND RETRY	SMP position specified at bootup not in 011 table. Enter in 011 table and retry.
163	TESTER HOLDING PORT IS WAITING FOR FE RESPONSE. RETRY	The tester holding the port has a test in progress. Tester cannot be forced off port until test completed. Retry.
164	SYSTEM INITIALIZATION NOT COMPLETE	Logon is not allowed until the 014 has been completed. This includes both the local and the foreign PC. Retry.
165	NO MULTIPT SELD	An attempt was made to clear or block an MJU branch with the D10 command; however, if the E side was selected, no transmitter should be on the B pair, E side and if the F side was selected, no transmitter should be on the A pair, F side.
166	REQUESTED RESOURCE UNEQUIPPED	The requested enhancement is not equipped.
167	REQUESTED RESOURCE BUSY	The requested resource is busy. Retry.
168	REQUESTED RESOURCE MTCE BUSY	The requested resource has been made to look busy for maintenance purposes.

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
169	RTS HAS INCOMPATIBLE RESOURCE ALLOCATED.	A resource was requested without the release of a previously allocated resource. This could be a software bug if the resource is supposed to be released automatically. Release previously allocated resource.
170	FAILURE TO DETECT ANSWER BACK TONE	No tone was received from the ADTS machine. Check with the Data Test Center.
171	FAILURE TO SYNC DDS RCVR	This is a hardware failure. The DDS receive circuits are unable to synchronize the incoming pseudo random data signal.
172	MJU ANSWER BACK SIGNAL ERROR	This is a hardware failure.
173	SIGNAL OUT OF RANGE	The P/AR and NLD test enhancements generate this error when the signal level is out of the specified range. This could be a fault in the circuit or in the specification for transmissions over the circuit.
174	NO SIGNAL ACQUISITION	This error is generated by the P/AR, NLD, or phase jitter test enhancement and indicates that there was no signal to measure.
175	SIGNAL DROPOUT	The NLD enhancement returns this error. It indicates the absence of a holding tone or the loss of a holding tone during the measurement interval. Retry.
176	SIGNAL TWIST	The NLD enhancement returns this error if the level difference between the lower and upper tones is >6 dB. Retry.
177	SPURIOUS TONE	This error is returned if the NLD detector detects a spurious tone approaching the level of the test tones. Retry.
178	INCORRECT TEST SIGNAL	An incorrect signal was reported by the NLD detector. This could be caused by craft at a remote location sending an incorrect signal. Retry.

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
179	FS READ ERROR	This is a disk read error. It could be a hardware error. Check that the disk is properly loaded.
180	FS WRITE ERROR	This is a disk write error. It could be a hardware error. Check that the disk is properly loaded.
181	DO 702 FIRST THEN 703	If the TST option is selected, a 702 command must be done before the 703 command. Enter 702 then 703 commands.
182	G10 HAS BEEN EXECUTED ON THIS TP	Once a G10 command is executed on a test point, a G2/2 or 701 command must be executed before another G10 can be executed. Enter a G2/2 or 702 command then retry G10 .
183	DO D01 FIRST	Enter a D01 command and then retry.
184	701 THEN D01 MUST BE ENTERED	An attempt was made to execute a DDS command without allocating the DDS enhancement or identifying the access point. Enter a 701 command, a D01 command, and then retry.
185	DTM ALLOCATED. USE G13 TO DISC	If the DTM is allocated by the A01 or A02 command, the A03 is invalid. Disconnect the DTM with a G13 command.
186	DTM ROUT UNAVAILABLE	There are no lines available to access the DTM routine. This could be a hardware failure or a busy system. Retry.
187	DTM NO DT LN1	The DTM was unable to detect a dial tone on the line. This could be a hardware problem.
188	DTM NO ANSWER LN1	There was a timeout at the Data Test Center. Check with the Data Test Center.
189	DTM NOT ALLOCATED. DO A01 A02 OR A03	An attempt was made to execute an A04 or A05 without allocating the DTM enhancement. Allocate the DTM enhancement with an A01 , A02 , or A03 command, and then retry.
190	DTM NO DT	No dial tone was detected on either line 1 or line 2 of the data test module.
191	DTM NO DT LN2	An A01 or A02 command was attempted, but no dial tone was detected on line 2.

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
192	DTM NO ANSWER LN2	There was no answer at the Data Test Center. Check the telephone number. Check with the Data Test Center.
193	FREQUENCY OUT OF RANGE	The requested frequency is outside the range capability of the digital frequency synthesizer.
194	LOSS OUT OF RANGE	In an attempt to execute an A05 command, the calculation for setting the pads resulted in a number less than zero. Check the loss figure received from the Data Test Center.
195	OPTION CURRENTLY NOT AVAILABLE	The option selected is not currently available.
196	HARDWARE FAILURE	Check RTS hardware.
197*	PC TO PC LINK BUSY. RETRY	—
198	ILLEGAL 007 DATA. FIX AND RETRY	There was a syntax error in the entry of 007 data. Check data and retry.
199	PROCESSOR FAILURE. DISCONNECT AND REACCESS	The test point timed out while waiting for a response from the foreign process controller. Disconnect and reaccess.
200	MULTIPLE LN ENTRIES IN 008. FIX AND REBOOT	There is an error in the site dependent data. Correct and reboot.
201	ILLEGAL OG ASSIGN IN 008. FIX AND REBOOT	There was a syntax error in the entry of 008 data. Correct and reboot.
202	ILLEGAL PVT LINE ASSIGNMENT IN 012 or 013. FIX AND RETRY	There is an error in the site dependent area. Correct and retry.
203	PL DTM ALLOCATED. USE G13 TO DISCONNECT	The DTM has been allocated to a private line by the A03 command. The A01 and A02 commands are invalid. The G13 command should be used to disconnect. Disconnect using the G13 command and then retry.
*Not currently being used.		

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
204	COMMAND INVALID. DTM CONNECTED	The command entered is invalid after an A05 command. The DTM can be disconnected with the G13 command. Disconnect with the G13 command and retry.
205	TP IN RECOVERY. TRY AGAIN	An error has been discovered and all input commands are temporarily blocked. Retry.
206	RTS LINE FAILURE. ENTER 701 OR G02 DISC	The tester has lost the RTS line. Disconnect or reaccess.
207	LOGICAL LINE NOT FOUND IN TABLES. CHECK 008 DATA	A logical line in the 012 or 013 table does not exist in the 008 table. Check 008 data.
208	DISCONNECT OR CHANGE TP G02 BEFORE 066	An 066 (abort) cannot be executed from a test point which has an access along the same line. Use the G02 command to either disconnect or change the active test point.
209	RTS RETURNED FAILURE FOR UPDATE	As a result of a request for update, the RTS returned a failure code. Retry.
210	041 NOT ALLOWED TO ALIEN RTS	—
211	TEL NO. FIELD MISSING IN 012 OR 013 MASKS. FIX AND RETRY	Enter the telephone number in the 012 or 013 mask and retry.
212	INVALID FE ID FIELD IN 012 MASK. FIX AND RETRY	There was an invalid character in the FE ID field and in the 012 mask. Correct FE ID field in 012 mask and retry.
213	INVALID PL FIELD IN 012 OR 013 MASKS. FIX AND RETRY	There is an invalid character in the private line field. Check the PL field and retry.
214	MESSAGE ENTERED EXCEEDS MAX CHAR LENGTH	—
215	DO NLD FIRST THEN NLD SN TO GET CORRECT NLD READING	Do NLD.

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
216	INVLD CHAR. IN PC OR RTS CLLI CODE IN 012 OR 013. FIX AND RETRY	—
217	INVLD CHAR. IN LGCL LN FIELD IN 008 DATA. FIX AND RETRY	—
218	INVLD CHAR. IN POS FIELD IN 011 DATA. FIX AND RETRY	There is an invalid (nonnumeric) character in the POS field in the 011 data. Correct and retry.
219	FILING SYSTEM ERROR SYSTEM PROBLEM OR RK WRITE PROTECTED	—
220	INVLD TSV TALK LINE IN 011 DATA. FIX AND RETRY	There is an invalid (nonnumeric) character in the TSV talk line field in the 011 data. Correct and retry.
221	LINE TOO LONG OR MUST CLEAR SCREEN	—
222	POSITION IS NOT LOGGED ON	Log on.
223	INVALID LINE AND DEVICE	—
224	SET ID ALREADY EXISTS	The 061/CREATE command was used to create a set ID which already existed.
225	SET ID MUST BE ACTIVATED FIRST	The 061 command was used to delete a set or write to a set without first activating it. Use 061/ACTIVATE command and retry.
226	SET ID NAME ALL IS NOT ALLOWED	The 061/CREATE/ALL command is not allowed because ALL is not allowed as the name of a set ID.
227	BOTH SOURCE AND DESTINATION SET IDS MUST BE SPECIFIED	An 061/DUPLICATE or 061/SUBCOPY command must give both the source and the destination set ID. Check command syntax and retry.

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
228	SYSTEM SET CAN NOT BE DELETED	An attempt was made to delete an SDD set which is designated as a system set. Designate some other SDD set as a system set using ACTIVATE command and then delete the set.
229	INVALID COMMAND AND OR COMMAND ARGUMENT	There was an error in the subcommand or in some other field of the command. Check syntax and retry.
230	FIELD 2 MUST BE SYSTEM OR RW	There was an error in field 2. It must be either SYSTEM (SY) or RW. Correct and retry.
231	SET ID MUST BE SPECIFIED	The set ID is required for the command entered. Correct and retry.
232	DIRECTORY IS FULL. CREATE NOT ALLOWED.	There is a maximum of 20 SDD sets.
233	SET ID DES NOT EXIST MUST CREATE FIRST	The set ID specified is not valid. No SDD set exists for this set ID.
234	SET ID EXCEEDS 14 CHARACTERS	The maximum number of characters for a set ID is 14. Reenter with 14 or fewer characters for the set ID.
235	ERROR IN READING SDD DATA FILE	This is a filing system error. Contact SMM.
236	ERROR IN WRITING SDD DATA FILE	This is a filing system error. Contact SMM.
237	SET ID IS IN USE TRY LATER	The requested set has been activated by another tester at another CRT. Retry.
238	YOU ARE ALREADY ACTIVATED DEACTIVATE FIRST	Tester already has another SDD set activated. Only one SDD set can be active at a time. Deactivate other SDD set and retry.
239	ERROR IN ALLOCATION FILE	This is a filing system error. Run background task BL3 and use backup SDD tape to have all SDD sets on tape. If no success, contact SMM.
240	—	—

TABLE F (Contd)

TP 52A TEST ERROR MESSAGES

ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
241	UTILITY ALREADY IN PROGRESS	Only one access point utility (075, 076, or 077 command) can run at a time.
242	COMMAND LOCKED. A UTILITY TASK IS IN PROGRESS	Write commands to the disk are not allowed while an access point utility (075, 076, or 077 command) is in progress.
243	COMMAND LOCKED. 077 TAPE TO DISK TRANSFER IN PROGRESS	No commands are allowed during 077 tape to disk transfer.
244	COMMAND LOCKED. 073 BEING EXECUTED. TRY AGAIN	No commands are allowed while an 073 command is being executed. Retry.
245	STARTING BLOCK NO PLUS RANGE MUST NOT EXCEED 5000	The data base is in block of 5000. The sum of the starting block and the range must be less than 5000. Correct and retry.
246	WRONG TAPE	The tape mounted is not labelled file transfer tape. Mount the correct tape and retry.
247	TAPE IS WRITE LOCKED	The write ring is not on the tape. Put the write ring on the tape and retry.
248	TAPE DRIVE IS OFF LINE	Put tape drive on line.
249	END OF TAPE REACHED	—
250	ACCESS POINT ALREADY EXISTS	An attempt was made to add a test point; however, the access point part of the test point already exists. This check is made to preserve the integrity of the data base. Check data.
251	DO G09 OR 701 FIRST	—
252	DO B01 FIRST	—
253	REPEAT B01 OR REACCESS	The DACS access failure.
254	DO B02 FIRST	Command cannot be executed unless DACS circuit is split or DACS access is released.

TABLE F (Contd)		
TP 52A TEST ERROR MESSAGES		
ERROR CODE	ERROR MESSAGE	EXPLANATION AND SUGGESTED ACTION
255	DO B02 RLS FIRST	Do B02/2.
256	COMMUNICATION ERROR. RETRY OR DISC	Retry or disconnect.
257	DACS TEST PORT UNEQUIPPED	—
258	DACS TEST PORT OUT OF SERVICE. DISC TP	Disconnect test point.
259	DACS UNABLE TO EXECUTE COMMAND. DISC TP	Disconnect test point.
260	DACS CHANNEL UNEQUIPPED. DISC TP	Disconnect test point.
261	DACS CHANNEL OUT OF SERVICE. DISC TP	Disconnect test point.
262	DACS CHANNEL BUSY. RETRY OR DISC	Channel under test from another test port.
263	DACS TEST PORT BUSY. CHECK TEST PORT NUMBER	Test port under test by another user.
264	CMD DENIED BY DACS. CHK INPUT DATA AND RETRY OR DISC	The command entered was not executed by DACS.