CAROT 2/GENERIC 3

REMOTE-USER TERMINAL

DESCRIPTION AND OPERATION

CENTRALIZED AUTOMATIC REPORTING ON TRUNKS 2 (CAROT 2)

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7. GLOSSARY OF COMMANDS 160

1. GENERAL

1.01 The purpose of this section is to familiarize the user of the remote terminal with the physical and electrical characteristics of the terminal and to provide functional information and operating instruction. The Centralized Automatic Reporting on Trunks 2 (CAROT 2), generic 3, information is included.

1.02 Whenever this section is reissued, the reasons for reissue will be listed in this paragraph.

2. TERMINAL DESCRIPTION

2.01 The remote terminal is an input/output device that functions as a peripheral of the CAROT 2 controller. The remote terminal provides the user with direct access to the CAROT 2 controller and information concerning trunks under office control.

2.02 Equipment used as remote terminals must be capable of transmitting and receiving American Standard Code for Information Interchange (ASCII) coded asynchronous data at a baud rate of 110, 300, or 1200.

2.03 More than one type of equipment is available for use as a remote terminal. Equipment used as remote terminals may be as follows:

- Type 33, 35, or 37 keyboard sending and receiving (KSR) teletypewriter
- Compatible KSR acoustically coupled terminals

- DATASPEED® 40 terminal sets.

3. FUNCTIONS

3.01 The remote terminal serves as a communications link between the control office and the CAROT controller. The terminal allows the user to interact with the CAROT controller. Information exchanged between the CAROT controller and the terminal deals with either trunk testing, trunk management, or circuit order activities. Functions allowed by a remote user are assigned by the administration at the controller console.

TRUNK TESTING INFORMATION

3.02 Transmission and operational trunk testing information deals with the results of routine maintenance tasks such as requesting routine test results or initiating demand tests of trunks. Trunk testing information is used during the maintenance and repair of trunk circuits. The following is a list of feature-related trunk tests and test equipment performance tests. Examples of typical trunk testing printouts are shown in Fig. 1, 2, 3, and 4.

- Request routine test results.
- Make single demand test on trunk, trunk group, or facility.
- Make batch demand test on a trunk, trunk group, or facility.
- Test remote office test line (ROTL) using interrogator mode.
- Test trunks using interrogator mode.

TRUNK MANAGEMENT/DATA DISPLAY INFORMATION

3.03 By use of the display command, the remote user may use the terminal to view selected parts of the data base. The following is a list of display command features. Examples of typical data display printouts are shown in Fig. 5, 6, and 7.

- Allow user to obtain management summary data.
- Display the temporary daily list (TDL).
- List the contents of a user file.
- List files to be updated.
- Request data display of trunk.
- Request data display of index summary report.
- Request data display of daily office summary report.
- Request data display of management summary report.
- Request data display of daily office transmission summary report.
- Request data display of daily office operational summary report.
- Request data display of all ROTLs associated with specified control office.
- Request data display of all trunks in a specified control office, facility, or trunk group.
- Request immediate data displays.
- Request brief data displays.
- Request a batch data display.

3.04 Other management features are included to assist the user:

- Allow user to communicate with controller attendant
- Display current time and date
- Obtain help information on use of system.
- List, delete, and display information and results in a batch.
- Remote and display temporary daily list data.
- Run selected programs
- Change user password
- Call back automatically with results when completed.

- Page control options for terminals with cathode ray tubes (CRT).

CIRCUIT ORDER INFORMATION

3.05 Circuit order information deals with administrative central office circuit assignments. A circuit order is a service order requiring an addition, deletion, or change to a circuit. The following is a general list of circuit order functions. Examples of typical circuit order printouts are shown in Fig. 8, 9, and 10.

- Allow access to any control office reports and/or data.
- Allow user to complete items and display completion notice file of own plant control office.
- Allow user to complete items, display completion notice file, and display data for other plant control offices.
- Allow user to change data parameters for completion.
- Allow user to modify due date of circuit order completions or circuit order items.
- Allow user to override a test failure of the circuit and complete the item.
- Allow user to override equipment failure or nonexistent test line and complete the item.

3.06 An expanded list of circuit order command functions is as follows:

- Display a list of all circuit orders and circuit order items assigned per plant control office.
- Display a list of all circuit order items and information associated with a circuit order number.
- Display the completion notice file per plant control office.
- Perform a demand test of single circuit order item with or without parameter changes.
- Perform a demand test of multiple circuit order items associated with same circuit order.
- Perform a demand test of a circuit order with or without parameter changes.
- Complete circuit order items, CAROT testable, with or without parameter changes.
- Complete multiple circuit order items associated with the same circuit order.
- Complete a specified circuit order, with or without parameter changes.
- Complete a CAROT nontestable circuit order or circuit order item.

TESTING CAPABILITIES

3.07 Testing capabilities of CAROT 2, generic 3, have been expanded. A list of CAROT 2, generic 3, test capabilities is as follows.

- Far-to-near, 1000-Hz, 0 dBm0 loss measurements to 102- or combined 100-type test lines
- Near-end C-message weighted noise measurements to 100-type test lines
- Two-way, 1004-Hz, 0 dBm0 loss measurements to 105-type test lines with 51B or 52A-type Automatic Transmission Measuring System (ATMS) responders
- Near- and far-end, C-message weighted measurements to 105-type test lines with 51B and 52A ATMS responders
- Two-way gainslope (404-, 1004-, 2804-Hz, -16 dBm0) loss measurements to 105-type test lines with 52A type ATMS responders.
- Noise-with-tone, C-message weighted noise in the presence of a 1004-Hz, -16 dBm0 holding tone. Measurements are made to 105-type test lines with 52A ATMS responders.
- Tests to operational test lines. Test may be made from electromechanical ROTLs to synchronous, nonsynchronous, or 103-type test lines. These tests may not be made from an

Electronic Switching System (ESS) ROTL or on trunks with traffic codes IA (intraoffice), CA (Centralized Automatic Message Accounting), SP (service position); test may not be made on a trunk originating in a step-by-step office with a traffic code of DD (class 5-to-class 4 direct distant dialing access trunk).

- Tests through the No. 4 crossbar Outgoing Trunk Testing System-Transmission (OTTS)/ROTL. These tests include reporting of call progress error messages and testing trunks with the end test, timing disconnect, and incoming release enabled.

- Terminal balance test series, consisting of echo return loss, singing return loss, and singing return loss high to 105-type test line with properly equipped 52A type responder.

- Enhanced operational trunk test (EOTT) type tests, including: charging operation; no charge operation; free line test; overtime charge test; timed release, terminating end holding; timed release, originating end holding; continuity and polarity, trunk identity check; and cancel disconnect entry.

- Busy line test to a distant crossbar type class 5 office with a busy test line (EOTT feature).

3.08 A glossary of commands related to these operations is given in Part 7 of this section.

4. OPERATING PROCEDURES

4.01 Use of the remote terminal in performing trunk activities is described in the following paragraphs. Necessary methods for obtaining and inputting trunk test information are shown. Procedures for clearing reported trunk troubles are outlined, and examples of typical printouts are given.

GENERAL OPERATING INSTRUCTIONS

4.02 In order to make the terminal accessible, the CAROT controller operator must designate a remote-user function code in accordance with assigned duties, one user number, and one password for each operator of the terminal. The user number and password are entered into the CAROT data base for identification and security purposes. A detailed description of remote-user function codes is given in Section 190-103-202 and in Table A.

4.03 The user must terminate all inputs with the RETURN, or CARRIAGE RETURN key, abbreviated (CR), as applicable. Operation of the carriage return key signals CAROT that the message has ended. The CAROT responds with a line feed and printout of the question mark prompter **?**. Only after the user is properly logged in and the prompter is printed may the user enter the necessary command; ie, CAROT is waiting for an input message from the terminal.

UNIVERSAL COMMANDS/OPERATIONS

A. Log-in Procedure

4.04 To access the CAROT controller, the remote user must perform a log-in procedure using the assigned user number and password (see Part 6, PROCEDURE 1.)

4.05 After the remote user has properly logged in to the CAROT controller and the question mark prompter has been received, trunk testing information, data display information, or circuit order information may be exchanged. During this exchange of information, some of the general information discussed in paragraphs 4.07 through 4.23 may be needed.

4.06 The remote user is authorized to perform certain functions by the CAROT controller administrator. The controller administrator assigns functions to the remote user by entering a function code at the controller console. These function codes and their meaning are shown in Table A.

B. Logoff Procedure

4.07 This procedure, using the logout command **BYE** or **END**, is used to terminate communications between the remote terminal and the CAROT controller. Communications should be terminated when work has been completed via the terminal and when a large batch has been submitted which will require a long period of time for completion. Logoff of the remote terminal when large batches have been submitted will avoid tying up the system, allowing for ready access by other remote users.

4.08 The CAROT controller will automatically log off a remote terminal if no inputs are received from the terminal for a period of approximately 10 minutes. A warning message is transmitted by CAROT 5 minutes before automatic logoff is executed. The logoff instruction is given in Part 6, PROCEDURE 54, as well as being included in other procedures.

C. Communicate With CAROT Controller Console

4.09 The remote user may need to communicate with the CAROT controller console operator. This exchange may be required for changing user password, changing user number, or for other procedural or general information. The instruction for communicating with the console operator is given Part 6,PROCEDURE 2.

D. Change User Password

4.10 It may be necessary, for security purposes, to change the present password. This may be accomplished after communicating with the CAROT console operator. The instruction for inputting a change in the user password is given in Part 6, PROCEDURE 4.

E. Get Help Using Remote-User Commands

4.11 The CAROT will print an explanation of any remote-user command. The instructions for getting an explanation given in Part 6, PROCEDURE 3.

F. Input/Output Message Revisions

4.12 Incorrect user entries may be revised by deleting the incorrect characters. The method for deleting individual characters requires that an error be noted before the carriage return key is depressed; otherwise, an error message will be sent back to the remote user requiring no deletion of individual characters but will require a reentry of the entire command. Message entries are revised by typing one or more backspace characters as required for each character to be revised and then typing in the proper character(s).

Backspace Usage

4.13 The ***backspace*** character may vary from one type of terminal to another. Some acoustic terminals use ← or backspace key to accomplish a backspace. The ***backspace*** character in the case of types 33, 35, and 37 teletypes is the underscore character, accessed by shifting the letter **O**. An example of a typical message revision is shown in Fig. 11.

Rubout Key Usage

4.14 An entire message or line may be deleted by depressing the RUBOUT key (for teletypewriter). The CAROT will respond to the command with ***DEL***, a carriage return, and a line feed. The user may then continue with the message or line. An example of message deletion is shown in Fig. 12. For terminals other than those equipped with RUBOUT, simply operate the return key before the message has been completed. The CAROT will respond with an appropriate error message.

Page Command

4.15 A remote user can control the output of displays and reports to the terminal by use of the **PAGE** command as shown in Part 6, PROCEDURE 5. The **PAGE:ON** command feature allows only so many lines at a time (the default is 20) to be sent to the user. This feature is useful when the user is using a DATASPEED 40 terminal set (or other CRT terminal) or wishes to slowly scan the information being displayed. The **PAGE:OFF** command turns off this feature.

Forms Control

4.16 The form control feature is used by the remote user to control the format of routine test results reports. Normally the routine test results are printed on a printer for future use and reference. The **FORMS** command (see Part 6, PROCEDURE 6) will allow the reports to be printed so that several blank lines will be printed between pages. Thus, the routine test results reports can be folded for easier usage. (Note that this feature only applies to printers capable of receiving a **TOP OF FORM** command.) The default condition for the **FORMS** command is **FORMS:ON**. Remote users displaying routine test results on a CRT terminal will want to use the **FORMS:OFF** command feature.

Brief Command

4.17 Included in the contents of the data displays are the most recent test results. This test information may be deleted from the trunk display requests in order to reduce the printout time and shorten the display length. To delete the routine test results, the **BRIEF** command must be activated before the data display request. A **BRIEF** command also inhibits the printing of certain test parameters for demand test and completions. A typical data display request and the **BRIEF** command are shown in Fig. 13.

Break or Interrupt Key

4.18 To interrupt a printout, the user must depress the BREAK or interrupt (INTRPT) key, followed by a carriage return (CR). The CAROT acknowledges this action by terminating the printout and printing ***BREAK***. If the printout is to continue, type **GO** (CR); if the printout is to end, type **STOP** (CR). An example of a typical interrupted printout is shown in Fig. 14. Note that the interrupt feature may vary on some types of terminals.

Multiple Line Commands

4.19 Commands that require more information than is allowable on a single line (80 characters) may be continued on as many as two extra lines by terminating the line with a comma. When this occurs, the CAROT controller will respond with a special prompt **CONT?** which indicates a continuation line is expected. The comma at the end of a line to be continued will not be eliminated from syntax checking. Thus a comma at the end of the line must be part of the normal command structure.

Abbreviated Commands

4.20 When entering a command, only the first three characters of the command are required. Two examples are as follows:

DISPLAY is entered as **DIS**

DELETE is entered as **DEL.**

G. Error Messages

4.21 A list of error messages that may be returned by CAROT appears in Table B. Circuit order messages are listed in Table C.

H. Information Fields

4.22 When entering data into information fields such as common language identification and/or ROTL trunk priming, unused character positions must be filled with blanks. It is emphasized that the blank character is as important as any other alphanumeric character; therefore, it must be used when indicated in the procedures. The blanks are entered by depressing the space bar on the remote-user terminal keyboard.

Justification Arrows

4.23 Information fields require that information be entered in the proper format. The justification arrow (→|) means all data characters in a field must be entered so that the data is adjacent to the right side of the data field. The justification arrow (|←) means all data characters in a field must be entered so that the data is adjacent to the left side of the data field. Any remaining unused character positions must be filled with blanks. An example of entry format is shown in Fig. 15, showing uses of blank spaces and justification arrows.

TRUNK TESTING INFORMATION

A. General

4.24 Results of routine tests are obtained via automatic dispersal or by entering the proper command. The test results are confined to the remote-user control office. If the CAROT controller has assigned the remote user the proper function, test results for another control office may be obtained by inputting the control office identification along with the display request command. The routine test results contain a summary of scheduled trunk tests, trunks tested, trunks with trouble, and trunks not tested. The procedure for requesting routine test results is given in Part 6, PROCEDURE 7. Examples of the routine test results printout are given in Fig. 1.

B. Automatic Dispersal

4.25 The CAROT controller will automatically disperse routine test results to designated remote terminals each morning upon completion of analysis of routine testing. Routine test results dispersed to all users via this mode may be limited to all or a sequential part of the trouble categories, starting with Q2, as determined by data base parameters set at the

CAROT controller. A complete listing of trouble categories is as follows:

PARAMETER	TROUBLE CATEGORY
Q2	Q2 reports and operational test failures
TF	Transmission test call setup failures
OF	Operational test call setup failures
DT	Repeated trouble report
Q1	Trunks exceeding maintenance limits
RT	EOTT test failures
CH	Trunks experiencing chronic problems
EQ	Equipment failure report.

4.26 If only part of the listed trouble categories is received on a routine basis, the remainder of the results may be received by calling CAROT via the remote terminal and entering the appropriate command as described in Part 6, PROCEDURE 7.

4.27 Conditions applicable to automatic dispersal are as follows:

- Remote terminals must be equipped to receive incoming calls.
- Calls are made on the regular switched telephone network.
- Terminal numbers are entered and stored in the data base, one number being associated with each control office.
- The offices to receive results automatically are controlled by the data base.
- Up to four attempts are made to access a busy terminal. A minimum wait of 30 seconds is made between attempts. If the terminal is not accessed in four attempts, the data will not be sent automatically and must be requested manually.
- A log file is maintained indicating the disposition of automatic dispersal for all control offices. To see this information, type **LFILE:$ ADHIST.**
- Results are printed on the remote terminal preceded by a header containing the date and time.
- The remote user may break the transmission by depressing the BREAK key (except for terminals operating at 1200 baud without reverse channel capability). After adjusting the paper, etc, the user can cause the transmission to resume by typing **GO**. Typing **STOP** will cause the controller to hang up.

C. Trunk Group and Trunk Numbers

4.28 The CAROT 2 controller with generic 3 software assigns a CAROT trunk group facility, and trunk number to every trunk group, facility and trunk established in the data base. These numbers are provided to be used as a simple name (instead of common language ids) when accessing a trunk group, facility, or trunk for displays or demand tests.

4.29 Factors concerning the use of CAROT trunk group, facility, and trunk numbers are as follows:

- Six-digit numbers are assigned to each trunk, trunk group, and facility in the routine and demand data base.
- These numbers remain with the trunk or trunk group assignment until it is deleted or changed.
- The numbers bear no relation to other number assignments used in the Bell System (they are unique to CAROT).
- The number may be used as an identifier by which remote users may request data base displays and measurements.
- Many trunk numbers, facility numbers, or trunk group numbers may be used in a single command (as long as the entire command does not exceed three input lines).

D. Single and Batch Demand Tests

4.30 Single and batch demand tests may be made on a specific trunk, trunk group or facility. A single demand test request is usually acted on as soon as the request is received and is implemented by an asterisk before the **TEST** command (*** TEST**). Each batch may consist of several tests on different trunk groups containing a large number of trunks; therefore, the batch test request might not be acted on and implemented immediately. The CAROT will respond to each batch request with an estimated test completion time. This estimate is very coarse since testing times can vary over a wide range depending on the combination of good and bad testing information. In all cases CAROT will notify the user that the test results are ready unless the user is no longer logged on. A new feature for generic 3 allows a user to add new items to an existing batch which can then be resubmitted to CAROT.

4.31 To avoid waiting on-line for batch results that may take a long time to complete, and tying up a remote-user multiplex port, the user may use the "callback" feature. This feature allows CAROT to accept a batch request, terminate the access to CAROT, and automatically receive the results when completed. See paragraph 4.38 for more details concerning the automatic callback feature.

4.32 When initiating demand tests, or requesting trunk test information or data base displays, specific information concerning the identification of the trunk, trunk group, or facility and type of test to be performed is required. The information required depends on the type of test requested and the method of identifying the trunk or trunk group. Table D gives a listing of available test commands cross-referenced to figures of applicable command formats and procedures containing instructions on the use of the various commands.

Single Item Request

4.33 Single item requests involve both the demand tests and the data display requests. These requests are made to meet an immediate need rather than waiting for a batch to be processed. The trunks, trunk groups, or facilities to be tested may be identified by either the CAROT trunk, trunk group or facility number, or the common language circuit identification (CLCI). Data display requests are identified by the type of request, such as data display of trunk, or daily office summary report. Single trunk, trunk group, or facility tests may be made with specified test parameters or with default noise and level specifications. Single item immediate requests cannot be submitted when a batch is in progress.

4.34 A single item request must be preceded by an asterisk before each entry (***TEST**). The instructions for submitting a single item request is shown in Part 6, PROCEDURES 8 through 19. A typical demand test printout is shown in Fig. 16. A typical data display printout is shown in Fig. 17.

Batch Demand Request

4.35 Batch demand requests may take the form of either batch demand tests, or batch display requests or a combination of display and test requests. The batch tests require inputting one or more trunks, trunk groups, or facilities as identified by the CAROT trunk, trunk group or facility number, or the CLCI. Individual tests may be entered with default level and noise tests only, or selected tests may be entered by specifying test types. Batch display requests are entered in a similar manner, with many display commands entered at one time. Typical batch demand requests are shown in Fig. 4.

4.36 Batch commands, when initiated, are ***not*** prefixed by an asterisk (***TEST**). When a batch is submitted, the user has a choice of three options for obtaining batch results.

- Wait on-line for notification that results are ready.
- Implement automatic callback feature.
- Log off and call CAROT back at some appropriate time as determined by estimated time of completion notice.

When using the automatic callback feature, the last item in the batch is the **SEND** command. This command entry contains data describing terminal operating parameters necessary for implementation of the return call by CAROT. A batch entry is concluded by entering the **SUBMIT** command. See Part 6, PROCEDURE 20.

4.37 Note that the normal last step of all trunk test procedures (batch and immediate) is **DELETE:ALL** and is required to clear all preceding information to make room for later entries. It is possible,

however, to add new items to a batch using the **ADD** command. Once the **ADD** command has been given, the user can add new items to the batch in the normal way. The batch can then be resubmitted to CAROT for action.

Automatic Callback

4.38 The automatic callback feature allows the remote user to submit a batch of requests, terminate the access to CAROT, and have the CAROT 2 controller call the designated terminal and transmit the results at a later time when the results are ready. Key factors concerning this feature are as follows:

- Implementation is accomplished via the **SEND** command which is described in Part 6, PROCEDURE 20.
- No log is kept of the batch results which have been transmitted. However, the batch results are not destroyed after they are called out.
- The remote user may break the transmission by depressing the BREAK key (except for terminals operating at 1200 baud without reverse channel capability). After adjusting the paper, etc, the user can cause the transmission to resume by typing **GO**. Alternatively, the user can stop the transmission by typing **STOP** which will cause the controller to return to the question mark prompt.

Resubmit a Batch

4.39 A user may resubmit a batch of requests that have been submitted previously but not deleted. A batch may be resubmitted an unlimited number of times. Individual entries within the batch may be deleted or added before a batch is resubmitted. The CAROT attempts to test all items in the batch regardless of previous results.

E. Data Display Procedures

4.40 Data display procedures consist largely of displays of various summary reports and information of trunks or trunk groups. This information is used by management and operating personnel to follow the progress of maintenance activities and to verify status of the data base, trunk conditions, and circuit order work. Some reports are automatically printed on the line printer at the CAROT center at the end of a predetermined interval. These reports may be requested by the remote user or CAROT center at any time during the interval.

4.41 Some data displays contain the results of routine tests or quarterly comprehensive tests. If these results are not needed, they may be surpressed by use of the **BRIEF** command. This command is active when the terminal is logged on and can be deactivated by typing **BRIEF:OFF**. The command remains activated until **BRIEF:ON** is entered or the terminal is logged off.

4.42 The remote user may interrupt a printout in progress at his discretion by use of the **BREAK** key from the remote terminal or the **BREAK** command from the console. The user can then resume transmission by typing **GO** or end transmission by typing **STOP**.

4.43 Data display procedures may be placed into two general groups—maintenance display, and management display. The procedure for submitting maintenance display requests is similar for all cases. The procedure for submitting management display requests is also similar for all cases. Table D gives a listing of all available display commands cross-referenced to figures of applicable command formats and procedures containing instructions on the use of the various commands. The procedures for entering typical requests are given in Part 6, PROCEDURES 21 through 31.

Maintenance Displays

4.44 Maintenance displays contain trunk assignment, priming, and test parameter information pertaining to trunks, trunk groups, facilities ROTLs, etc. This information may be used to follow maintenance activities or to verify the integrity of specified portions of the data base. The displays that fall into the maintenance display category are as follows:

- Request data display of a trunk.
- Request data display of all ROTLs associated with specified control office.
- Request data display of all trunks in a specified control office, facility, or trunk group.
- Request data display of all trunk groups in a specific control office.

Report Displays

4.45 Report displays are used primarily to evaluate performance conditions within an area by observing the various summary reports. The displays that fall into the management category are as follows:

- Request data display of index summary report.
- Request data display of daily office summary report.
- Request data display of daily office operational or transmission summary report.
- Request data display of management summary report.

Other Displays

4.46 Other displays available to remote users are as follows:

- Temporary daily list
- List a user or system file.

CIRCUIT ORDER ACTIVITIES

4.47 Circuit order activities are service orders dealing with such tasks as connecting, disconnecting, or rearranging a circuit and any administrative requirements for monitoring the work performed. Refer to Section 190-103-204, CAROT 2/ Generic 3, Circuit Order Activity Implementation and Description, for complete coverage of this subject. Circuit order features are detailed in paragraph 3.05.

4.48 A demand test of a circuit order or circuit order item may be entered as a single request or as part of a batch request. A circuit order/item completion request must be entered as a batch request. If only one completion request is required, the batch request method must still be used.

4.49 The general sequence for performing circuit order tasks is as follows:

(1) The circuit order bureau provides data concerning a pending circuit order to the trunk operations support center (TOSC) well before the circuit order is to be worked.

(2) The pending circuit order is added to the circuit order data base located at the TOSC.

(3) The plant control office has administrative responsibility for circuit order work assigned to control offices/central offices.

(4) At the central office the remote terminal may be used to obtain displays of circuit order information. This information can be used to schedule circuit order work in accordance with the assigned due dates.

(5) The remote terminal may be used to initiate end-to-end transmission and operational tests of circuits in the preservice state.

(6) The remote terminal may be used to initiate circuit order completion reports.

(7) Depending upon the circuit order options selected, the CAROT controller will perform the following functions:

- Update the routine and demand test data bases.
- Indicate the completion of circuit order items or whole circuit orders.
- Indicate circuit order work activity completions in the completion notice file sent to the circuit order bureau, thus terminating circuit order activities for the specified circuit.

4.50 There are certain functions of the remote terminal associated with circuit order functions. To become operable, assignment of the circuit order functions at the CAROT controller for specified remote users must be established. After the circuit order data base has been initialized and the proper remote-user functions assigned, the remote user may perform the following functions:

- Obtain all related circuit order information.
- Complete items and display completion notice file of own or another plant control office.

- Change data parameters for test and completions.
- Modify due date of circuit order completions or circuit order items.
- Override a test failure of the circuit, and complete the item.
- Override equipment failure or nonexistent test line, and complete the item.

Table C is a list of circuit order error messages that may be generated during batch creation.

4.51 Contained within the completion report printout are test disposition messages. These messages are used to inform the remote user of the status of the circuit order items. A list of possible test disposition messages is shown in Table E.

INTERROGATOR MODE

4.52 The remote user may perform tests on ROTLs, responders, test lines, and trunks accessible through a ROTL. The tests are a function of the interrogator program and may be run from either the CAROT controller or from the remote terminal.

4.53 To initialize the interrogator mode tests, a set of multifrequency digits, called ROTL/trunk priming digits must be generated and transmitted. The priming digits are obtained from copies of the demand test results of trunks exceeding Q1 and Q2 limits or from local office records. Priming digits are located on the routine test results printout as shown in Fig. 18. When developing priming digits from local office records, refer to Tables F, G, and H. These tables provide priming digit formatting information for ROTLs supported by CAROT.

4.54 To enter ROTL trunk priming data, the command **SET:F** *fields* is used. One of the following two types of formats may be used to input the priming information:

SET:F=K*ab***S** (CR)

ab is 0 to 27 numeric characters representing test code values, test lines, and other related items identified by the ROTL priming digits. When entering priming information, **K** (keypulse) and **S** (start) digits must always appear at the beginning and end, respectively, for expanded ROTLs. These characters are entered sequentially.

or

SET:F1=K*w*, **F2=***x*, **F3=***y*, **F4=***z***S** (CR)

w, *x*, *y*, and *z* are the ROTL trunk priming digits.

By dividing these digits into fields F1, F2, F3, and F4, revision of ROTL priming information is allowed. In this way, several trunks accessible through the same ROTL may be tested by changing only those characters that are different when going from one trunk to another. Table F shows recommended F field assignments.

4.55 Assume that priming required for three trunks is as follows:

K0510311749875
K0510021749875
K0510121749875

Note that only the sixth and seventh alphanumerics change from one trunk to another. In this case, the division of priming information into F1, F2, and F3 fields may be made as follows:

F1	F2	F3	F4
K 0 5 1 0	31	174 987 S	
K 0 5 1 0	02	174 987 S	(Blank)
K 0 5 1 0	12	174 987 S	

4.56 Data for the first trunk to be tested is entered as follows:

SET:F1=K0510, F2=31, F3=17498S (CR)

Note that in the previous example, F4 is not used. To enter information required to test the second trunk,

only the second field requires revision. Wait for testing of first trunk to end, then enter the following message:

SET:F2=02 (CR)

This entry automatically deletes the data unique to the first trunk and enters the data unique to the second trunk. The same procedure is used to change F2 data to test the third trunk. This method reduces priming digit entries when testing several trunks having similar priming digits.

4.57 The instruction for using the interrogator program is given in Part 6, PROCEDURE 31.

5. TROUBLE-CLEARING PHILOSOPHY

5.01 The remote terminal may be used for making transmission and operational trunk tests and for examining the condition of ROTLs, responders, and test lines.

5.02 The trouble-clearing philosophy recommended for the remote terminal users is as follows:

- Review routine test results printout.
- Note category of trouble indications reported and which trunks are affected.

5.03 For each trunk trouble reported, perform the trouble analysis procedure contained in Fig. 19.

NPLNOR62647 TUE 06/08/82
NPLNOR626470

MANAGEMENT SUMMARY ----

ROTL CONTROL TRUNK SUMMARY

TOTAL	LOSS	CMESS	CNOTCH	GS	BAL	OPER	EOTT
162	162	162	0	0	0	162	0

TOTAL TRUNKS SCHEDULED (EXCLUDING TDL)

162

TRANSMISSION TESTING SUMMARY (EXCLUDING TDL)

SCHEDULING SUMMARY

TOTAL	LOSS	CMESS	CNOTCH	GS	BAL	TRUNKS TESTED	UNSUCCESS ATTEMPT BUSY	H&D	OTHER	NOT TRIED
162	162	162	0	0	0	135	3	0	9	15

TESTING SUMMARY

LOSS

TESTS	Q1	Q2
168	5	0

CMESS

TESTS	Q1	Q2
168	12	0

CNOTCH

TESTS	Q1	Q2
0	0	0

GAIN SLOPE

TESTS	Q1	Q2
0	0	0

BALANCE

TESTS	Q1	Q2
0	0	0

OPERATIONAL TESTING SUMMARY (EXCLUDING TDL)

SCHD	TESTED	FAILED	BUSY	H&D	OTHER	NOT TRIED
121	95	2	0	0	4	22

EOTT (EXCLUDING TDL)

SCHD	TESTED	FAILED
0	0	0

REPEATED TRUNK TROUBLES

TDL TOTAL	NO. ADDED	NO. REMOVED	FIRST DAY REPEATERS	EXTENDED REPEATERS
11	11	0	0	0

Fig. 1—Example of Trunk Testing Printout—Routine Test Results (Sheet 1 of 6)

```
RO  NPLNOR626470      MON 06/07/82   TO  TUE 06/08/82


RP  TRUNKS EXCEEDING Q2 LIMITS AND STANDARD OPERATIONAL FAILURES


TG  000450  DF55IE1641111 NPLNOR62647 D- BURLOR62621
TF       302N2          NPLNOR62   PTLDOR62
TH  IE 9 0  3.0  1.0 3.7   23 30     0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0     0,0     0,0     0,0
TT  008808      3        6
DA        MON 06/07/82  19:09
    L/N         ANS                      05025503954
     LEVEL-0   -2.6            -2.6
     CMESS     16              -...
    OPRL        ANS                      20025503280
         P              D
TT  008809      4        8
DA        MON 06/07/82  19:10
    L/N         ANS                      05006503954
     LEVEL-0   -2.4            -2.2
     CMESS     -...            -...
    OPRL        ANS                      20006503280
         P              D
```

Fig. 1—Example of Trunk Testing Printout—Routine Test Results (Sheet 2 of 6)

```
RO  NPLNOR626470      MON 06/07/82   TO  TUE 06/08/82

RP  TRANSMISSION TEST CALL SETUP FAILURES

TG  000434  DF52CA1641200 NPLNOR62647 D- PTLDOR6203T
TF     1401N4          NPLNOR62   PTLDOR62
TH  CA 9 0  6.0  1.0 3.7   22 28    0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0     0,0     0,0     0,0     0,0
TT  008660  7511        2
DA        TUE 06/08/82  03:58
    L/N        BUSY  BUSY              05022309591551
TF     1403N4          NPLNOR62   PTLDOR62
TH  CA 9 0  6.0  1.0 3.7   22 28    0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0     0,0     0,0     0,0     0,0
TT  008662  7516        1
DA        TUE 06/08/82  03:59
    L/N        BUSY  BUSY              05029309591551
TF      306N2          NPLNOR62   PTLDOR62
TH  CA 9 0  6.0  1.0 3.7   22 28    0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0     0,0     0,0     0,0     0,0
TT  008665  7519       13
DA        TUE 06/08/82  04:00
    L/N        BUSY  BUSY              05018509591551

TG  000439  DF55IE1641031 NPLNOR62647 D- BVTNORXB644
TF      102T1          BVTNORXB   NPLNOR62
TH  IE 9 0  3.0  1.0 3.7   25 30    0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0     0,0     0,0     0,0     0,0
TT  008723     1       17
DA        MON 06/07/82  21:22
    L/N        BUSY  FEBY              05018109003
    OPRL       BUSY  ANS               20018101080
TT  008724     2       18
DA        MON 06/07/82  21:23
    L/N        FEBY  FEBY              05019109003
    OPRL       ANS                     20019101080
TT  008725     3       19
DA        MON 06/07/82  21:23
    L/N        FEBY  FEBY              05020109003
    OPRL       RERR  ANS               20020101080
TT  008726     4       20
DA        MON 06/07/82  21:24
    L/N        FEBY  FEBY              05021109003
    OPRL       ANS                     20021101080
TT  008727     5       21
DA        MON 06/07/82  21:24
    L/N        EFOB  FEBY              05022109003
    OPRL       ANS                     20022101080
TT  008728     6       22
DA        MON 06/07/82  21:24
    L/N        FEBY  FEBY              05023109003
    OPRL       ANS                     20023101080
```

Fig. 1—Example of Trunk Testing Printout—Routine Test Results (Sheet 3 of 6)

```
RO  NPLNOR626470      MON 06/07/82   TO  TUE 06/08/82


RP  OPERATIONAL TEST CALL SETUP FAILURES


TG  000437  DF54TO1641033 NPLNOR62647 O- PTLDOR1331T
TF      1405N3          NPLNOR62    PTLDOR62
TH  TO 9 0  3.0  1.0 3.7   25 30     0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0     0,0     0,0     0,0
TT  008703   511       11
DA        MON 06/07/82  21:21
    L/N         BUSY  ANS               0501340349003
    OPRL        BUSY  FEBY              2001340341080
TF      1406N3          NPLNOR62    PTLDOR62
TH  TO 9 0  3.0  1.0 3.7   25 30     0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0     0,0     0,0     0,0
TT  008691   523       11
DA        MON 06/07/82  21:19
    L/N         PERR                  0502540349003
    OPRL        BUSY  FEBY            2002540341080


TG  000442  DF55IE1641038 NPLNOR62647 O- HLBOORXB640
TF      8404CABLE       HLBOORXB    NPLNOR62
TH  IE 9 0  3.0  1.0 3.7   25 36     0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0     0,0     0,0     0,0
TT  008753      4         4
DA        TUE 06/08/82  03:43
    L/N         ANS                   05026500095
    OPRL        H&D   H&D             20026500034
```

Fig. 1—Example of Trunk Testing Printout—Routine Test Results (Sheet 4 of 6)

```
RO  NPLNOR626470      MON 06/07/82   TO  TUE 06/08/82


RP  TRUNKS EXCEEDING Q1 LIMITS


TG  000434  DF52CA1641200 NPLNOR62647 D- PTLDOR6203T
TF     1404N4           NPLNOR62    PTLDOR62
TH  CA 9 0  6.0  1.0 3.7   22 28     0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0      0,0      0,0      0,0
TT  008666  7521         8
DA        MON 06/07/82  20:12
    L/N         ANS                          05010709591551
     LEVEL-0  -2.8   (Q1)     -3.0   (Q1)
     CMESS    -...             -...


TG  000436  DF52SP1641199 NPLNOR62647 D- PTLDOR6203T
TF      303N2           NPLNOR62    PTLDOR62
TH  SP 9 0  6.0  1.0 3.7   22 28     0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0      0,0      0,0      0,0
TT  008679  8501         8
DA        MON 06/07/82  20:19
    L/N         ANS                          05005009591551
     LEVEL-0  -9.0   (Q1)     -6.1
     CMESS    -...             -...


TG  000437  DF54TO1641033 NPLNOR62647 D- PTLDOR1331T
TF     1405N3           NPLNOR62    PTLDOR62
TH  TO 9 0  3.0  1.0 3.7   25 30     0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0      0,0      0,0      0,0
TT  008693   501         1
DA        MON 06/07/82  21:20
    L/N         BUSY  ANS              0500340349003
     LEVEL-0  -2.8             -2.6
     CMESS    29      (Q1)     30      (Q1)
    OPRL        RERR  ANS              2000340341080
          P
TF     1406N3           NPLNOR62    PTLDOR62
TH  TO 9 0  3.0  1.0 3.7   25 30     0  0
TP  0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0      0,0      0,0      0,0
TT  008692   524         12
DA        MON 06/07/82  18:08
    L/N         ANS                          0502640349003
     LEVEL-0  -2.4             -1.6   (Q1)
     CMESS    16               17
    OPRL        ANS                          2002640341080
          P
```

Fig. 1—Example of Trunk Testing Printout—Routine Test Results (Sheet 5 of 6)

```
RP  EQUIPMENT MALFUNCTIONS FOR ROTL OFFICE =     NPLNOR626470
  COT = NPLNOR62647                              TUE 06/08/82


MS  2 AR/VA'S ON TRUNK GROUP
TG  000438 DF55IE1641030 NPLNOR62647 D- HLBOORXB648
DA   7   MON 06/07/82  18:18

TG  000439 DF55IE1641031 NPLNOR62647 D- BVTNORXB644
DA   7   MON 06/07/82  18:23


MS  IMPROPER TRUNK DISPOSITIONS
TG  000437 DF54TO1641033 NPLNOR62647 D- PTLDOR1331T
TT  008691   523      11
DA   7   MON 06/07/82  18:07
TT  008700   508      8
DA   7   MON 06/07/82  18:14
    L/N       ANS                    0501040349003
     LEVEL-0  -2.6          -2.5
     CMESS    -...          16
    OPRL      PERR                   2001040341080

TT  008701   509      9
DA   7   MON 06/07/82  18:14
    L/N       ANS                    0501140349003
     LEVEL-0  -2.5          -2.8
     CMESS    16            16
    OPRL      PERR                   2001140341080


TG  000442 DF55IE1641038 NPLNOR62647 D- HLBOORXB640
TT  008755     6      52
DA   7   MON 06/07/82  18:39

NWPTOR3501T            TUE 06/08/82
  NWPTOR3501TO


    NO TRUNKS SCHEDULED
```

Fig. 1—Example of Trunk Testing Printout—Routine Test Results (Sheet 6 of 6)

```
?◆TEST:TRK#=1
EST. COMPLETION: 11:00 EDT
?◆◆◆ RESULTS ARE READY ◆◆◆
?BATRS:ALL
 1. ◆TEST:TRK#=1
 ROTL=PTLDOR6203T0
 TG=AF24IT          PTLDOR6203T M- CRVSOR6502T  TG#=001304  CGSN=
 FAC=  113T1           CRVSOR65   PTLDOR62      FAC#=002340
  ---TEST PARAMETERS---
  TRAF=IT  IMP=6  TPL=3  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  23  Q2=  28  CNOTCH: Q1=   0  Q2=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
   TRK= 209  TRK#=000001  CHAN=    1
    TRAN    BUSY  PRM=15210504910 5
--------------------
◆◆ END RESULTS ◆◆
?
```

Fig. 2—Example of Trunk Testing Printout—Single Trunk Demand Test

```
?♦TEST:TG#=1
EST. COMPLETION: 11:41 EDT
?♦♦♦ RESULTS ARE READY ♦♦♦
?BATRS:ALL
 1. ♦TEST:TG#=1
 ROTL=ADARDR217450
 TG=DF50TD2511036 ADARDR21745 D- CRVSDR6531T  TG#=000001  CGSN=
 FAC=  102T1          ADARDR21   CRVSDR65     FAC#=000003
  ---TEST PARAMETERS---
  TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  20  Q2=  36  CNDTCH: Q1=   0  Q2=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
   TRK= 501  TRK#=008564  CHAN=   14
    TRAN    H&D   PRM=050181D269003
   TRK= 502  TRK#=008565  CHAN=   15
    TRAN    H&D   PRM=050191D269003
   TRK= 503  TRK#=008566  CHAN=   16
    TRAN    H&D   PRM=050002D269003
   TRK= 504  TRK#=008567  CHAN=   17
    TRAN    BUSY  PRM=050012D269003
   TRK= 505  TRK#=008568  CHAN=   18
    TRAN    BUSY  PRM=050022D269003
   TRK= 506  TRK#=008569  CHAN=   19
    TRAN    BUSY  PRM=050032D269003
   TRK= 507  TRK#=008570  CHAN=   20
    TRAN    RERR  PRM=050042D269003
   TRK= 508  TRK#=008571  CHAN=   21
    TRAN    ANS   PRM=050052D269003
     LEVEL-0   -5.0           -5.7
     CMESS     -...           -...
   TRK= 509  TRK#=008572  CHAN=   22
    TRAN    BUSY  PRM=050062D269003
   TRK= 510  TRK#=008573  CHAN=   23
    TRAN    ANS   PRM=050072D269003
     LEVEL-0   -5.1           -4.8
     CMESS     -...           -...
   TRK= 511  TRK#=008574  CHAN=   24
    TRAN    ANS   PRM=050082D269003
     LEVEL-0   -5.2           -4.9
     CMESS     -...           -...
 ROTL=ADARDR217450
 FAC=  101T1          ADARDR21   CRVSDR65     FAC#=000002
```

Fig. 3—Example of Trunk Testing Printout—Single Demand Test of Trunk Group (Sheet 1 of 2)

```
   ---TEST PARAMETERS---
   TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
   CMESS : Q1=  20  Q2=  36  CNOTCH: Q1=   0  Q2=   0
   ---TEST LINES---
   TRAN  : 105
   ---TEST RESULTS---
    TRK= 512  TRK#=008575  CHAN=   24
     TRAN    RERR  PRM=0500920269003
  ROTL=ADARDR217450
  FAC=  107T1          ADARDR21   CRVSDR65      FAC#=000007
   ---TEST PARAMETERS---
   TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
   CMESS : Q1=  20  Q2=  36  CNOTCH: Q1=   0  Q2=   0
   ---TEST LINES---
   TRAN  : 105
   ---TEST RESULTS---
    TRK= 513  TRK#=008576  CHAN=   13
     TRAN    ANS   PRM=0500440269003
      LEVEL-0   -6.0           -5.9
      CMESS     -...           -...
    TRK= 514  TRK#=008577  CHAN=   14
     TRAN    ANS   PRM=0500540269003
      LEVEL-0   -5.3           -6.7  (Q1)
      CMESS     -...           -...
-------------------
◆◆ END RESULTS ◆◆
?
```

Fig. 3—Example of Trunk Testing Printout—Single Demand Test of Trunk Group (Sheet 2 of 2)

```
?TEST:TRK#=8564
?TEST:TRK#=8578
?TEST:TRK#=8589
?LIST
 1. TEST:TRK#=8564
 2. TEST:TRK#=8578
 3. TEST:TRK#=8589
◆◆ END BATCH ◆◆
?SUBMIT
EST. COMPLETION: 06:31 JJP
?◆◆◆ RESULTS ARE READY ◆◆◆
?BATRS:ALL
 1. TEST:TRK#=8564
 ROTL=ADARDR217450
 TG=DF50TD2511036 ADARDR21745 D- CRVSDR6531T  TG#=000001  CGSN=
 FAC=  102T1          ADARDR21    CRVSDR65      FAC#=000003
  ---TEST PARAMETERS---
  TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  20  Q2=  36  CNOTCH: Q1=   0  Q2=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
   TRK= 501  TRK#=008564  CHAN=   14
    TRAN     BUSY  PRM=0501810269003
-------------------
 2. TEST:TRK#=8578
 ROTL=ADARDR217450
 TG=DF52SP2511195 ADARDR21745 D- PTLDDR6203T  TG#=000002  CGSN=
 FAC=  108T1          ADARDR21    CRVSDR65      FAC#=000008
  ---TEST PARAMETERS---
  TRAF=SP  IMP=9  TPL=0  EML=  6.0  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  22  Q2=  28  CNOTCH: Q1=   0  Q2=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
   TRK=6401  TRK#=008578  CHAN=    1
    TRAN     ANS   PRM=0500509591551
     LEVEL-0   -6.0           -6.1
     CMESS     17             17
-------------------
 3. TEST:TRK#=8589
 ROTL=ADARDR217450
 TG=DF54LA2511200 ADARDR21745 D- CRVSDR6502T  TG#=000003  CGSN=
 FAC=  103T1          ADARDR21    CRVSDR65      FAC#=000004
  ---TEST PARAMETERS---
  TRAF=LA  IMP=9  TPL=0  EML=  3.0  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  25  Q2=  30  CNOTCH: Q1=   0  Q2=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
   TRK=7501  TRK#=008589  CHAN=    1
    TRAN     H&D   PRM=0500010973
-------------------
◆◆ END RESULTS ◆◆
?
```

Fig. 4—Example of Trunk Testing Printout—Batch Tests Results

```
?←DISPLAY:TRK#=8588
 TG=DF52SP2511195 ADAROR21745 D- PTLDOR6203T  TG#=000002  CGSN=
 FAC=  108T1          ADAROR21   CRVSOR65     FAC#=000008
  ---TEST PARAMETERS---
  TRAF=SP  IMP=9  TPL=0  EML=  6.0  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  22  Q2=  28  CNOTCH: Q1=   0  Q2=   0
   TRK=6411  TRK#=008588  CHAN=   11  TLA=  01950
    L/N       TUE 06/08/82  19:03  ANS
     LEVEL-0   -5.6           -5.6
     CMESS     22             25    (Q1)
-------------------
?
```

Fig. 5—Example of Data Display Printout—Data Display of Trunk Identified by CAROT Trunk Number

```
?RUN:REPRT
ENTER NUMBER FOR REPORT DESIRED, OR 99 TO END.
   1)  DAILY OFFICE SUMMARY
   2)  DAILY OFFICE TRANSMISSION SUMMARY
   3)  DAILY OFFICE OPERATIONAL SUMMARY
   4)  DAILY OFFICE EOTT SUMMARY
REP?2


                              PORTLAND/JJP
                    CAROT - DAILY TRANSMISSION SUMMARY
                       6:35 AM  WED.,  9  JUNE, 1982
              ----------------------------------------------

                            %    NOT   % NOT   NOT  % NOT          %
ROTL OFFICE   SCHED TESTD TESTD TRIED TRIED ACCSD ACCSD   Q2    Q2     Q1
------------  ----- ----- ----- ----- ----- ----- ----- ----- ----- -----

ADAROR217450     84    80  95.2     0   0.0     6   7.1     0   0.0    10
ALBYOR63CG00                ***** NOT SCHEDULED *****
ASTROR6401T0                ***** NOT SCHEDULED *****
BAKROR2301T0                ***** NOT SCHEDULED *****
BENDOR2401T0                ***** NOT SCHEDULED *****
BENDOR24CG00                ***** NOT SCHEDULED *****
BTLGWA016870                ***** NOT SCHEDULED *****
CNPNOR296640    129    77  59.6     0   0.0     1    .7     0   0.0    12
CRVSOR65CG00     10     1  10.0     0   0.0     1  10.0     0   0.0     0
CSRKWA012740                ***** NOT SCHEDULED *****
NPLNOR626470     18     0   0.0     0   0.0     1   5.5     0   0.0     0
NWPTOR3501T0                ***** NOT SCHEDULED *****
ORCHWA01CG00                ***** NOT SCHEDULED *****
ORCYOR18CG00                ***** NOT SCHEDULED *****
PHNXOR555350                ***** NOT SCHEDULED *****
PNTNOR5601T0                ***** NOT SCHEDULED *****
PTLDOR0229X0                ***** NOT SCHEDULED *****
PTLDOR08MG10     43     9  20.9     0   0.0     0   0.0     0   0.0     0
PTLDOR1125X0                ***** NOT SCHEDULED *****
PTLDOR11MG10                ***** NOT SCHEDULED *****
PTLDOR12CG00                ***** NOT SCHEDULED *****
PTLDOR1323X0                ***** NOT SCHEDULED *****
PTLDOR13CG00                ***** NOT SCHEDULED *****
PTLDOR14CG00                ***** NOT SCHEDULED *****
PTLDOR17CG00                ***** NOT SCHEDULED *****
PTLDOR18CG00                ***** NOT SCHEDULED *****
PTLDOR6203T0   2192  2163  98.6     0   0.0    59   2.6     1    .0   270
PTLDOR69CG00                ***** NOT SCHEDULED *****
*** BREAK ***
? STOP
REP?
```

Fig. 6—Example of Data Display Printout—Daily Transmission Summary Report

```
?♦DISPLAY:TG#=1
 TG=DF50TD2511036 ADARDR21745 D- CRVSDR6531T  TG#=000001  CGSN=
 GROUP HAS 14 TRUNKS
 FAC=  102T1          ADARDR21   CRVSDR65     FAC#=000003
  ---TEST PARAMETERS---
 TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
 CMESS : Q1=  20  Q2=  36  CNOTCH: Q1=   0  Q2=   0
  TRK= 501  TRK#=008564  CHAN=   14  TLA=  01810
   L/N       TUE 06/08/82  21:31  H&D  H&D  ANS
    LEVEL-0   -6.4           -5.7
    CMESS      16             16
   DPRL      TUE 06/08/82  21:32  RERR RERR ANS
    P
  TRK= 502  TRK#=008565  CHAN=   15  TLA=  01910
   L/N       TUE 06/08/82  18:02  ANS
    LEVEL-0   -5.7           -5.7
    CMESS      17             16
   DPRL      TUE 06/08/82  18:02  ANS
    P
  TRK= 503  TRK#=008566  CHAN=   16  TLA=  00020
   L/N       TUE 06/08/82  21:32  H&D  H&D  ANS
    LEVEL-0   -5.7           -5.7
    CMESS      17             16
   DPRL      TUE 06/08/82  21:32  RERR RERR ANS
    P
  TRK= 504  TRK#=008567  CHAN=   17  TLA=  00120
   L/N       TUE 06/08/82  21:07  H&D  ANS
    LEVEL-0   -5.1           -5.6
    CMESS     -...           -...
   DPRL      TUE 06/08/82  21:07  RERR ANS
    P
  TRK= 505  TRK#=008568  CHAN=   18  TLA=  00220
   L/N       TUE 06/08/82  18:05  ANS
    LEVEL-0   -6.1           -5.9
    CMESS     -...           17
   DPRL      TUE 06/08/82  18:05  ANS
    P
  TRK= 506  TRK#=008569  CHAN=   19  TLA=  00320
   L/N       TUE 06/08/82  18:06  ANS
    LEVEL-0   -6.4           -3.0  (Q1)
    CMESS     -...           16
   DPRL      TUE 06/08/82  18:06  ANS
    P
  TRK= 507  TRK#=008570  CHAN=   20  TLA=  00420
   L/N       TUE 06/08/82  18:07  ANS
    LEVEL-0   -5.5           -5.3
    CMESS      17             16
   DPRL      TUE 06/08/82  18:07  ANS
    P
```

Fig. 7—Example of Data Display Printout Request—All Trunks in a Specified Trunk Group (Sheet 1 of 2)

```
   TRK= 508  TRK#=008571  CHAN=   21  TLA=  00520
    L/N       TUE 06/08/82  18:07  ANS
     LEVEL-0   -5.0           -5.7
     CMESS      17             16
    OPRL      TUE 06/08/82  18:08  ANS
     P
   TRK= 509  TRK#=008572  CHAN=   22  TLA=  00620
    L/N       TUE 06/08/82  18:08  ANS
     LEVEL-0   -5.5           -4.9
     CMESS      16            -...
    OPRL      TUE 06/08/82  18:09  ANS
     P
   TRK= 510  TRK#=008573  CHAN=   23  TLA=  00720
    L/N       TUE 06/08/82  18:09  ANS
     LEVEL-0   -5.2           -4.9
     CMESS      19            -...
    OPRL      TUE 06/08/82  18:10  ANS
     P
   TRK= 511  TRK#=008574  CHAN=   24  TLA=  00820
    L/N       TUE 06/08/82  18:10  ANS
     LEVEL-0   -5.4           -4.8
     CMESS      18            -...
    OPRL      TUE 06/08/82  18:10  ANS
     P
FAC=  101T1          ADARDR21   CRVSDR65     FAC#=000002
 ---TEST PARAMETERS---
 TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
 CMESS : Q1=  20  Q2=  36  CNOTCH: Q1=   0  Q2=   0
  TRK= 512  TRK#=008575  CHAN=   24  TLA=  00920
   L/N       TUE 06/08/82  18:11  ANS
    LEVEL-0   -5.2           -4.7
    CMESS      20            -...
   OPRL      TUE 06/08/82  18:11  ANS
    P
FAC=  107T1          ADARDR21   CRVSDR65     FAC#=000007
 ---TEST PARAMETERS---
 TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
 CMESS : Q1=  20  Q2=  36  CNOTCH: Q1=   0  Q2=   0
  TRK= 513  TRK#=008576  CHAN=   13  TLA=  00440
   L/N       TUE 06/08/82  18:12  ANS
    LEVEL-0   -6.1           -5.9
    CMESS      16             16
   OPRL      TUE 06/08/82  18:12  ANS
    P
   TRK= 514  TRK#=008577  CHAN=   14  TLA=  00540
    L/N       TUE 06/08/82  18:13  ANS
     LEVEL-0   -5.5           -6.6  (Q1)
     CMESS    -...            -...
    OPRL      TUE 06/08/82  18:13  ANS
     P
------------------
?
```

Fig. 7—Example of Data Display Printout Request—All Trunks in a Specified Trunk Group (Sheet 2 of 2)

```
?◆TEST:ITEM=ALM038161/002
EST. COMPLETION: 15:50 EST
?◆◆◆ RESULTS ARE READY ◆◆◆
?BATRS:ALL
 1. ◆TEST:ITEM=ALM038161/002
◆◆◆ FAILED CIRCUIT ORDER LIMITS
 ROTL=CLMNALMA73A0
  ---TEST PARAMETERS---
  TRAF=CA  IMP=9  TPL=0  EML=  5.0  QC=+/-   .5
  L400  : QCL=  2.0  QCU=  1.0
  L2800 : QCL=  2.0  QCU=  1.0
  CMESS : QC=  23  CNOTCH: QC=  33
  ERL   : QCNE=  10  QCFE=  10
  SRL   : QCNE=  15  QCFE=  15
  ---TEST LINES---
  TRAN  : 105
  ---TEST PROBLEMS---
  BALNE : RESPONDER NOT BALANCE EQUIPPED
  BALFE : RESPONDER NOT BALANCE EQUIPPED
  OPRL  : TEST NOT ALLOWED WITH THIS TRAFFIC USAGE
  BUSY  : NOT EOTT EQUIPPED
  ---TEST RESULTS---
    TRAN     ANS    PRM=1501040021315970990O
     LEVEL-0   -3.5  (QC)     -3.5  (QC)
     CMESS      21             21
     CNOTCH     40    (QC)     40    (QC)
     L400     -19.5            -19.5
     L1000    -19.5  (QC)     -19.5  (QC)
     L2800    -19.5            -19.5
-------------------
◆◆ END RESULTS ◆◆
?
```

Fig. 8—Demand Test of Single Circuit Order Item

```
?COMP:ITEM=ALM00011/003,EML=3.2,IMP=6
?COMP:ITEM=ALM00012/001,OVER
?SUBMIT
EST. COMPLETION: 09:51 EST
?*** RESULTS ARE READY ***
?BATRS:ALL
 1. COMP:ITEM=ALM00011/003,EML=3.2,IMP=6
*** ITEM COMPLETED
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG   IMP=6   TPL=0   EML=   3.2   QC=+/-   2.0
  L400   : QCL=   2.0   QCU=   2.0
  L2800  : QCL=   2.0   QCU=   2.0
  CMESS  : QC=   31   CNOTCH: QC=   50
  ERL    : QCNE=   20   QCFE=    0
  SRL    : QCNE=   20   QCFE=    0
  ---TEST LINES---
  TRAN   : 105
  BAL    : 105
  OPRL   : SYN
  ---TEST RESULTS---
    TRAN     ANS    PRM=05026109976
     LEVEL-0    -3.5            -3.5
     CMESS      21               21
     CNOTCH     40               40
     L400      -19.5            -19.5
     L1000     -19.5            -19.5
     L2800     -19.5            -19.5
     ERL        30               30
     SRL        30               30
     SRLH       30               30
    OPRL     ANS    PRM=21026102398
     P
-------------------
 2. COMP:ITEM=ALM00012/001,OVER
*** ITEM COMPLETED
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG   IMP=9   TPL=0   EML=   3.5   QC=+/-   2.0
  L400   : QCL=   2.0   QCU=   2.0
  L2800  : QCL=   2.0   QCU=   2.0
  CMESS  : QC=   31   CNOTCH: QC=   50
  ERL    : QCNE=   20   QCFE=    0
  SRL    : QCNE=   20   QCFE=    0
  ---TEST LINES---
  TRAN   : 105
  OPRL   : NON
  ---TEST RESULTS---
    TRAN     ANS    PRM=050029062070
     LEVEL-0    -3.5            -3.5
     CMESS      21               21
     CNOTCH     40               40
     L400      -19.5            -19.5
     L1000     -19.5            -19.5
     L2800     -19.5            -19.5
    OPRL     ANS    PRM=200029062930
     P
-------------------
** END RESULTS **
?
```

Fig. 9—Complete Circuit Order Items Associated With Same Circuit Order—CAROT Testable

```
?♦DISPLAY:CKTO=ALM038161
 /PC          ALM038161SELMALMT87X
 /PV          ALM038161001 AC011110/30/82
 /AP
 /YGDF53CAANI      CLMNALMA73A M- DCTRALMT56T       17A
 /YBCLMNALMA73ACLMNALMA73A0DCTRALMT56T
 /GF  119T1V         CLMNALMA    DCTRALMT
 /TGDF53CAANI      CLMNALMA73A M- DCTRALMT56T       17A
 /TF  119T1V         CLMNALMA    DCTRALMT
 /THCA900090050              0E010030090099             2
 /TP 5 5102328204010202040102033810151015152015 20
 /TT  16    4000016104002
 /PE
    COMPLETED =   NO    CANCELLED =   NO
 /PC          ALM038161SELMALMT87X
 /PV          ALM038161002 AC101110/30/82
 /AP
 /YGDF53CAANI      CLMNALMA73A M- DCTRALMT56T       18A
 /YBCLMNALMA73ACLMNALMA73A0DCTRALMT56T
 /GF  119T1V         CLMNALMA    DCTRALMT
 /TGDF53CAANI      CLMNALMA73A M- DCTRALMT56T       18A
 /TF  119T1V         CLMNALMA    DCTRALMT
 /THCA900090050              0E010030090099             2
 /TP 5 5102328204010202040102033810151015152015 20
 /TT  17    5010115104002
 /PE
    COMPLETED =   NO    CANCELLED =   NO
 /PC          ALM038161SELMALMT87X
 /PV          ALM038161003 AC001110/30/82
 /AP
 /YGDF53CAANI      CLMNALMA73A M- DCTRALMT56T       19A
 /YBCLMNALMA73ACLMNALMA73A0DCTRALMT56T
 /GF  119T1V         CLMNALMA    DCTRALMT
 /TGDF53CAANI      CLMNALMA73A M- DCTRALMT56T       19A
 /TF  119T1V         CLMNALMA    DCTRALMT
 /THCA900090050              0E010030090099             2
 /TP 5 5102328204010202040102033810151015152015 20
♦♦♦ BREAK ♦♦♦
? STOP
?
```

Fig. 10—Display All Circuit Order Items Associated With a Circuit Order Number

TABLE A

REMOTE-USER FUNCTIONS AND CAPABILITIES

FUNCTION CODE	COMMANDS OR MODE	MEANING
AC	RTRES DISPLAY TEST TDL	Allows access to data from control offices other than the one currently assigned.
CM	RUN MODE	Allows user to perform console functions (CONSO).
	RMTDL	Allows user to remove temporary daily list (TDL).
	TDL	Allows the **TDL:ALL**.
CP	PASSWORD	Allows user to change password.
ID	DISPLAY	Allows **DISPLAY:INDX.COFC** for assigned control office (or all if AC function is enabled).
IN	RUN MODE	Allows user to execute interrogator (INTER).
MS	DISPLAY	Allows **DISPLAY:MNGS.COFC** for assigned control office (or all if AC enabled).
C1	RUN MODE	Allows user to run programs SELEC, EDIT, RPG, PHAS1, and REPRT.
	LFILE	Allows list of any file.
C2	RUN MODE	Allows user to run programs SELECT, RPG, and REPRT.
OC	OPER	Allows user to send messages to controller operator.
CY	DISPLAY TEST COMPLETE	Allows access to data from plant control offices other than the one currently assigned.
CD	DISPLAY	Allows **DISPLAY:CNF.PCO** for assigned plant control office.
	COMPLETE	Allows completions for data on assigned plant control office.
DC	COMPLETE	Allows user to change data parameters.
DD	COMPLETE	Allows user to change data parameters.
OV	COMPLETE	Allows user to override test failures.
CL		None of the above features.
AL		All of the above features.

TABLE A (Contd)

REMOTE-USER FUNCTIONS AND CAPABILITIES

FUNCTION CODE	COMMANDS OR MODE	MEANING
FA		CP, ID, MS, and OC function codes assigned to user.
FB		AC, CM, CP, ID, IN, and MS function codes assigned to user.
CA		CD and OV function codes assigned to user.
CB		CD, CY, DC, DD, and OV function codes assigned to user.

Fig. 11—Message Revision—Help Command

Fig. 12—Message Deletion

```
?→DISPLAY:TG#=1
 TG=DF50TD2511036 ADARDR21745 D- CRVSDR6531T  TG#=000001  CGSN=
 GROUP HAS 14 TRUNKS
 FAC=  102T1          ADARDR21    CRVSDR65      FAC#=000003
  ---TEST PARAMETERS---
 TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
 CMESS : Q1=  20  Q2=  36  CNDTCH: Q1=   0  Q2=   0
  TRK= 501  TRK#=008564  CHAN=   14  TLA=  01810
   L/N        TUE 06/08/82  21:31  H&D  H&D  ANS
    LEVEL-0   -6.4            -5.7
    CMESS      16              16
   DPRL       TUE 06/08/82  21:32  RERR RERR ANS
    P
  TRK= 502  TRK#=008565  CHAN=   15  TLA=  01910
   L/N        TUE 06/08/82  18:02  ANS
    LEVEL-0   -5.7            -5.7
    CMESS      17              16
   DPRL       TUE 06/08/82  18:02  ANS
    P
  TRK= 503  TRK#=008566  CHAN=   16  TLA=  00020
   L/N        TUE 06/08/82  21:32  H&D  H&D  ANS
    LEVEL-0   -5.7            -5.7
    CMESS      17              16
   DPRL       TUE 06/08/82  21:32  RERR RERR ANS
    P
  TRK= 504  TRK#=008567  CHAN=   17  TLA=  00120
   L/N        TUE 06/08/82  21:07  H&D  ANS
    LEVEL-0   -5.1            -5.6
    CMESS     -...            -...
   DPRL       TUE 06/08/82  21:07  RERR ANS
    P
  TRK= 505  TRK#=008568  CHAN=   18  TLA=  00220
   L/N        TUE 06/08/82  18:05  ANS
    LEVEL-0   -6.1            -5.9
    CMESS     -...             17
   DPRL       TUE 06/08/82  18:05  ANS
    P
  TRK= 506  TRK#=008569  CHAN=   19  TLA=  00320
   L/N        TUE 06/08/82  18:06  ANS
    LEVEL-0   -6.4            -3.0  (Q1)
    CMESS     -...             16
   DPRL       TUE 06/08/82  18:06  ANS
    P
  TRK= 507  TRK#=008570  CHAN=   20  TLA=  00420
   L/N        TUE 06/08/82  18:07  ANS
    LEVEL-0   -5.5            -5.3
    CMESS      17              16
   DPRL       TUE 06/08/82  18:07  ANS
    P
  TRK= 508  TRK#=008571  CHAN=   21  TLA=  00520
   L/N        TUE 06/08/82  18:07  ANS
    LEVEL-0   -5.0            -5.7
    CMESS      17              16
   DPRL       TUE 06/08/82  18:08  ANS
    P
```

Fig. 13—Example of Data Display Request—Use of Brief Command (Sheet 1 of 3)

```
    TRK= 509  TRK#=008572  CHAN=   22  TLA=  00620
     L/N        TUE 06/08/82  18:08  ANS
      LEVEL-0    -5.5            -4.9
      CMESS      16              -...
     OPRL       TUE 06/08/82  18:09  ANS
      P
    TRK= 510  TRK#=008573  CHAN=   23  TLA=  00720
     L/N        TUE 06/08/82  18:09  ANS
      LEVEL-0    -5.2            -4.9
      CMESS      19              -...
     OPRL       TUE 06/08/82  18:10  ANS
      P
    TRK= 511  TRK#=008574  CHAN=   24  TLA=  00820
     L/N        TUE 06/08/82  18:10  ANS
      LEVEL-0    -5.4            -4.8
      CMESS      18              -...
     OPRL       TUE 06/08/82  18:10  ANS
      P
  FAC=  101T1          ADARDR21    CRVSDR65      FAC#=000002
   ---TEST PARAMETERS---
   TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
   CMESS : Q1=  20  Q2=  36  CNOTCH: Q1=   0  Q2=   0
    TRK= 512  TRK#=008575  CHAN=   24  TLA=  00920
     L/N        TUE 06/08/82  18:11  ANS
      LEVEL-0    -5.2            -4.7
      CMESS      20              -...
     OPRL       TUE 06/08/82  18:11  ANS
      P
  FAC=  107T1          ADARDR21    CRVSDR65      FAC#=000007
   ---TEST PARAMETERS---
   TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
   CMESS : Q1=  20  Q2=  36  CNOTCH: Q1=   0  Q2=   0
    TRK= 513  TRK#=008576  CHAN=   13  TLA=  00440
     L/N        TUE 06/08/82  18:12  ANS
      LEVEL-0    -6.1            -5.9
      CMESS      16              16
     OPRL       TUE 06/08/82  18:12  ANS
      P
    TRK= 514  TRK#=008577  CHAN=   14  TLA=  00540
     L/N        TUE 06/08/82  18:13  ANS
      LEVEL-0    -5.5            -6.6  (Q1)
      CMESS     -...             -...
     OPRL       TUE 06/08/82  18:13  ANS
      P
--------------------
?BRIEF:ON
```

Fig. 13—Example of Data Display Request—Use of Brief Command (Sheet 2 of 3)

```
?◆DISPLAY:TG#=1
 TG=DF50TD2511036 ADARDR21745 D- CRVSDR6531T  TG#=000001  CGSN=
 GROUP HAS 14 TRUNKS
 FAC=  102T1          ADARDR21   CRVSDR65     FAC#=000003
  ---TEST PARAMETERS---
  TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  20  Q2=  36  CNDTCH: Q1=   0  Q2=   0
   TRK= 501  TRK#=008564  CHAN=   14  TLA=  01810
   TRK= 502  TRK#=008565  CHAN=   15  TLA=  01910
   TRK= 503  TRK#=008566  CHAN=   16  TLA=  00020
   TRK= 504  TRK#=008567  CHAN=   17  TLA=  00120
   TRK= 505  TRK#=008568  CHAN=   18  TLA=  00220
   TRK= 506  TRK#=008569  CHAN=   19  TLA=  00320
   TRK= 507  TRK#=008570  CHAN=   20  TLA=  00420
   TRK= 508  TRK#=008571  CHAN=   21  TLA=  00520
   TRK= 509  TRK#=008572  CHAN=   22  TLA=  00620
   TRK= 510  TRK#=008573  CHAN=   23  TLA=  00720
   TRK= 511  TRK#=008574  CHAN=   24  TLA=  00820
 FAC=  101T1          ADARDR21   CRVSDR65     FAC#=000002
  ---TEST PARAMETERS---
  TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  20  Q2=  36  CNDTCH: Q1=   0  Q2=   0
   TRK= 512  TRK#=008575  CHAN=   24  TLA=  00920
 FAC=  107T1          ADARDR21   CRVSDR65     FAC#=000007
  ---TEST PARAMETERS---
  TRAF=TD  IMP=9  TPL=0  EML=  5.5  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  20  Q2=  36  CNDTCH: Q1=   0  Q2=   0
   TRK= 513  TRK#=008576  CHAN=   13  TLA=  00440
   TRK= 514  TRK#=008577  CHAN=   14  TLA=  00540
------------------
?
```

Fig. 13—Example of Data Display Request—Use of Brief Command (Sheet 3 of 3)

```
?RUN:REPRT
ENTER NUMBER FOR REPORT DESIRED, OR 99 TO END.
   1)  DAILY OFFICE SUMMARY
   2)  DAILY OFFICE TRANSMISSION SUMMARY
   3)  DAILY OFFICE OPERATIONAL SUMMARY
   4)  DAILY OFFICE EOTT SUMMARY
REP?2


                              PORTLAND/JJP
                   CAROT - DAILY TRANSMISSION SUMMARY
                      12:05 PM  WED.,  9  JUNE, 1982
            -----------------------------------------------

                             %    NOT  % NOT   NOT  % NOT          %
ROTL OFFICE   SCHED TESTD TESTD TRIED TRIED ACCSD ACCSD   Q2     Q2     Q1
-----------   ----- ----- ----- ----- ----- ----- ----- ----- ----- -----

ADAROR217450     84    80  95.2     0   0.0     6   7.1     0   0.0    10
ALBYOR63CG00               ***** NOT SCHEDULED *****
ASTROR6401T0               ***** NOT SCHEDULED *****
BAKROR2301T0               ***** NOT SCHEDULED *****
BENDOR2401T0               ***** NOT SCHEDULED *****
BENDOR24CG00               ***** NOT SCHEDULED *****
BTLGWA016870               ***** NOT SCHEDULED *****
CNPNOR296640    129    85  65.8     0   0.0    51  39.5     4   4.7    13
CRVSOR65CG00     10     2  20.0     0   0.0    12 120.0     1  50.0     0
CSRKWA012740               ***** NOT SCHEDULED *****
*** BREAK ***
? GO
CTGVOR539420               ***** NOT SCHEDULED *****
DLLSOR586230               ***** NOT SCHEDULED *****
EUGNOR28MG10               ***** NOT SCHEDULED *****
EUGNOR5301T0               ***** NOT SCHEDULED *****
EUGNOR53CG00               ***** NOT SCHEDULED *****
GLHLOR558550               ***** NOT SCHEDULED *****
GRPSOR29CG00               ***** NOT SCHEDULED *****
KLFLOR54CG00               ***** NOT SCHEDULED *****
*** BREAK ***
? STOP
REP?99
?
```

Fig. 14—Example of Printout Interrupt

TABLE B

ERROR MESSAGES

ERROR MESSAGES RETURNED BY REMOTE USER PROGRAM
INVALID KEYWORD *xxxxxxxx*
SYNTAX ERROR FOR KEYWORD *xxxxxxxx*
BAD DATA FIELD FOR KEYWORD *xxxxxxxx*
INCORRECT DATA FIELD LENGTH FOR *xxxxxxxx*
ACCESS NOT AUTHORIZED FOR *xxxxxxxx*
INPUT LINE TOO LONG — RE-ENTER
TOO MANY LINES — RE-ENTER WITHOUT ';'
DATA NOT FOUND IN DATABASE FOR *xxxxxxx*
NON-NUMERICAL CHARACTER IN *xxxxxxxx*
COMMAND SYNTAX ERROR
ACCESS NOT AUTHORIZED FOR THIS FUNCTION
SYSTEM ASLEEP — BYE!
BATCH HAS BEEN SUBMITTED PREVIOUSLY
NO PHONE NUMBER GIVEN
BATCH IS CURRENTLY BEING PROCESSED — RESUBMIT LATER
YOU DO NOT HAVE A BATCH STARTED
YOU DO NOT HAVE A BATCH SUBMITTED
KEYWORD *xxxxxxxx* VALID FOR TEST COMMAND ONLY
KEYWORD *xxxxxxxx* VALID FOR COMP COMMAND ONLY
KEYWORD *xxxxxxxx* VALID FOR ITEM OBJECT ONLY
INVALID PROGRAM NAME
HELP KEYWORD NOT FOUND — TRY HELP:HELP FOR ASSISTANCE
HELP FILE IN USE — TRY LATER
RESULT FILE ACCESS ERROR — NOTIFY OPERATOR
NO ROUTINE RESULTS FOUND
ROUTINE RESULTS NOT AVAILABLE
NOT FINISHED YET
LINE SPECIFIED ALREADY DELETED
OBJECT MUST BE 'ALL' OR NUMERIC
LINE NOT IN BATCH
BATCH CANNOT BE ACCEPTED AT THIS TIME
INCORRECT PASSWORD *xxxxxxxxxxx*
NEW PASSWORD *xxxxxxx* CONTAINS INVAID CHARACTERS
NEW PASSWORD *xxxxxxx* INVALID LENGTH OR ALL BLANKS
PASSWORD CHANGE NOT ACCEPTED BY ACCTS PROGRAM
USER ALREADY LOGGED ON
LOGON NOT ACCEPTED BY ACCTS
USER NOT ALLOCATED
DATABASE CHANGED SINCE BATCH CREATION
NOT ALLOWED — ANALYSIS IN PROGRESS
REQUEST ABORTED — SYSTEM ERROR ENCOUNTERED — TRY AGAIN
REQUEST ABORTED — SYSTEM RESOURCE UNAVAILABLE — TRY LATER
REQUEST ABORTED — SYSTEM ERROR ENCOUNTERED — NOTIFY OPERATOR
USER VALIDATION ERROR — UNABLE TO CONTINUE
NO ENTRIES FOUND TO REMOVE
NOT ALLOWED — ROUTINE TESTING OR SCHEDULING IN PROGRESS

TABLE B (Contd)

ERROR MESSAGES

ERROR MESSAGES RETURNED BY REMOTE USER PROGRAM
NO TRUNKS EXIST FOR *xxxxxxx*
TEST PORT INTERROGATOR
ILLEGAL INTERROGATOR COMMAND
NO PORT ASSIGNED
ONLY AT SYSTEM CONSOLE
NO PORTS AVAILABLE — TRY LATER
MISSING = IN *xxxx*
FIELD *xx* TOO LONG
TESTLINE NOT 0,2 OR 5, SET TO 0
TEST PAD NOT 0 OR 2, SET TO 0
IMPEDANCE NOT 6 OR 9, SET TO 6
WRONG DIAL TYPE, SET TO TT
DIAL NUMBER > 12 DIGITS
xxx BAD TEST TYPE
NO RTTU PORTS FOR THIS ISSUE
PORT NUMBER CAN NOT BE SPECIFIED
PORT ALREADY ASSIGNED
INVALID PORT NUMBER
PORT IN USE OR DOWN
xx NOT FOUND
12/16/82 9:15 NO DIAL TONE ON PORT *xx* PORT *xx*=NO
DIAL PHONE NUMBER NOT ENTERED
MODE MUST BE DP OR TT
FIELD NUMBER WRONG
FIELD NOT SET
MODE MUST BE MF OR DF

TABLE C

CIRCUIT ORDER ERROR MESSAGES THAT MAY
BE GENERATED DURING BATCH CREATION

CIRCUIT ORDER ERROR MESSAGES
ALREADY COMPLETED
HAS BEEN CANCELLED
NONE OF THE ITEMS CAN BE COMPLETED — ONLY THE CKTO WILL BE COMPLETED
SOME ITEMS CANNOT BE COMPLETED
NONE OF THE ITEMS CAN BE TESTED
SOME ITEMS CANNOT BE TESTED
CANNOT BE TESTED — ROTL OR FETL NOT FOUND
DATA CHANGES NOT AUTHORIZED ON THIS ITEM
UNRECOGNIZED OR INCOMPLETE DATA IN ITEM
ITEM TO CANCEL ALREADY COMPLETED
ITEM TO CANCEL HAS BEEN CANCELLED
ITEM TO CANCEL NOT FOUND
CAN'T BE TESTED BY CAROT
CAN'T BE COMPLETED BY CAROT
NOT ENABLED TO PERFORM COMPLETIONS
NOT ENABLED TO PERFORM DATA CHANGES
NOT ENABLED TO PERFORM DUE DATE CHANGES
NOT ENABLED TO OVERRIDE TEST FAILURES

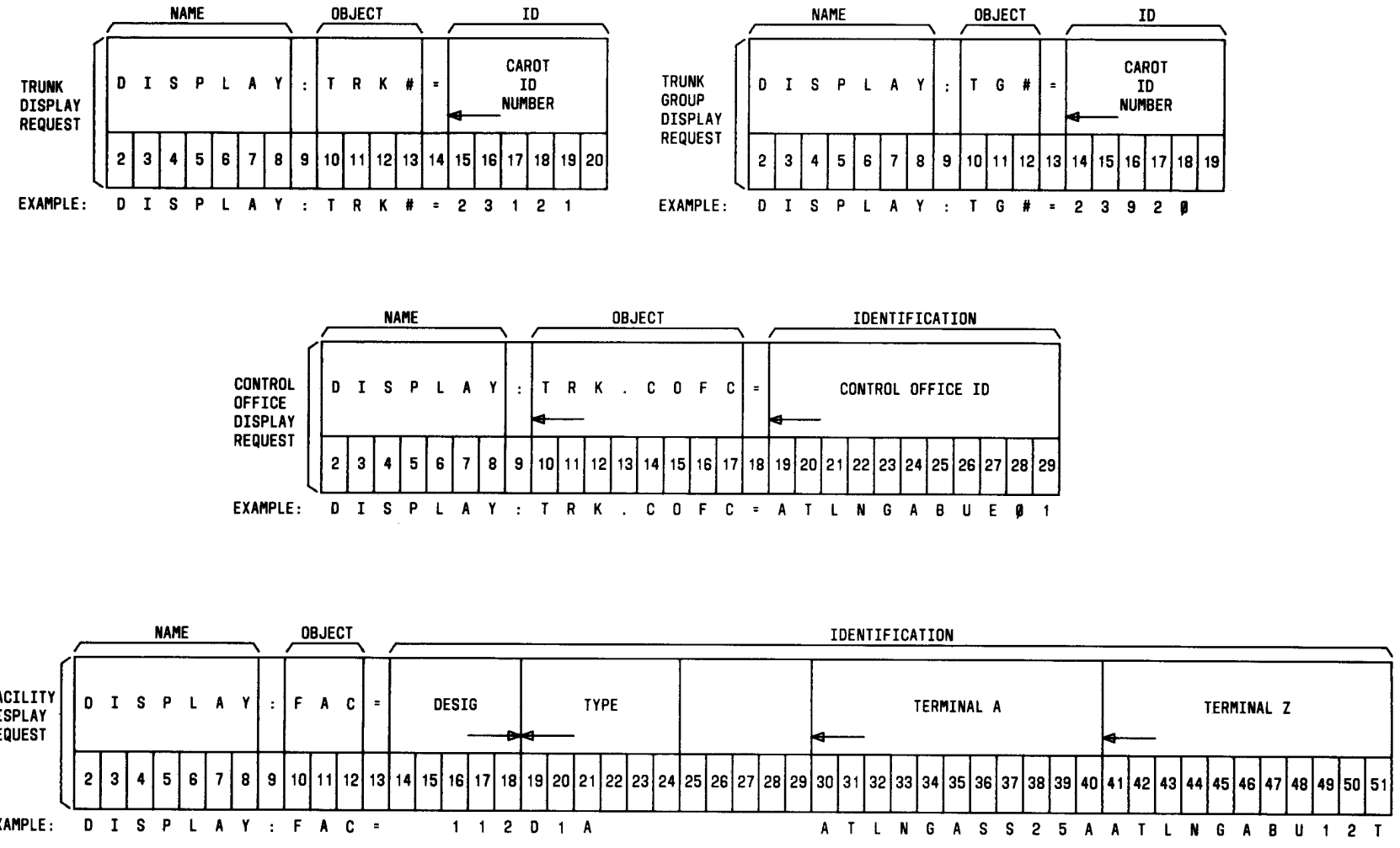


Fig. 15—Examples of Commands—Format Use of Blank Spaces and Justification Arrows

TABLE D

CROSS-REFERENCE OF TEST AND DISPLAY COMMANDS TO FIGURES AND PROCEDURES

TEST AND DISPLAY COMMANDS			DISPLAYS		TESTS	
OBJECT CODE	IDENTIFICATION	DESCRIPTION	USE COMMAND FORMAT SHOWN IN FIGURE	USE PROCEDURE	USE COMMAND FORMAT SHOWN IN FIGURE	USE PROCEDURE
TRK#	CAROT trunk number	Test or display trunk identified by CAROT number	38	21	20,21,32	8,9,20
TRK	Trunk CLLI	Test or display trunk specified	40	23	26,27,33	14,15,20
TG#	CAROT trunk group number	Test or display trunk group identified by CAROT number	39	22	22,23,34	10,11,20
TG	Trunk group CLLI	Test or display all trunks on trunk group specified	41	24	28,29,35	16,17,20
FAC#	CAROT facility number	Test on display All trunks in a facility	52	27	32,33	12,13
FAC	Facility CLCI	Test or display all trunks on facility specified	43	26	30,31,37	18,19,20
INDX.COFC	Control office CLLI	Display index data for control office specified	—	28	—	—
MNGS.COFC	Control office CLLI	Display management summary for control office specified	45	31	—	—
ROTL.COFC	Control office CLLI	Displays all ROTLs associated with specified control office	—	29	—	—
TG.COFC	Control office CLLI	Display all trunk groups from control office specified	—	30	—	—
TRK.COFC	Control office CLLI	Display all trunks for control office specified	42	25	—	—

```
?♦TEST:TRK#=8587
EST. COMPLETION: 12:20 EDT
?DATE
WED 06/09/82 12:21 EDT
?♦♦♦ RESULTS ARE READY ♦♦♦
?BATRS:ALL
 1. ♦TEST:TRK#=8587
 ROTL=ADARDR217450
 TG=DF52SP2511195 ADARDR21745 D- PTLDDR6203T  TG#=000002  CGSN=
 FAC=  108T1          ADARDR21    CRVSDR65     FAC#=000008
  ---TEST PARAMETERS---
  TRAF=SP  IMP=9  TPL=0  EML=  6.0  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  22  Q2=  28  CNOTCH: Q1=   0  Q2=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
   TRK=6410  TRK#=008587  CHAN=   10
    TRAN    ANS   PRM=05018509591551
     LEVEL-0   -6.3           -5.3
     CMESS     22             22
--------------------
♦♦ END RESULTS ♦♦
?
```

Fig. 16—Example of Demand Test Printout

```
?BRIEF:ON
?♦DISPLAY:TG#=3
 TG=DF54LA2511200 ADARDR21745 D- CRVSDR6502T  TG#=000003  CGSN=
 GROUP HAS 21 TRUNKS
 FAC=  103T1          ADARDR21    CRVSDR65      FAC#=000004
  ---TEST PARAMETERS---
  TRAF=LA  IMP=9  TPL=0  EML=  3.0  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  25  Q2=  30  CNOTCH: Q1=   0  Q2=   0
   TRK=7501  TRK#=008589  CHAN=    1  TLA=  00010
   TRK=7502  TRK#=008590  CHAN=    2  TLA=  00110
   TRK=7503  TRK#=008591  CHAN=    3  TLA=  00210
   TRK=7504  TRK#=008592  CHAN=    4  TLA=  00310
   TRK=7505  TRK#=008593  CHAN=    5  TLA=  00410
   TRK=7506  TRK#=008594  CHAN=    6  TLA=  00510
   TRK=7507  TRK#=008595  CHAN=    7  TLA=  00610
   TRK=7508  TRK#=008596  CHAN=    8  TLA=  00710
   TRK=7509  TRK#=008597  CHAN=    9  TLA=  00810
   TRK=7510  TRK#=008598  CHAN=   10  TLA=  00910
   TRK=7511  TRK#=008599  CHAN=   11  TLA=  01010
   TRK=7512  TRK#=008600  CHAN=   12  TLA=  01110
   TRK=7513  TRK#=008601  CHAN=   13  TLA=  01210
 FAC=  106T1          ADARDR21    CRVSDR65      FAC#=000006
  ---TEST PARAMETERS---
  TRAF=LA  IMP=9  TPL=0  EML=  3.0  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  25  Q2=  30  CNOTCH: Q1=   0  Q2=   0
   TRK=7514  TRK#=008602  CHAN=   16  TLA=  01310
   TRK=7515  TRK#=008603  CHAN=   17  TLA=  01410
   TRK=7516  TRK#=008604  CHAN=   21  TLA=  01510
   TRK=7517  TRK#=008605  CHAN=   22  TLA=  01610
   TRK=7518  TRK#=008606  CHAN=   23  TLA=  01710
 FAC=  107T1          ADARDR21    CRVSDR65      FAC#=000007
  ---TEST PARAMETERS---
  TRAF=LA  IMP=9  TPL=0  EML=  3.0  Q1=+/-  1.0  Q2=+/-  3.7
  CMESS : Q1=  25  Q2=  30  CNOTCH: Q1=   0  Q2=   0
   TRK=7519  TRK#=008607  CHAN=   10  TLA=  00640
   TRK=7520  TRK#=008608  CHAN=   11  TLA=  00740
   TRK=7521  TRK#=008609  CHAN=   12  TLA=  00840
------------------
?
```

Fig. 17—Example of Data Display Request

TABLE E

MESSAGES GENERATED BY CIRCUIT ORDER COMPLETION REQUESTS

*** COULD NOT CANCEL — CANCELLED ITEM NOT FOUND
*** COULD NOT CANCEL — CANCELLED ITEM READ ERROR
*** COULD NOT CANCEL — CANCELLED ITEM WRITE ERROR
*** COULD NOT COMPLETE — SYSTEM ASLEEP
*** COULD NOT COMPLETE — FAILED CIRCUIT ORDER LIMITS
*** COULD NOT COMPLETE — EQUIPMENT FAILURE
*** COULD NOT COMPLETE — TRUNK COULD NOT BE ACCESSED
*** COULD NOT COMPLETE — ORDER FILE READ ERROR
*** COULD NOT COMPLETE — ALREADY COMPLETE
*** COULD NOT COMPLETE — ITEM FILE READ ERROR
*** COULD NOT COMPLETE — SOME ITEMS NOT COMPLETE
*** COULD NOT COMPLETE — PCO FILE READ ERROR
*** COULD NOT COMPLETE — CNF FILE DATA BASE ERROR
*** COULD NOT COMPLETE — ACTION DATA DATA BASE ERROR
*** COULD NOT COMPLETE — RESULTS DATA BASE ERROR
*** COULD NOT COMPLETE — COMPLETION FILE ADD ERROR
*** COMPLETED BUT ORDER FILE UPDATE ERROR
*** ORDER COMPLETED
*** COULD NOT COMPLETE — HAS BEEN CANCELED
*** COULD NOT COMPLETE — ITEM FILE UPDATE ERROR
*** COMPLETED NO TESTING INVOLVED — ACTION DATA READ ERROR
*** COMPLETED NO TESTING INVOLVED — TRUNK FILE UPDATE ERROR
*** COMPLETED NO TESTING INVOLED — TRUNK GROUP FILE UPDATE ERROR
*** COMPLETED BY OVERRIDE — ACTION DATA READ ERROR
*** COMPLETED BY OVERRIDE — TRUNK FILE UPDATE ERROR
*** COMPLETED BY OVERRIDE — TRUNK GROUP FILE UPDATE ERROR
*** ITEM COMPLETED — ACTION DATA READ ERROR
*** ITEM COMPLETED — TRUNK FILE UPDATE ERROR
*** ITEM COMPLETED — TRUNK GROUP FILE UPDATE ERROR

```
NPLNOR62647              TUE 06/08/82
  NPLNOR626470

MANAGEMENT SUMMARY ----

                         ROTL CONTROL TRUNK SUMMARY
                         --------------------------
TOTAL    LOSS   CMESS  CNOTCH        GS      BAL     OPER     EOTT
  162     162     162       0         0        0      162        0

TOTAL TRUNKS SCHEDULED (EXCLUDING TDL)
----------------------
   162
             TRANSMISSION TESTING SUMMARY (EXCLUDING TDL)
             ----------------------------

SCHEDULING SUMMARY                                 UNSUCCESS ATTEMPT
-------------------------------------- TRUNKS  -----------------   NOT
TOTAL  LOSS CMESS CNOTCH    GS     BAL  TESTED   BUSY   H&D OTHER  TRIED
  162   162   162      0     0       0     135      3     0     9     15

TESTING SUMMARY
---------------
LOSS                   CMESS                  CNOTCH
--------------------   --------------------   --------------------
TESTS      Q1     Q2   TESTS      Q1     Q2   TESTS      Q1     Q2
  168       5      0     168      12      0       0       0      0

GAIN SLOPE             BALANCE
--------------------   --------------------
TESTS      Q1     Q2   TESTS      Q1     Q2
    0       0      0       0       0      0


             OPERATIONAL TESTING SUMMARY (EXCLUDING TDL)
             ---------------------------
 SCHD  TESTED  FAILED    BUSY     H&D   OTHER  NOT TRIED
  121      95       2       0       0       4     22

                        EOTT (EXCLUDING TDL)
                        ----
 SCHD  TESTED  FAILED
    0       0       0

                       REPEATED TRUNK TROUBLES
                       -----------------------
 TDL                                 FIRST DAY     EXTENDED
TOTAL    NO. ADDED    NO. REMOVED    REPEATERS     REPEATERS
   11          11               0            0             0


 RO   NPLNOR626470      MON 06/07/82    TO   TUE 06/08/82


 RP   TRUNKS EXCEEDING Q2 LIMITS AND STANDARD OPERATIONAL FAILURES


 TG   000450   DF55IE1641111 NPLNOR62647 D- BURLOR62621
 TF        302N2             NPLNOR62    PTLDOR62
 TH   IE 9 0   3.0   1.0 3.7    23 30     0  0
 TP   0.0/0.0  0.0/0.0  0.0/0.0  0.0/0.0      0,0     0,0     0,0     0,0
 TT   008808       3         6
 DA         MON 06/07/82   19:09
      L/N         ANS                          05025503954
       LEVEL-0    -2.6             -2.6
       CMESS      16               -...
      OPRL        ANS                          20025503280
            P               D
 TT   008809       4         8
 DA         MON 06/07/82   19:10
      L/N         ANS                          05006503954
       LEVEL-0    -2.4             -2.2
       CMESS      -...             -...
      OPRL        ANS                          20006503280
            P               D
```

ROTL PRIMING INFORMATION

Fig. 18—Example of Routine Test Results Printout—Location of ROTL Information

TABLE F
ROTL PRIMING FORMATS

PRIMING DIGITS (NOTE 1)	SMALL 5XB ROTL-1	SMALL SXS ROTL-1	SXS ROTL-3 MINI SXS RSX	EXPANDED 5XB ROTL-2 MINI 5XB RSX	EXPANDED 5XB ROTL-2 PBX TRUNKS WITH LLP, TYP=2	EXPANDED SXS ROTL-2	1XB XBT ROTL	4XB OTTS/ROTL	NO. 1 ESS NO. 2 ESS ROTL R1E R2E	NO. 3 ESS ROTL R3E	NO. 5 ESS NO. 4 ESS ROTL R4E R5E	GENERAL PURPOSE ROTL "DIMENSION" PBX
1st	Test type (Notes 2 & 3)	Test type (Note 3)	K (Keypulse)	K (Keypulse)	K (Keypulse)	K (Keypulse)	K (Keypulse)	K (Keypulse)	K (Keypulse)	K (Keypulse)	K (Keypulse)	K (Keypulse)
2nd	Frame unit	Test connector number	Test code (Table H)	Test code (Table H)	Test code (Table H)	Test code (Table H)	Test code (Table H)	Test code (Table H)	Test code (Table H)	Test code (Table H)	Test code (Table H)	Test code (Table H)
3rd	Digit C (Table G)											
4th	Trunk units		Always=0	TYP (Note 4)	TYP (Note 4)	Test connector number	Switch number	Always 8	Local (0) or tandem (1,2) mode or RSS channel (7, 8, or 9)	Trunk state 0 = Local 1 = Bypass	Trunk appearance number	Priming Information
5th	Route translation units	Digit E (Note 5)	Test connector number	TR	TR			Signaling class and modifiers (Note 12)	Trunk network number (Note 14)	Group number		
6th				MG	MG		Select magnet					
7th				CTA	CTA		Hold magnet					
8th			Pulsing	CU	CG	Pulsing		A-pad mark		Member number		
9th			Test line number (Note 6)	CRU	TI	Test line number (Note 6)	Pulsing	Test pad (Note 7)				
10th				CG	TF			Note 8				
11th				TB	TT		Test line number (3 to 7 digits)	End test (Note 9)		Test line number (Note 6)	Test line number (Note 11)	
12th				TI	Test line number (Note 6)			Lockout/ restore (Note 10)				
13th				TF				Test connector number (Note 13)	Test line number (Notes 6 and 14			
14th				TT								
15th				Test line number (10 digits maximum)								Test line number (Note 6)
16th												
17th												
18th							S (Start)	Test line number (Note 11)			S (Start)	
19th			S (Start)			S (Start)						
20th												
21st									S (Start)			
22nd					S (Start)					S (Start)		
23rd												
24th												
25th				S (Start)				S (Start)				
26th												
27th												S (Start)

See notes at end of table.

TABLE F (Contd)
ROTL PRIMING FORMATS

Note 1: Refer to Section 190-103-203 for the meaning and numerical values of the priming digits.

Note 2: For small 5XB ROTLs, this is also digit A (see Table G).
A digit before digit 1 which is equal to 4 means **do not override a maintenance busy.**

Note 3: Test type value for small SXS ROTLs:
1 – Test to transmission test line
2 – Test to operational test line.
A digit before digit 1 which is equal to 4 means **do not override a maintenance busy.**

Note 4: For certain EOTT tests, the five (sometimes modified) APTT digits are inserted between digits 4 and 5.

Note 5: Digit E value for small SXS ROTLs:
1 – MF outpulsing
2 – DP outpulsing.

Note 6: Test line number for expanded and Nos. 1, 2, and 3 ESS ROTLs consists of up to 11 digits followed immediately by S (start digit).

Note 7: Test pad code for OTTS/ROTLs:
0 – A-pad is switched out and OTTS test pad is used.
1 – A-pad is switched in and OTTS test pad is out.

Note 8: The tenth priming digit for OTTS/ROTLs is the code for switch train, test connector, and trunk relay type:

Digit 10 Code	Switch Train	Test Connector	Trunk Relay Type
0	TC	TC	TC
1	TC	TC	IT
2	TC	IT	TC
3	TC	IT	IT
4	IT	TC	TC
5	IT	TC	IT
6	IT	IT	TC
7	IT	IT	IT
8-9	Unassigned	Unassigned	Unassigned

For CCIS trunks set digit 10 code to 0.

Note 9: End test code for OTTS/ROTLs:
0 – None
1 – Incoming release or disconnect timing
2 – Trunk identification
3 – Trunk verification
4-9 – Unassigned.

Note 10: Lockout/restore code for OTTS/ROTLs:
0 – A locked-out trunk is to be automatically restored.
1 – Trunk is to remain in same state after test.

Note 11: Test line number for OTTS/ROTLs and No. 4 ESS ROTLs consists of up to seven digits followed immediately by S (start digit).

Note 12: For CCIS trunks, set fifth digit to 7, six to 0, and seventh to 0.

Note 13: For CCIS trunks, use T-register or TREG number.

Note 14: For RSS channels, use digits 5 through 12 for line equipment numbers. No test line number is assigned with RSS applications.

TABLE G

VALUES OF ROTL DIGITS A AND C (NOTES)

DIGIT A	DIGIT C	ROUTE TRANSLATION TENS	BUSY TEST LEAD TENS	FRAME TENS
1/2	0	0	0	0
1/2	1	0	0	1
1/2	2	0	1	0
1/2	3	0	1	1
1/2	4	1	0	0
1/2	5	1	0	1
1/2	6	1	1	0
1/2	7	1	1	1
6/7	0	0	0	2
6/7	1	2	0	1
6/7	2	0	1	2
6/7	3	2	1	1
6/7	4	1	0	2
6/7	5	2	0	0
6/7	6	1	1	2
6/7	7	2	1	0
6/7	8	2	0	2
6/7	9	2	1	2

Notes:

1. Digit A values 1 and 6 are transmission testing, and values 2 and 7 are for operational testing.
2. Digit A values 1 and 2 are used for trunk link frame locations 00 through 19.
3. Digit A values 6 and 7 are used for trunk link frame locations 20 through 29.
4. For trunk link frames 20 through 29, only transmission and operational tests are possible (ie, terminal balance, trunk make-busy, and status request operations are not possible).

TABLE H

TEST CODE VALUES AND MEANING FOR EXPANDED ROTLS

TEST CODE	MEANING
	Transmission test to:
00	100-type test line
02	102-type test line
05	105-type test line
	Transmission test with maintenance-busy override to:
10	100-type test line
12	102-type test line
15	105-type test line
	Operational test to:
23	103-type test line
21	Synchronous test line
20	Nonsychronous test line
	Operational test with maintenance-busy override to:
33	103-type test line
31	Synchronous test line
30	Nonsychronous test line
	Balance and long-term tests:
40	Unassigned
41	Override made busy
	Make busy and restore:
50	Make trunk remote busy
51	Restore trunk remote busy
	Trunk status request:
52	Individual trunk
53	Trunk group by trunk
54	Trunk group by group (ESS only)
	Call back request:
55	Call back unlock
	Connection appraisal:
60	100-type test line
62	102-type test line
65	105-type test line
8*x*	APTT return test line test with maintenance-busy override (the *x* means the first APTT priming digit should be entered after the 8).
9*x*	APTT return test line test (the *x* means the first APTT priming digit should be entered after the 9).
61	Glare test

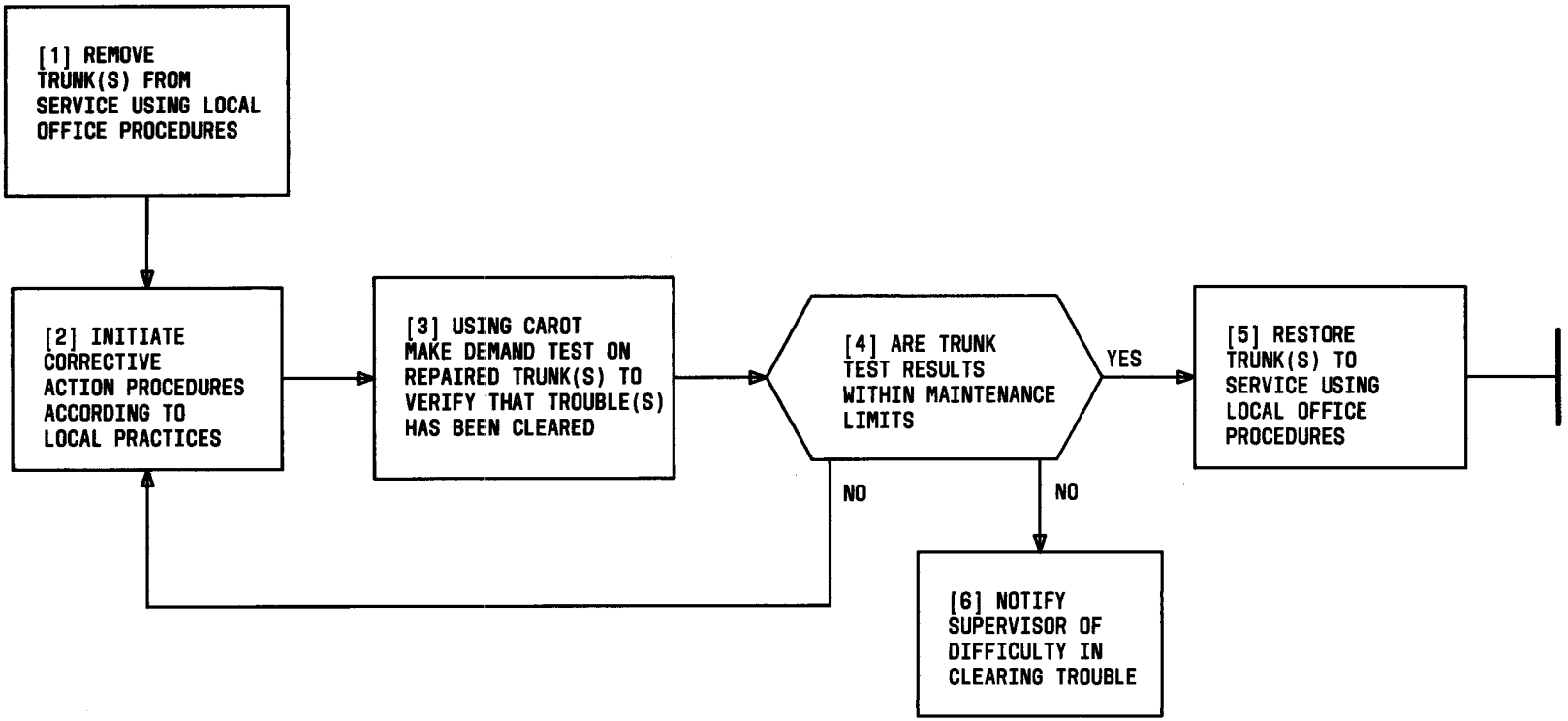


Fig. 19—Clear Trouble on Trunks Executing Q2 Limits

6. REMOTE-USER PROCEDURES

6.01 The following procedures provide instructions for performing the various remote-user tasks as supported by CAROT.

6.02 The procedures are listed in the natural sequence in which they will most likely be used; ie, Log-in, Request Routine Test Results, Trunk Testing, Display Requests, Circuit Order Activities, Transfer Terminal Control, and Logoff.

6.03 Except for the remote terminal, no test apparatus is required to perform the tests in PROCEDURES 1 through 54.

PROCEDURE 1—LOG-IN

STEP	PROCEDURE
1a	If remote terminal is a teletypewriter (TTY), dial CAROT controller telephone number using associated TTY call-control unit.
1b	If remote terminal is an acoustically coupled terminal, dial CAROT controller telephone number using telephone associated with the terminal.
1c	If remote terminal is a DATASPEED 40 terminal set, depress AUTO ANS button on associated data set and dial CAROT controller telephone number. ***Requirement:*** A high-pitched tone is heard on speaker or receiver. (For DATASPEED 40 terminal sets operating at 1200 baud, wait for second tone.)
2a	For TTY, depress K pushbutton on mode switching control panel.
2b	For acoustically coupled terminals, place telephone handset into coupler muffs.
2c	For DATASPEED 40 terminal set, depress DATA pushbutton and replace handset in cradle.
3	For all terminals (except DATASPEED 40 terminal set), type the following: * * * * ***Requirement:*** CAROT will respond with the port number and request the CAROT logon information as follows: **PORT XX** **CAROT LOGON:**
4	Type *user number* followed by **.REMOTE/** and the CAROT password and operate (CR) key. ***Note:*** For DATASPEED 40 terminal set, depress NEWLINE pushbutton before typing logon information. ***Requirement:*** CAROT will respond with either the proper CAROT identification and system logon message, or an invalid notation. If an invalid user number or password is used the CAROT will go off-line and display **UNABLE TO COMPLETE LOGON.** ***Example:*** **CAROT LOGON:ØØ8.REMOTE/RABBIT**
5	Proceed with appropriate remote-user activities as described in PROCEDURES 2 through 54.

PROCEDURE 2—COMMUNICATE WITH CAROT CONTROLLER

STEP	PROCEDURE
1	Initiate OPERATOR mode by typing the following: **OPERATOR:***message* (CR) ***Note 1:*** If message requires more than one line, the last character in that line must be a comma (,). ***Requirement:*** The CAROT controller operator will make one of the following responses: • Comply with message. • Send an acknowledgment by an operator message. • Request a clarification of message. • Ignore message.
2	Send subsequent messages by typing the following message: **OPER:***message* (CR)
3	Resume normal operations when messages are completed.

PROCEDURE 3—GET HELP USING REMOTE-USER COMMANDS

STEP	PROCEDURE
1a	Request a command explanation by typing: **HELP:***ccc* (CR) Where: *ccc* is at least the first three characters of the remote-user command for which an explanation is desired.
1b	A more complete explanation of the **HELP** command itself may be obtained by typing: **HELP:** (CR)
2	CAROT responds by displaying an explanation of the specified command.

PROCEDURE 4—CHANGE USER PASSWORD

STEP	PROCEDURE
1	Type the following message: **PASSWORD:***xxx,yyy* (CR) Where: *xxx* is the old password and *yyy* is the new password.
2	Log off at this time if no other tasks are to be performed by typing: **BYE** (CR)

PROCEDURE 5—REQUEST PAGING OF DISPLAY OUTPUT

STEP	PROCEDURE
1a	Request paging by typing: **PAGE:ONE** (CR) The default page size is 20 lines per page.
1b	Page size may be changed by entering the command in the following manner: **PAGE:ON,SIZE=***nn (CR)* Where: *nn* is the (one or two digits) number of lines per page.
2	Subsequently entered display requests will result in output coming to the user's terminal the specified number of lines at a time. Between each page of output, CAROT will ask the user whether or not more of the display is desired. CAROT prompts the user as follows: **CONTINUE (Y OR N)?** User must respond by typing:**Y** (CR) or **N** (CR) as desired.
3	Turn off the paging feature by typing: **PAGE:OFF** (CR) or, by logging off.

PROCEDURE 6—DEACTIVATE FORMS CONTROLS IN ROUTINE TESTING RESULTS REPORTS

STEP	PROCEDURE
1	Deactivate the forms controls by typing: **FORMS: OFF** (CR)
2	Activate forms controls by typing: **FORMS:ON** (CR) ***Note:*** The **FORM** command default to ON when the user logs in the CAROT. When the **FORM:OFF** command is used, it remains in effect until the **FORM:ON** command is given or the user logs off the CAROT.

PROCEDURE 7—REQUEST ROUTINE TESTS RESULTS

STEP	PROCEDURE
	Note: Example of routine test results is given in Fig. 1.
1a	Request results for your office by typing: **RTRES** (CR)
1b	Request results for another office by typing: **RTRES:COFC=***id* (CR) Where: *id* is the common language circuit identification for the office of interest. An example is as follows: **ATLNGAB012T**
1c	For results other than those received via automatic dispersal for your office, type: **RTRES:TRBL=***xx* (CR) Where: *xx* represents the selected parameter that indicates the point at which the requested test results printout will begin. See the following example for a sequential listing of trouble categories as printed out by CAROT. The requested test results printout will contain all test parameters appearing between and including the specified test parameter and the last test parameter listed in the parameter column in the list below.

STEP	PROCEDURE

Example: **RTRES:TRBL=Q1** (sends test results beginning at and including Q1, RT, CH, and EQ).

PARAMETER	TROUBLE CATEGORY
Q2	Q2 reports and operational test failures
TF	Transmission test call setup failures
OF	Operational test call setup failures
DT	Repeated trouble report
Q1	Trunks exceeding maintenance limits
RT	EOTT test failures
CH	Trunks experiencing chronic problems
EQ	Equipment failure report.

Requirement: Test results are received, followed by the prompter **?**.

1d For results other than those received via automatic dispersal for another office, type:

RTRES:COFC=*id*, **TRBL** =*xx* (CR)

Where: *id* is the common language circuit identification for the office of interest and *xx* represents the selected parameter that indicates the point at which the requested test results printout will begin (see Step 1c).

2 Log off at this time if no other tasks are to be performed by typing:

BYE (CR)

PROCEDURE 8—LEVEL AND NOISE TESTS OF TRUNKS IDENTIFIED BY CAROT TRUNK NUMBER

STEP	PROCEDURE

Note: Command formats and example are shown in Fig. 20.

A. Single Trunk

1 Perform level and noise tests on a specified trunk, by typing the following:

TEST:TRK#=xxxxxx* (CR)

Where: *xxxxxx* is the CAROT trunk number.

B. Multiple Trunks

2 Perform level and noise tests on more than one specified trunk by typing the following:

TEST:TRK#=(xxxxxx,...,xxxxxx***)** (CR)

Note: Parentheses enclose multiple trunk entries. If entries extend to two lines, the first line is ended by a comma and a carriage return. The CAROT will respond with **CONT?** to indicate a continuation of the previous line.

The last line is ended by closed parentheses and a carriage return.

...,*xxxxxx*) (CR)

Example:

***TEST:TRK#=(125,346124,** (CR)

CONT?41563,8762,91138) (CR)

C. All Trunks

3 CAROT responds with:

EST. COMPLETION: *time*

4 Wait for the following testing completion message:

*****RESULTS ARE READY*****

5 Obtain test results by typing the following:

BATRS:ALL (CR)

Requirement: Test results are received, concluded by *****END RESULTS*****

STEP	PROCEDURE
6	Delete test entries by typing the following: **DELETE:ALL** (CR)
7	Log off at this time if no further testing is to be performed by typing: **BYE** (CR)

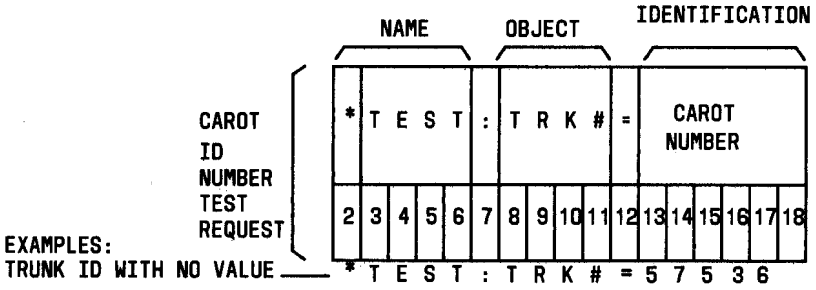


Fig. 20—Trunk Level and Noise Test Command Format With Examples—Trunk Identified by CAROT Trunk Number

PROCEDURE 9—USER SPECIFIED TESTS OF TRUNKS IDENTIFIED BY CAROT TRUNK NUMBER

STEP	PROCEDURE
	Note: Command formats and examples are shown in Fig. 21 at the end of this procedure. Tables I, J, and K also located at the end of this procedure contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests. **A. Fixed Fields**
1	Perform tests on trunks with fixed fields specified by typing the following: ***TEST:TRK#=***xxxxxx,*field* (CR) Where: *xxxxxx* is the CAROT trunk number.

STEP	PROCEDURE
	B. Variable Fields
2	Perform tests with variable fields specified by typing the following: ***TEST:TRK#=***xxxxxx,field=value* (CR)
	C. Fixed and Variable Fields
3	Perform tests with fixed and variable fields specified by typing the following: ***TEST:TRK#=***xxxxxx,field,field=value* (CR)
	D. For All Tests
4	CAROT responds with: **EST. COMPLETION:** *time*
5	Wait for the following completion message: *****RESULTS ARE READY*****
6	Obtain test results printout by typing the following: **BATRS:ALL** (CR) ***Requirement:*** Test results are received, concluded by *****END RESULTS*****.
7	Delete test entries by typing the following: **DELETE:ALL** (CR)
8	Log off at this time if no further testing is to be performed by typing: **BYE** (CR)

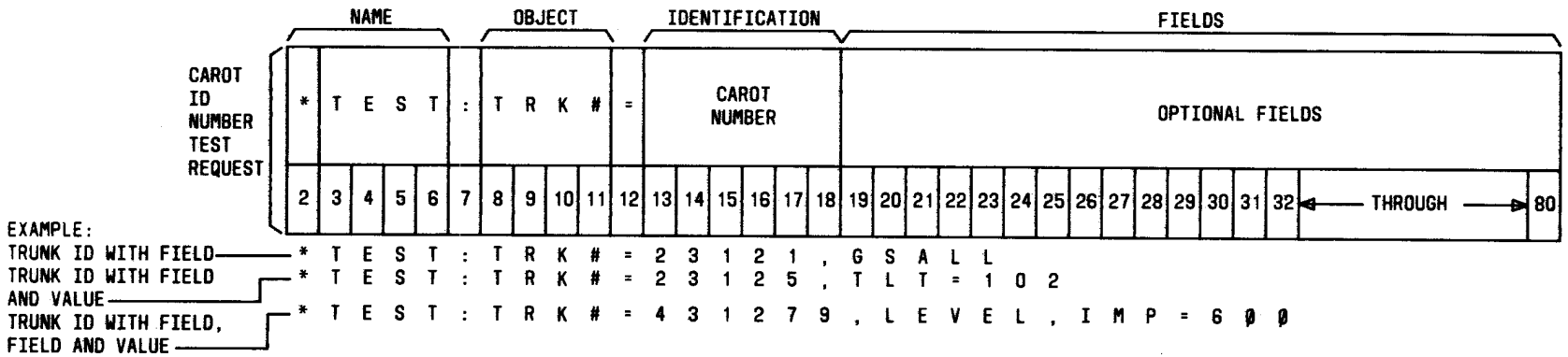


Fig. 21—Trunk Test Command Format—User Specified Tests With Examples—Trunk Identified by CAROT Trunk Numbers

TABLE I

FIELD NAMES OF TESTS WITHOUT VALUES

NAME	EXPLANATION	NAME	EXPLANATION
BAL	All balance tests (ERL, SRL, SRLH)	L2800	2804-Hz, –16 dBm loss
BUSY	Busy line test*	L400	404-Hz, –16 dBm loss
CDE	Cancel diconnect entry*	LEVEL	1004-Hz, 0 dBm loss
CMESS	C-Message noise	NCHG	No charge*
CNOTCH	C-notch noise	OP/CH	Operation or charge*
CP	Continuity and polarity*	OPRL	Standard operational
CXNA	Centrex do not answer transfer*	OTC	Overtime*
CXR	Centrex transfer*	RTALL	All applicable EOTT except OTC (GLA, FL, OP/CH, NCHG, TRO, TRT, CP, TIC, CDE, CXR, CXNA)*
ERL	Echo return loss	SRL	Singing return loss
FL	Free line*	SRLH	Singing return loss high
GSALL	All applicable gainslope (L400, L1000, L2800)	TIC	Trunk identify check*
GLA	Glare*	TRO	Timed release original end hold*
L1000	1004-Hz, –16 dBm loss	TRT	Timed release terminal end hold*
		TSALL	All applicable transmission (ERL, SRL, SRLH, CMESS, CNOTCH, L400, L1000, L2800, LEVEL, BUSY)

*EOTT tests

TABLE J

TEST PARAMETER FIELD NAMES AND VALUES

NAME	VALUE	EXPLANATION
IMP	600 900	Impedance (ohms)
TPL	0 2 3	TEST PAD loss (dB)
TLT	100 102 103 105 NON SYN	Test line type is 100 Test line type is 102 Test line type is 103 Test line type is 105 Nonsynchronous Synchronous

TABLE K

SYMBOLS

SYMBOL	MEANING
xxxxxx	CAROT trunk number
id	Common language circuit identification (CLCI)
field	Program name of specified test
field = value	Program name and associated value

PROCEDURE 10—LEVEL AND NOISE TESTS OF TRUNK GROUPS IDENTIFIED BY CAROT TRUNK GROUP NUMBER

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 22. Tables I, J, and K (located at the end of PROCEDURE 9) contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

1 Perform level and noise tests on specified trunk group by typing the following:

TEST:TG#=xxxxxx* (CR)

Where: *xxxxxx* = CAROT trunk group number.

Note: Multiple numbers may be entered if they are enclosed by parenthesis and separated by commas. For example: ***TEST:TG#=(***xxxxxx,xxxxxx***)**.

2 CAROT responds with:

EST. COMPLETION: *time*

3 Wait for the following testing message:

*****RESULTS ARE READY*****

4 Obtain test results printout by typing the following:

BATRS:ALL (CR)

Requirement: Test results are received, concluded by *****END RESULTS*****

5 Delete test entries by typing the following:

DELETE:ALL (CR)

6 Log off at this time if no further testing is to be performed by typing:

BYE (CR)

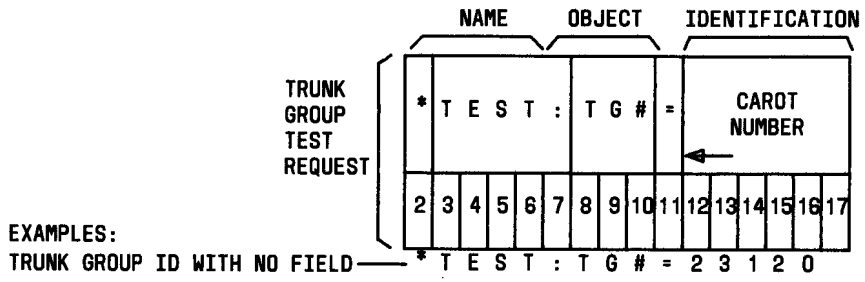


Fig. 22—Trunk Group Test Command Format—Level and Noise With Examples—Trunk Identified by CAROT Number

PROCEDURE 11—USER SPECIFIED TESTS OF TRUNK GROUPS IDENTIFIED BY CAROT TRUNK GROUP NUMBER

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 23. Tables I, J, and K are located at the end of PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

A. Fixed Fields

1 Perform tests with fixed fields specified by typing the following:

TEST:TG#=xxxxxx,field* (CR)

Where: *xxxxxx* is the CAROT trunk group number. Multiple numbers may be entered if they are enclosed by parentheses; eg, (*xxxxxx,xxxxxx,xxxxxx*).

field = field name, see Table I, PROCEDURE 9.

B. Variable Fields

2 Perform tests with variable fields specified by typing the following:

TEST:TG#=xxxxxx,field=value* (CR)

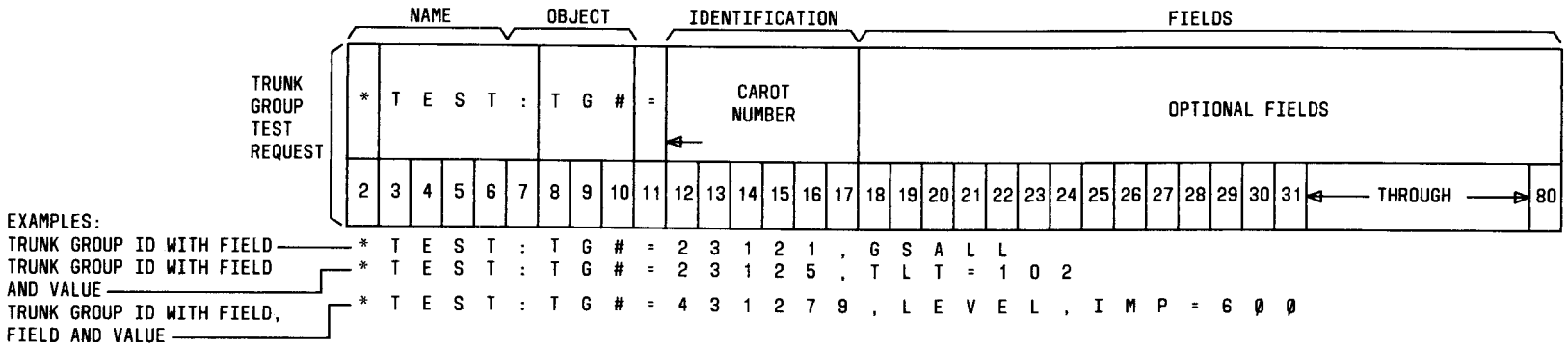
Where: =*field=value* is the field name with a variable value; see PROCEDURE 9, Table J.

C. Fixed and Variable Fields

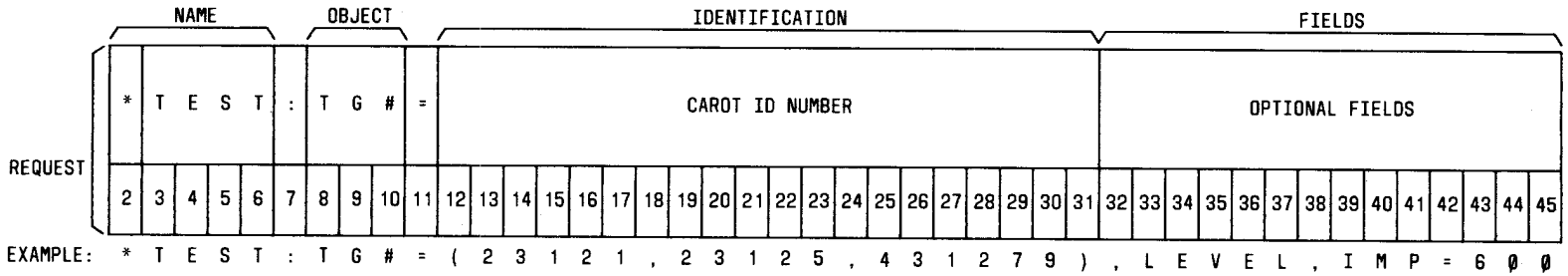
3 Perform tests with variable fields specified by typing the following:

TEST:TG#=xxxxxx,field,field=value* (CR)

STEP	PROCEDURE
	D. For All Tests
4	CAROT responds with: **EST. COMPLETION:** *time*
5	Wait for the following testing completion message: *****RESULTS ARE READY*****
6	Obtain test results by typing the following: **BATRS:ALL** (CR) ***Requirement:*** Test results are received, concluded by *****END RESULTS*****.
7	Delete test entries by typing the following: **DELETE:ALL** (CR)
8	Log off at this line if no further testing is to be performed by typing: **BYE** (CR)



(a) Single CAROT Number



(b) Multiple CAROT Numbers

Fig. 23—Trunk Group Test Command Format—User Specified Tests With Examples—Trunk Group Identified by CAROT Trunk Group Number

PROCEDURE 12—LEVEL AND NOISE TESTS OF FACILITY IDENTIFIED BY CAROT FACILITY NUMBER

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 24. Tables I, J, and K are located at the end of PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

1 Perform level and noise tests as specified by typing the following:

***TEST:FAC#**=xxxxxx (CR)

Where: *xxxxxx* = CAROT facility number. Multiple numbers may be entered if they are enclosed by parentheses; eg, (*xxxxxx, xxxxxx*).

2 CAROT responds with:

EST. COMPLETION: *time*

3 Wait for the following testing message:

*****RESULTS ARE READY*****

4 Obtain tests results printout by typing the following:

BATRS:ALL (CR)

Requirement: Test results are received, concluded by *****END RESULTS*****.

5 Delete test entries by typing the following:

DELETE:ALL (CR)

6 Log off at this time if no further testing is to be performed by typing:

BYE (CR)

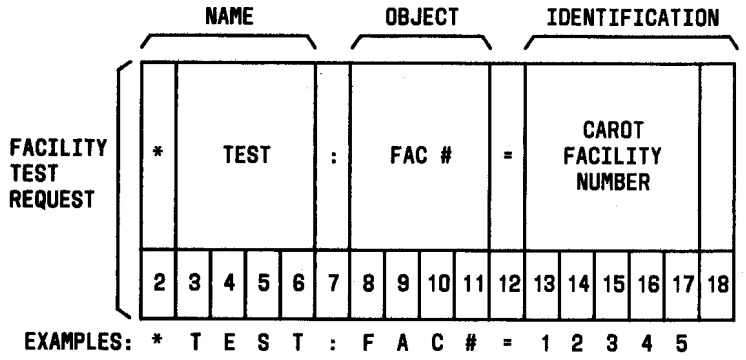


Fig. 24—Facility Test Command Format—Level and Noise With Examples—Facility Identified by CAROT Number

PROCEDURE 13—USER SPECIFIED TESTS OF FACILITY IDENTIFIED BY CAROT FACILITY NUMBER

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 25. Tables I, J, and K are located at the end of PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

A. Fixed Fields

1 Perform tests with fixed fields specified by typing the following:

TEST:FAC#=xxxxxx,field* (CR)

Where: *xxxxxx* = CAROT facility number. Multiple numbers may be entered if they are enclosed by parentheses; eg, (*xxxxxx,xxxxxx,xxxxxx*).

field is the field name, see PROCEDURE 9, Table I.

B. Variable Fields

2 Perform tests with variable fields specified by typing the following:

TEST:FAC#=xxxxxx,field=value* (CR)

Where: *field=value* is the field name with a variable value; see PROCEDURE 9, Table J.

STEP	PROCEDURE
	C. Fixed and Variable Fields
3	Perform tests with variable fields specified by typing the following: ***TEST:FAC#=***xxxxxx,field,field=value* (CR)
	D. For All Tests
4	CAROT responds with: **EST. COMPLETION:** *time*
5	Wait for the following testing completion message: *****RESULTS ARE READY*****
6	Obtain test results by typing the following: **BATRS:ALL** (CR) ***Requirement:*** Test results are received, concluded by *****END RESULTS*****
7	Delete test entries by typing the following: **DELETE:ALL** (CR)
8	Log off at this line if no further testing is to be performed by typing: **BYE** (CR)

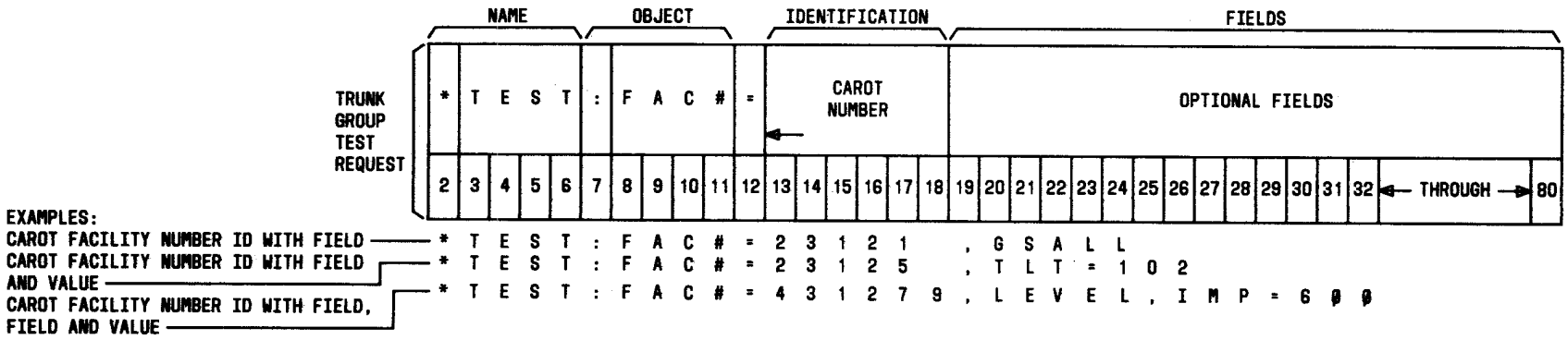


Fig. 25—Facility Test Command Format—User Specified Tests With Examples—Facility Identified by CAROT Facility Number

PROCEDURE 14—LEVEL AND NOISE TESTS OF TRUNKS IDENTIFIED BY THE CLCI

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 26. Tables I, J, and K are located at the end of PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

1 Perform level and noise tests on a specified trunk by typing the following:

***TEST:TRK**=*id* (CR)

Where: *id* is the CLCI for the trunk.

2 CAROT responds with:

EST. COMPLETION: *time*

3 Wait for the following testing completion message:

*****RESULTS ARE READY*****

4 Obtain test results printout by typing the following:

BATRS:ALL CR

Requirement: Test results are received, concluded by *****END RESULTS*****.

5 Delete test entries by typing the following:

DELETE:ALL (CR)

6 Log off at this time if no further testing is to be performed by typing:

BYE (CR)

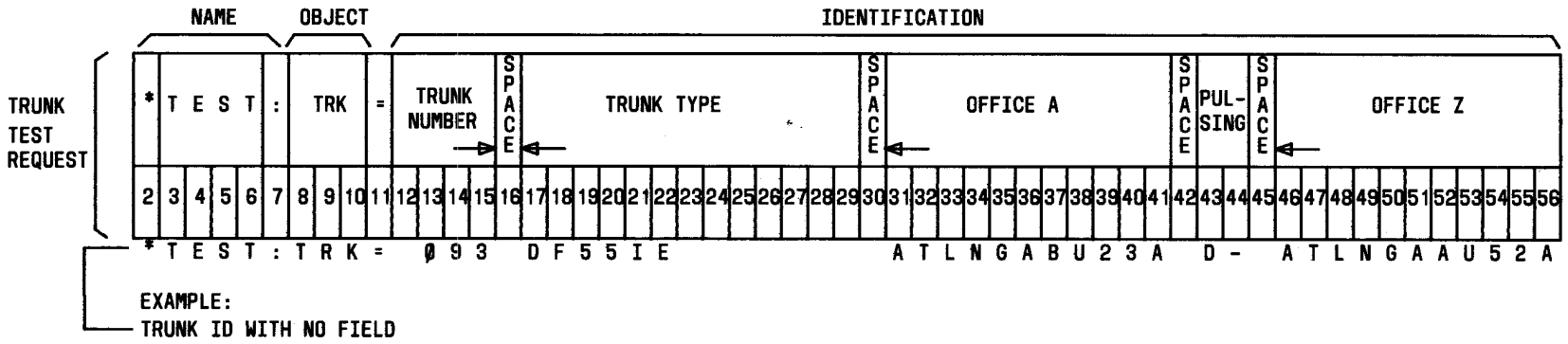


Fig. 26—Trunk Test Command Format—Level and Noise With Example—Trunk Identified by CLCI

PROCEDURE 15—USER SPECIFIED TESTS OF TRUNKS IDENTIFIED BY THE CLCI

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 27. Tables I, J, and K are located at the end of PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

1 Perform tests on trunks with fixed fields specified by typing the following:

TEST:TRK=id,field* (CR)

Where: *id* is the CLCI for trunk.

field is the field name; see PROCEDURE 9, Table I.

A. Variable Fields

2 Perform tests on trunks with variable fields specified by typing the following:

TEST:TRK=id,field=value* (CR)

Where: *field = value* is a field name with a variable value; see PROCEDURE 9, Table L.

B. Fixed and Variable Fields

3 Perform tests on trunks with fixed and variable fields specified by typing the following:

***TE**

ST:TRK=*id,field,field=value* (CR)

C. For All Tests

4 CAROT responds with:

EST. COMPLETION: *time*

5 Wait for the following testing completion message:

*****RESULTS ARE READY*****

STEP	PROCEDURE
6	Obtain test results printout by typing the following: **BATRS:ALL** (CR) ***Requirement:*** Test results are received, concluded by ***END RESULTS***.
7	Delete test entries by typing the following: **DELETE:ALL** (CR)
8	Log off at this time if no further testing is to be performed by typing: **BYE** (CR)

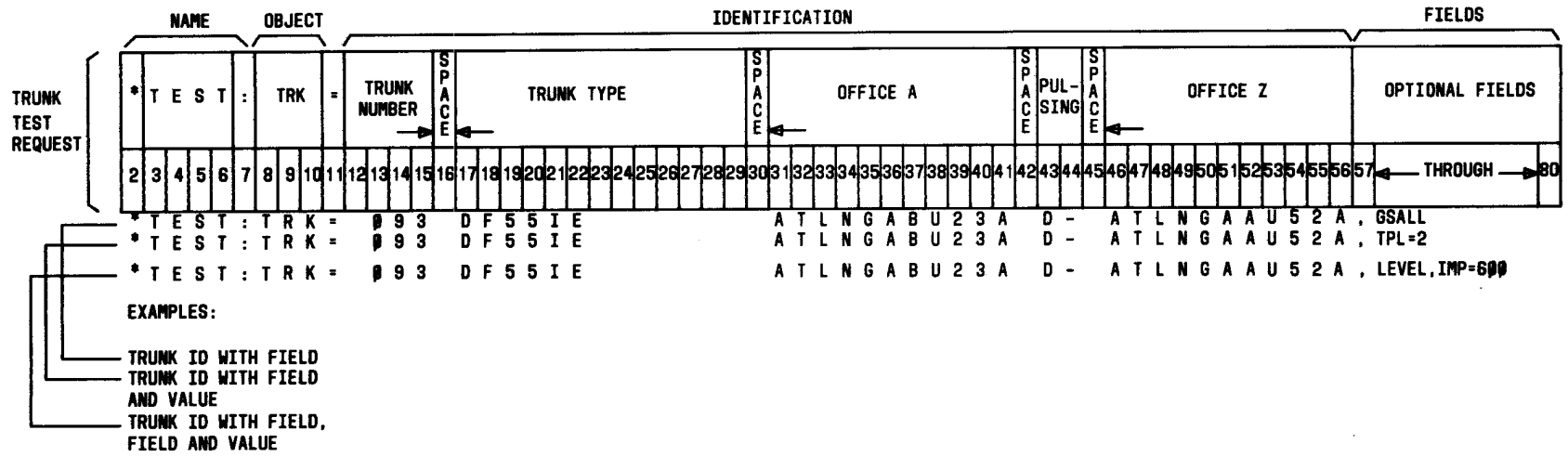


Fig. 27—Trunk Test Command Format—User Specified Tests With Examples—Trunk Identified by CLCI

PROCEDURE 16—LEVEL AND NOISE TESTS OF TRUNK GROUPS IDENTIFIED BY THE CLCI

STEP	PROCEDURE
	Note: Command formats and examples are shown in Fig. 28. Tables I, J, and K are located at the end of PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.
1	Perform level and noise C-message tests on a specified trunk group by typing: ***TEST:TG=***id* (CR) Where: *id* is the CLCI for the trunk group.
2	CAROT responds with: **EST. COMPLETION:** *time*
3	Wait for the following testing completion message: *****RESULTS ARE READY*****
4	Obtain test results printout by typing: **BATRS:ALL** (CR) ***Requirement:*** Test results are received, concluded by *****END RESULTS*****.
5	Delete test entries by typing: **DELETE:ALL** (CR)
6	Log off at this time if no further testing is to be performed by typing: **BYE** (CR)

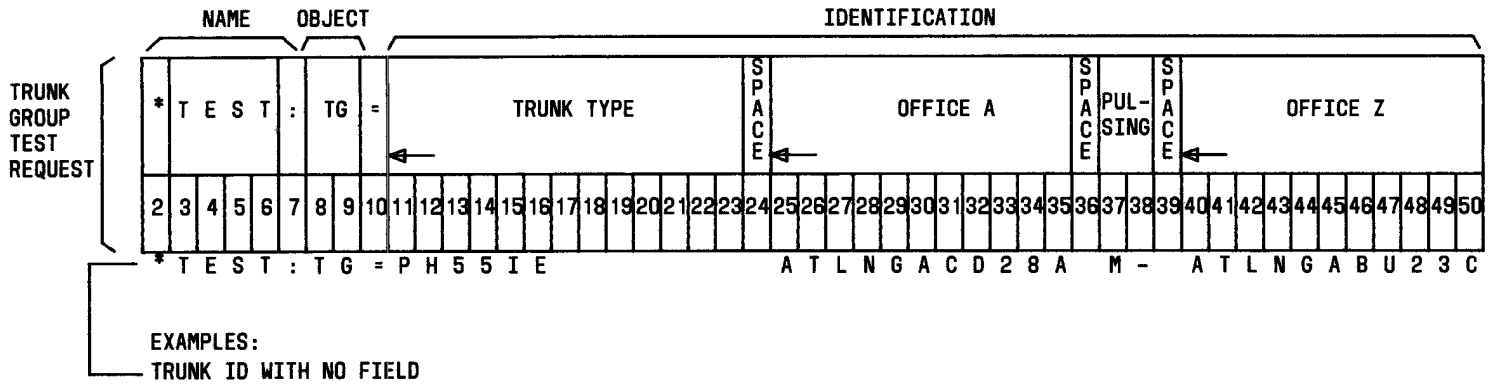


Fig. 28—Trunk Group Level and Noise Test Command Format With Example—Trunk Group Identified by CLCI

PROCEDURE 17—USER SPECIFIED TESTS OF TRUNK GROUPS IDENTIFIED BY THE CLCI

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 29. Tables I, J, and K are located at the end of the PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

A. Fixed Fields

1a Perform tests on trunk groups with fixed fields specified by typing the following:

TEST:TG=id,field*

Where: *id* is the CLCI for the trunk group.

field is a field name; see PROCEDURE 9, Table I.

B. Variable Fields

1b Perform tests on trunk groups with variable fields specified by typing the following:

TEST:TG=*id,field=value* (CR)

Where: *field=value* is a field name with a variable value; see PROCEDURE 9, Table J.

C. Fixed and Variable Fields

1c Perform tests on trunk groups with fixed and variable fields specified by typing the following:

TEST:TG=id,field,field=value* (CR)

D. For All Tests

2 CAROT responds with:

EST. COMPLETION: *time*

3 Wait for the following testing completion message:

*****RESULTS ARE READY*****

STEP	PROCEDURE
4	Obtain test results printout by typing the following: **BATRS:ALL** (CR) ***Requirement:*** Test results are received, concluded by ***END RESULTS***
5	Delete test entries by typing the following: **DELETE:ALL** (CR)
6	Log off at this time if no further testing is to be performed by typing: **BYE** (CR)

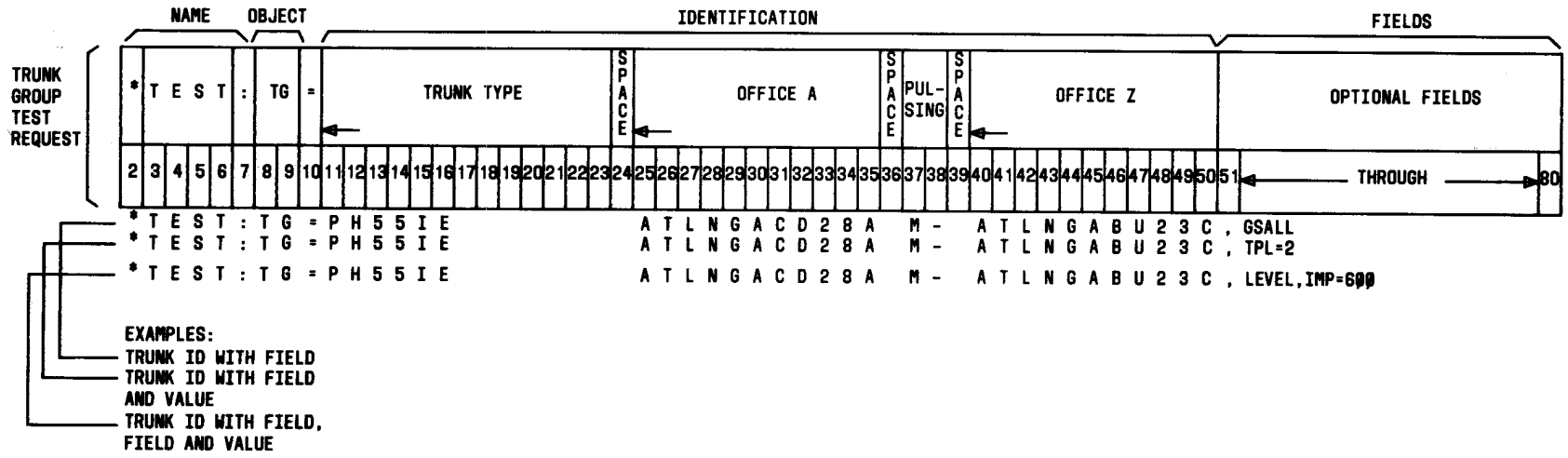


Fig. 29—Trunk Group User Specified Test Command Format With Examples—Trunk Group Identified by CLCI

PROCEDURE 18—LEVEL AND C-MESSAGE NOISE TESTS OF FACILITY IDENTIFIED BY THE CLCI

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 30. Tables I, J, and K are located at the end of PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

1 Perform level and C-message noise tests on a specified facility by typing:

TEST:FAC=id* (CR)

Where: *id* is the CLCI for the facility.

2 CAROT responds with:

EST. COMPLETION: *time*

3 Wait for the following testing completion message:

*****RESULTS ARE READY*****

4 Obtain test results printout by typing:

BATRS:ALL (CR)

Requirement: Test results are received, concluded by *****END RESULTS*****.

5 Delete test entries by typing:

DELETE:ALL (CR)

6 Log off at this time if no further testing is to be performed by typing:

BYE (CR)

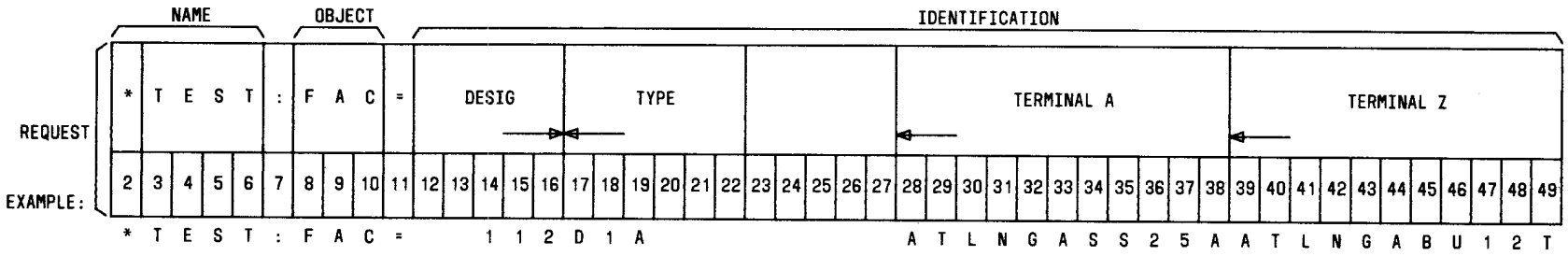


Fig. 30—Facility Level and Noise With Examples—Facility Identified by CLCI

PROCEDURE 19—USER SPECIFIED TESTS OF FACILITY IDENTIFIED BY THE CLCI

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 31. Tables I, J, and K are located at the end of the PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

A. Fixed Fields

1a Perform tests on trunk groups with fixed fields specified by typing the following:

TEST:FAC=id,field*

Where: *id* is the CLCI for the trunk group.

field is the field name; see PROCEDURE 9. Table I.

B. Variable Fields

1b Perform tests on trunk groups with variable fields specified by typing the following:

TEST:FAC=id,field***=value (CR)**

Where: *field=value* is a field name with a variable value; see PROCEDURE 9, Table J.

C. Fixed and Variable Fields

1c Perform tests on trunk groups with fixed and variable fields specified by typing the following:

TEST:FAC=id,field,field***=value (CR)**

D. For All Tests

2 CAROT responds with:

EST. COMPLETION: *time*

3 Wait for the following testing completion message:

*****RESULTS ARE READY*****

STEP	PROCEDURE
4	Obtain test results printout by typing the following: **BATRS:ALL** (CR) ***Requirement:*** Test results are received, concluded by ***END RESULTS***.
5	Delete test entries by typing the following: **DELETE:ALL** (CR)
6	Log off at this time if no further testing is to be performed by typing: **BYE** (CR)

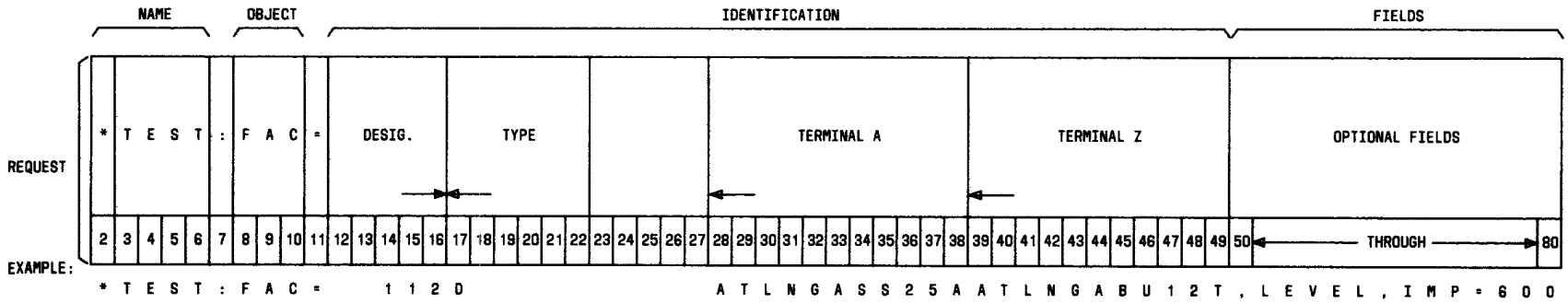


Fig. 31—Facility User Specified Test Command Format With Example—Facility Identified by CLCI

PROCEDURE 20—BATCH DEMAND TESTS

STEP	PROCEDURE

Note 1: Command formats and examples for batch demand tests are shown in Fig. 32 through 37. Tables I, J, and K are located at the end of PROCEDURE 9, and contain information concerning field names of tests, field names and values of tests, and trunk/trunk group identification which may be helpful when performing demand tests.

Note 2: The batch demand tests may be composed from the following types. In each case where a CAROT number is called for, multiple numbers may be used if they are enclosed in parentheses; eg, (*xxxxxx,xxxxxx,xxxxxx*).

1a Request level and C-message noise tests of trunks identified by CAROT trunk numbers by typing the following:

TEST:TRK#=*xxxxxx* (CR)

Where: *xxxxxx* is the CAROT trunk number (Fig. 32).

1b Request level and C-message noise tests of trunks identified by the CLCI by typing the following:

TEST:TRK=*id* (CR)

Where: *id* is the CLCI (Fig. 33).

1c Request level and C-message noise tests of trunk groups identified by CAROT trunk group numbers by typing the following:

TEST:TG#=*xxxxxx* (CR)

Where: *xxxxxx* is the CAROT trunk group number (Fig. 34).

1d Request level and C-message noise tests of trunk groups identified by the CLCI by typing the following:

TEST:TG=*id* (CR)

Where: *id* is the CLCI (Fig. 35).

1e Request level and C-message noise tests of trunks identified by CAROT facility numbers by typing the following:

TEST:FAC#=*xxxxxx* (CR)

Where: *xxxxxx* is the CAROT facility number (Fig. 36).

STEP	PROCEDURE
1f	Request level and noise tests of facility identified by the CLCI by typing the following: **TEST:FAC**=*id* (CR) Where: *id* is the CLCI (Fig. 37).
	A. User Specified Test Parameters—Fixed Fields Specified
2a	Request tests with fixed fields specified of trunks identified by the CAROT trunk numbers by typing the following: **TEST:TRK#**=*xxxxxx,field* (CR) (Fig. 32) Where: *field* is the field name; see Table I, PROCEDURE 9.
2b	Request tests with fixed fields specified of trunks identified by the CLCI by typing the following: **TEST:TRK**=*id,field* (CR) (Fig. 33)
2c	Request tests with fixed fields specified of trunk groups identified by the CAROT trunk group numbers by typing the following: **TEST:TG#**=*xxxxxx,field* (CR) (Fig. 34)
2d	Request tests with fixed fields specified of trunk groups identified by the CLCI by typing the following: **TEST:TG**=*id,field* (CR) (Fig. 35)
2e	Request tests with variable fields specified of trunks identified by the CAROT facility numbers by typing the following: **TEST:FAC#**=*xxxxxx,field* (CR) (Fig. 37) Where: *field* is the field name; see PROCEDURE 9, Table I.
2f	Request tests with fixed fields specified of facility identified by the CLCI by typing the following: **TEST:FAC**=*id,field* (CR) (Fig. 37)
	B. User Specified Test Parameters—Variable Fields Specified
3a	Request tests with variable fields specified of trunks identified by the CAROT trunk numbers by typing the following: **TEST:TRK#**=*xxxxxx,field*=**value** (CR) (Fig. 32) Where: *field*=*value* is the field name with variable value; see PROCEDURE 9, Table J.

STEP	PROCEDURE

3b Request tests with variable fields specified of trunks identified by the CLCI by typing the following:

TEST:TRK=*id,field=value* (CR) (Fig. 33)

3c Request tests with variable fields specified of trunk groups identified by the CAROT trunk group numbers by typing the following:

TEST:TG#=*xxxxxx,field=value* (CR) (Fig. 34)

3d Request tests with variable fields specified of trunk groups identified by the CLCI by typing the following:

TEST:TG=*id,field=value* (CR) (Fig. 35)

3e Request tests with variable fields specified of trunks identified by the CAROT facility number by typing the following:

TEST:FAC#=*xxxxxx,field=value* (CR) (Fig. 36)

Where: *field=value* is the field name with variable value; see PROCEDURE 9, Table J.

3f Request tests with variable fields specified of facility identified by the CLCI by typing the following:

TEST:FAC#=*id,field=value* (CR) (Fig. 37)

C. User Specified Test Parameters—Fixed and Variable Fields Specified

4a Request tests with fixed and varible fields specified of trunks identified by the CAROT trunk numbers by typing the following:

TEST:TRK#=*xxxxxx,field,field=value* (CR) (Fig. 32)

4b Request tests with fixed and variable fields specified of trunks identified by the CLCI by typing the following:

TEST:TRK=*id,field,field=value* (CR) (Fig. 33)

4c Request tests with fixed and variable fields specified of trunk groups identified by the CAROT trunk group numbers by typing the following:

TEST:TG#=*xxxxxx,field,field=value* (CR) (Fig. 34)

4d Request tests with fixed and variable fields specified of trunk groups identified by the CLCI by typing the following:

TEST:TG=*id,field,field=value* (CR) (Fig. 35)

STEP	PROCEDURE

4e Request tests with fixed and variable fields specified of trunks identified by the CAROT facility numbers by typing the following:

TEST:FAC#=*xxxxxx,field,field=value* (CR) (Fig. 36)

4f Request tests with fixed and variable fields specified of facility identified by the CLCI by typing the following:

TEST:FAC=*id,field,field=value* (CR) (Fig. 37)

D. All Batch Test Requests

5 Repeat Steps 1 through 4 until all entries have been made.

6 Obtain a listing of all test entries by typing the following:

LIST (CR)

7a If the listing shows incorrect entries, delete the incorrect entries by typing the following:

DELETE:ALL (CR)

or

DELETE: Batch item number of incorrect entry (CR).

7b Reenter correct batch item(s) as required.

8a To receive batch test results via the callback method, enter the following command:

SEND:PHONE=*aaa*,**BAUD**=*xxx*,**PARITY**=*yyy***PLEX**=*zzz*

Where: *aaa* is the full phone number (from the CAROT point of view) to reach the user terminal. If required it must include the area code toll access digit and PBX digit.

xxx is the baud rate of user terminal (110, 300, or 1200).

yyy is the parity of user terminal (EVEN, ODD, or NONE)

zzz is the duplex of user terminal (FULL or HALF).

Note 1: The user terminal must be set up for automatic answer after log off.

Note 2: If *xxx,yyy* and *zzz* are omitted, they will default to 110, EVEN, and FULL, respectively.

STEP	PROCEDURE
8b	Release batch request for processing by CAROT by typing: **SUBMIT** (CR) ***Requirement:*** CAROT responds with: **EST. COMPLETION:** *time*
8c	Log off remote-user terminal by typing: **BYE** (CR)
8d	Hang up terminal by picking up and replacing DATAPHONE* data communications terminal handset in cradle.
8e	Upon completion of testing, CAROT calls remote terminal and sends test results.
9	If the listing shows correct entries and it is preferred to remain on-line and wait for the batch results, release the batch for processing by CAROT by typing: **SUBMIT** (CR) ***Requirement:*** CAROT will respond with one of the following completion messages: **EST. COMPLETION:** *time*
10	Obtain a printout of test results by typing the following: **BATRS:ALL** (CR) or **BATRS:** Batch item number (CR) ***Requirement:*** Test results are sent, concluded by ******END RESULTS******.
11	Delete data to allow future entries by typing the following: **DELETE:ALL** (CR) or to add new entries to the batch, type the following and return to Step 5: **ADD** (CR)
12	Log off at this time if no further testing is required by typing: **BYE** (CR)

*Unregistered trademark of AT&T

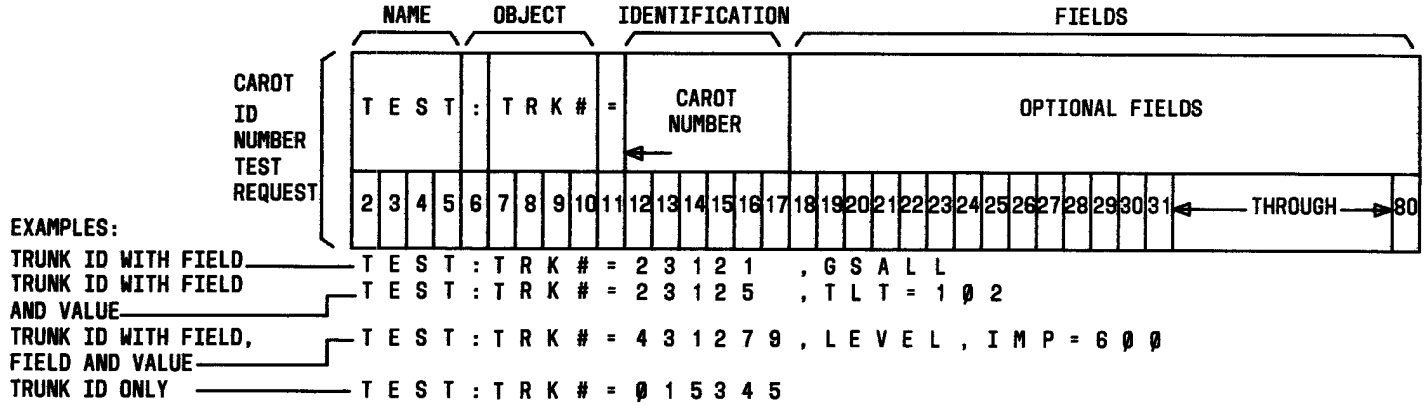


Fig. 32—Trunk Test Command Format With Examples —Trunks Identified by CAROT Numbers

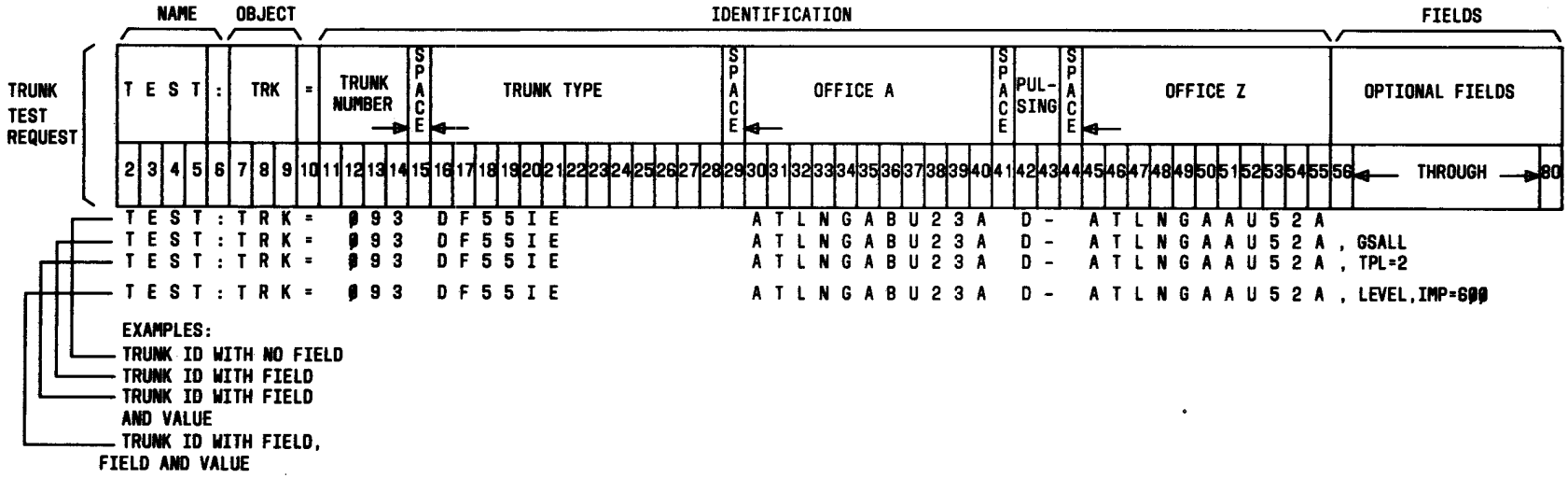


Fig. 33—Trunk Test Command Format With Examples—Trunk Identified by CLCI

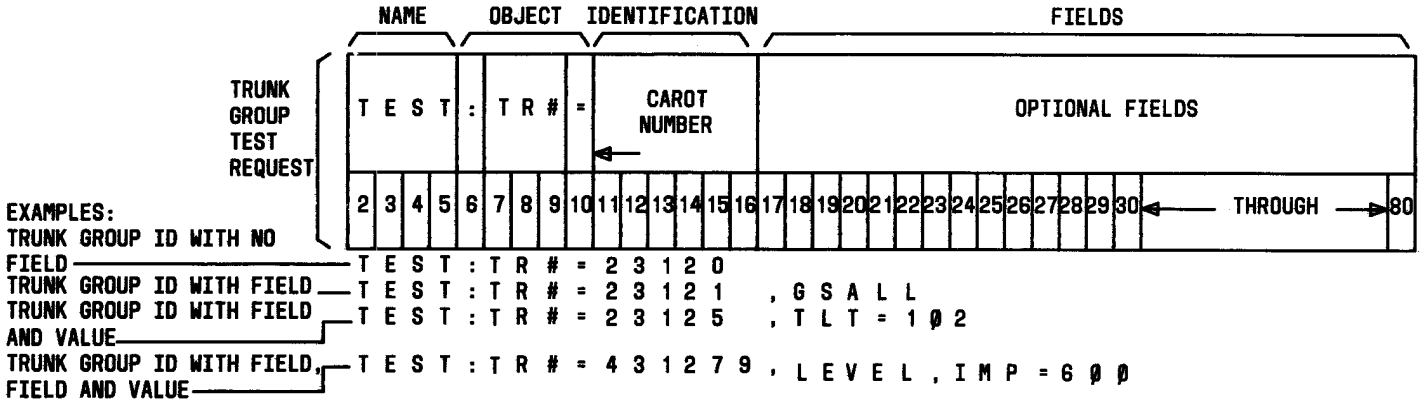


Fig. 34—Trunk Group Test Command Format With Examples—Trunk Groups Identified by CAROT Numbers

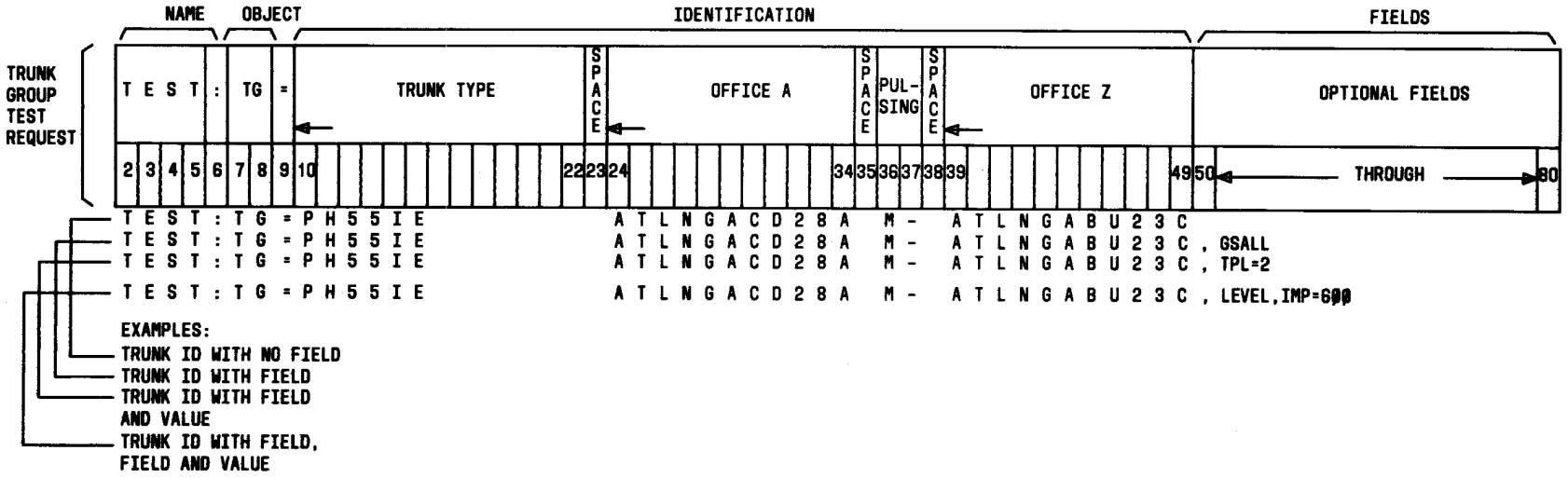


Fig. 35—Trunk Test Command Format With Examples—Trunk Identified by CLCI

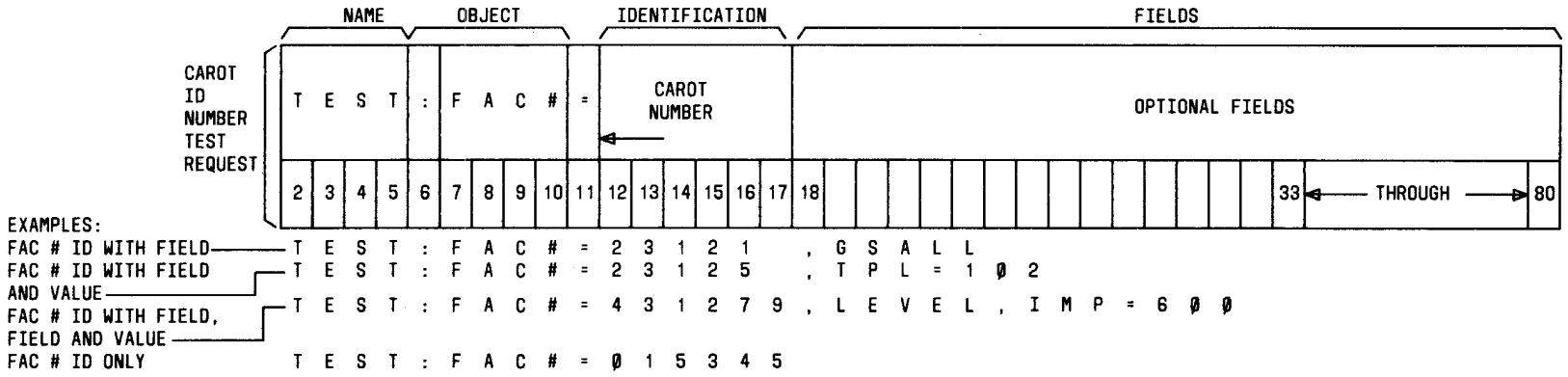


Fig. 36—Trunk Group Test Command Format With Examples—Trunk Group Identified by CAROT Numbers

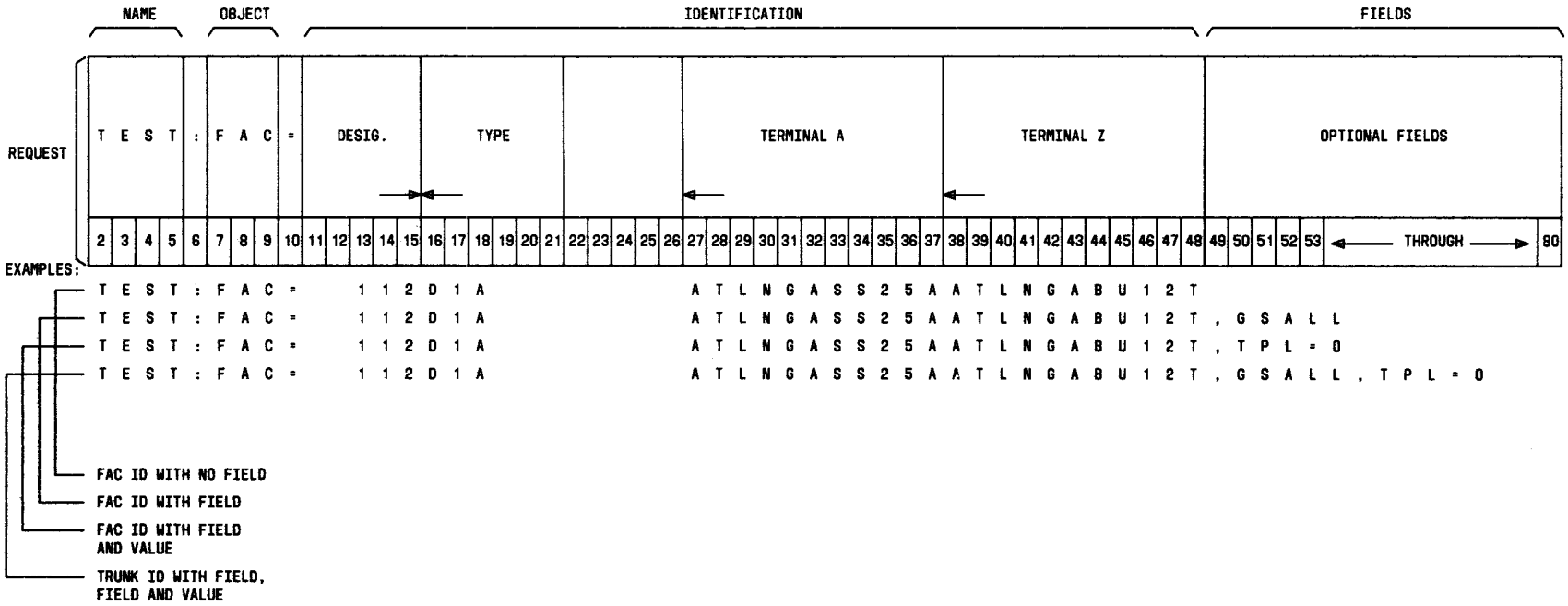


Fig. 37—Facility Group Test Command Format With Examples—Facility Identified by CLCI

PROCEDURE 21—SINGLE ITEM TRUNK DISPLAY REQUEST OF TRUNKS IDENTIFIED BY CAROT TRUNK NUMBER

STEP	PROCEDURE

Note: Command formats and examples are shown in Fig. 38.

1 Request display of trunk data by typing the following:

DISPLAY:TRK#=xxxxxx* (CR)

Where: *xxxxxx* is the CAROT trunk number. Multiple numbers may be entered if they are enclosed by parentheses; eg, (*xxxxxx,xxxxxx,xxxxxx*).

Requirement: Printout of data is received, followed by prompter character.

2 Log off at this time if no further displays are to be requested by typing:

BYE (CR)

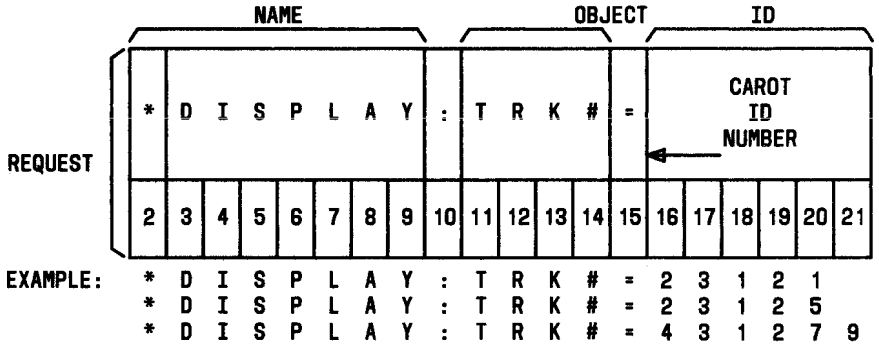


Fig. 38—Trunk Display Command Format With Examples—Trunk Identified by CAROT Trunk Number

PROCEDURE 22—TRUNK GROUP DISPLAY REQUEST OF TRUNK GROUPS IDENTIFIED BY THE CAROT TRUNK GROUP NUMBER

STEP	PROCEDURE
	Note: Command formats and examples are shown in Fig. 39.
1	Request display of trunk group data by typing the following: ***DISPLAY.TG#=***xxxxxx* (CR) Where: *xxxxxx* is the CAROT trunk group number. Multiple numbers may be entered if they are enclosed in parentheses; eg, (*xxxxxx,xxxxxx,xxxxxx*). ***Requirement:*** Printout of data is received followed by prompter character.
2	Log off at this time if no further displays are to be requested by typing: **BYE** (CR)

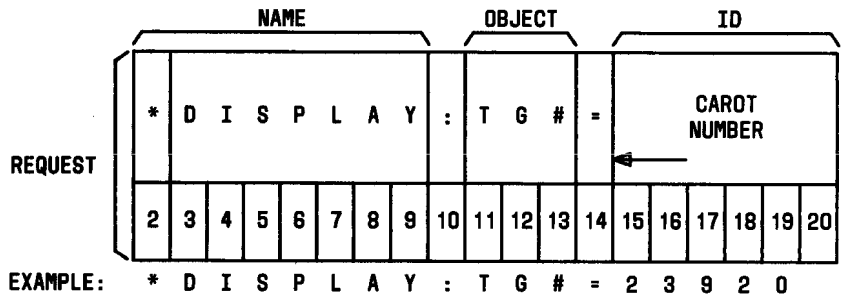


Fig. 39—Trunk Group Display Command Format With Examples—Trunk Group Identified by CAROT Trunk Group Numbers

PROCEDURE 23—TRUNK DISPLAY REQUEST OF TRUNKS IDENTIFIED BY THE CLCI

STEP	PROCEDURE
	Note: Command formats and examples are shown in Fig. 40.
1	Request display of trunk data by typing the following: ***DISPLAY:TRK=***id* (CR) Where: *id* is the common language circuit identification for the trunk. ***Requirement:*** Printout of data is received, followed by the prompter character.
2	Log off at this time if no further displays are to be requested by typing: **BYE** (CR)

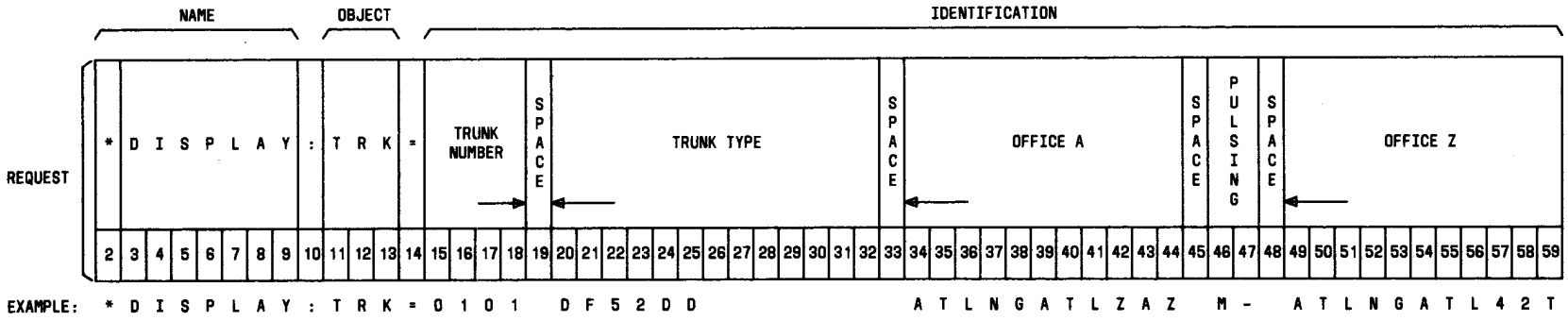


Fig. 40—Trunk Display Command Format With Examples—Trunk Identified by CLCI

PROCEDURE 24—TRUNK GROUP DISPLAY REQUEST OF TRUNK GROUPS IDENTIFIED BY THE CLCI

STEP	PROCEDURE
	Note: Command formats and examples are shown in Fig. 41.
1	Request display of trunk group data by typing the following: ***DISPLAY:TG=***id* (CR) Where: *id* is the common language circuit identification for the trunk group. ***Requirement:*** Printout of data is received followed by the prompter character.
2	Log off at this time if no further displays are to be requested by typing: **BYE** (CR)

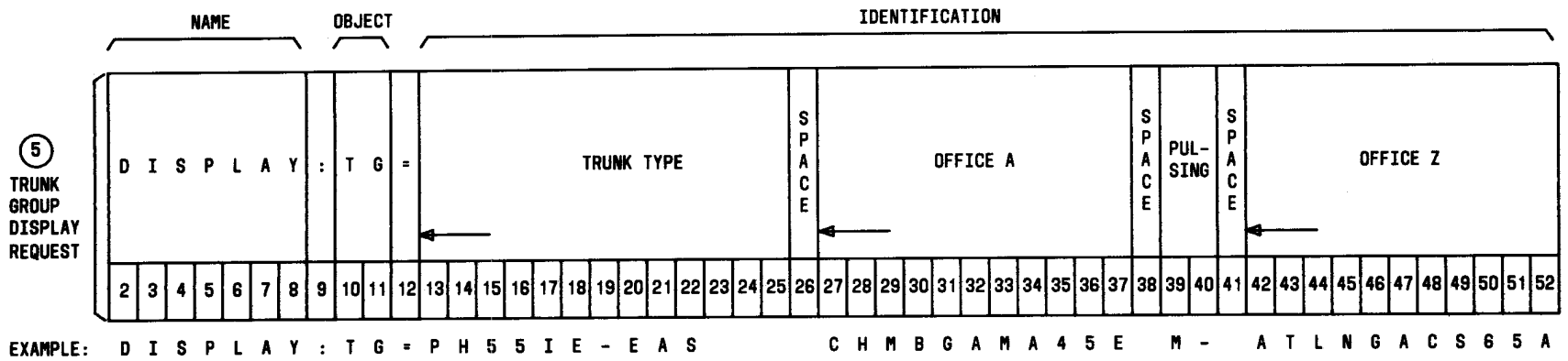


Fig. 41—Trunk Group Display Command Format With Examples—Trunk Group Identified by CLCI

PROCEDURE 25—DATA DISPLAY REQUEST OF ALL TRUNKS IN SPECIFIED CONTROL OFFICE

STEP	PROCEDURE
	Note: Command format for a data display request is shown in Fig. 42.
1a	If **BRIEF** command is to be used, type the following: **BRIEF:ON** (CR)
1b	If **BRIEF** command is not to be used, type the following: **BRIEF:OFF** (CR).
2	Type the following command: ***DISPLAY:TRK.COFC**=*control office id* (CR) Where: *id* is the control office common language location identification (CLLI). ***Requirement:*** A printout of the requested information is given.
3	If no other tasks are to be performed, log off at this time by typing: **BYE** (CR)

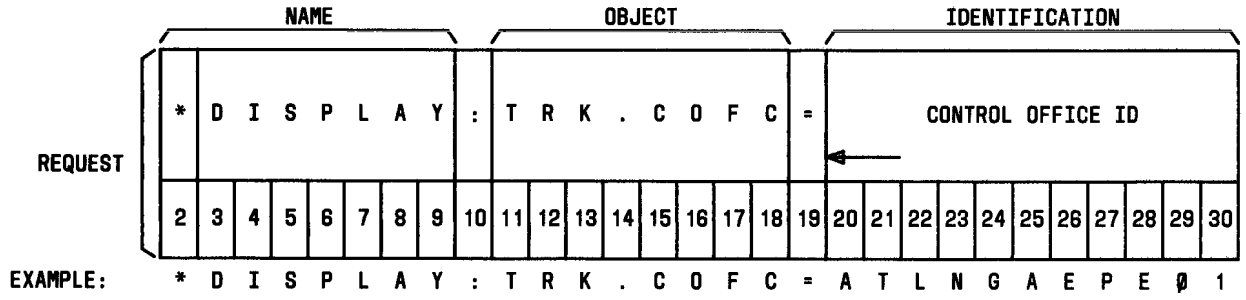


Fig. 42—Display Command Format With Examples—All Trunks In a Control Office—Identified by CLCI

PROCEDURE 26—DATA DISPLAY REQUEST OF ALL TRUNKS IN SPECIFIED FACILITY IDENTIFIED BY CLLI

STEP	PROCEDURE
	Note: Command format for a facility data display request is shown in Fig. 43
1a	If **BRIEF** command is to be used, type the following: **BRIEF:ON** (CR)
1b	If **BRIEF** command is not to be used, type the following: **BRIEF:OFF** (CR)
2	Type the following command: ***DISPLAY:FAC**=*facility id* (CR) Where: *id* is the facility CLLI.
3	Log off at this time if no other tasks are to be performed by typing: **BYE** (CR)

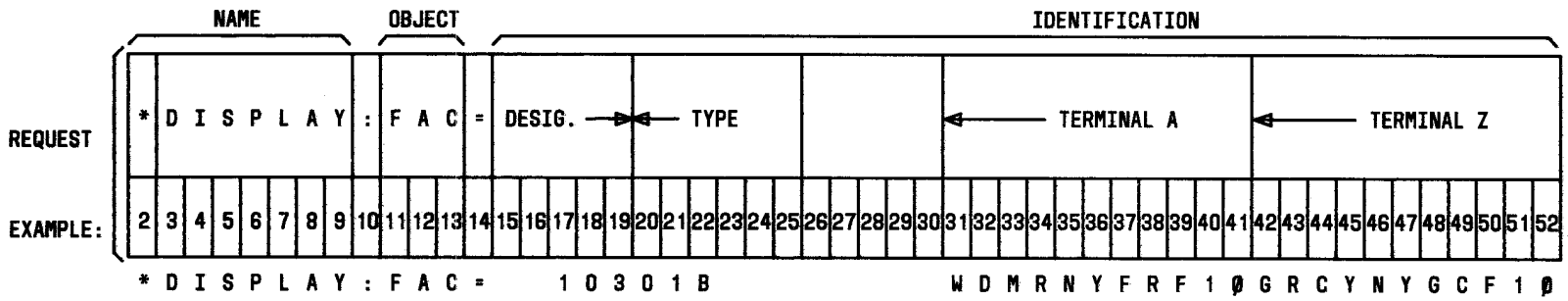


Fig. 43—Display Command Format With Examples—All Trunks In a Facility—Identified by CLLI

PROCEDURE 27—FACILITY DISPLAY REQUEST OF FACILITIES IDENTIFIED BY CAROT FACILITY NUMBER

STEP	PROCEDURE
	Note: Command formats and examples are shown in Fig. 44.
1	Request display of trunk data by typing the following: ***DISPLAY:FAC#=***xxxxxx (CR) Where: xxxxxx is the CAROT trunk number. Multiple numbers may be entered if they are enclosed by parentheses; eg, (xxxxxx,xxxxxx,xxxxxx). ***Requirement:*** Printout of data is received, followed by prompter character.
2	Log out at this time if no further displays are to be requested by typing: **BYE** (CR)

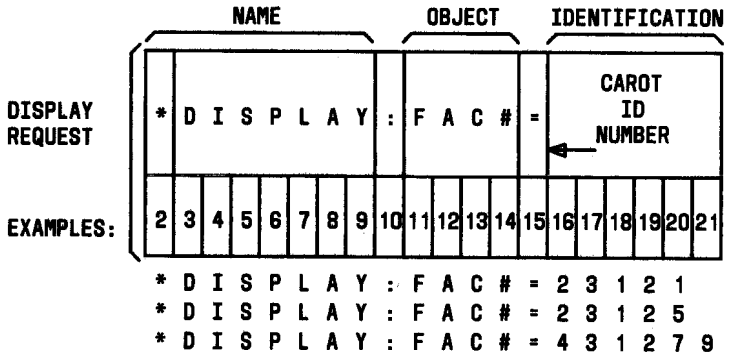


Fig. 44—Display Command Format With Examples—Facility Identified by CAROT Facility Number

PROCEDURE 28—DATA DISPLAY REQUEST OF INDEX DATA FOR CONTROL OFFICE IDENTIFIED BY CLLI

STEP	PROCEDURE
1	Type the following command: ***DISPLAY:INDX.COFC**=*control office id* (CR) Where: *id* is the control office CLLI. ***Requirement:*** A printout of the requested information is given.
2	If no other tasks are to be performed, log off at this time by typing: **BYE** (CR)

PROCEDURE 29—DATA DISPLAY REQUEST OF ROTLS ASSOCIATED WITH A CONTROL OFFICE IDENTIFIED BY CLLI

STEP	PROCEDURE
1	Type the following command: ***DISPLAY:ROTL.COFC**=control office *id* (CR) Where: *id* is the control office CLLI. ***Requirement:*** A printout of the requested information is given.
2	If no other tasks are to be performed, log off at this time by typing: **BYE** (CR)

PROCEDURE 30—DATA DISPLAY REQUEST OF TRUNK GROUPS ASSOCIATED WITH A CONTROL OFFICE IDENTIFIED BY CLLI

STEP	PROCEDURE
1	Type the following command: ***DISPLAY:TG.COFC=***control office id* (CR) Where: *id* is the control office CLLI ***Requirement:*** A printout of the requested information is given. If no other tasks are to be performed, log off at this time by typing: **BYE** (CR)

PROCEDURE 31—DATA DISPLAY REQUEST MANAGEMENT SUMMARY REPORT

STEP	PROCEDURE
	Note: Command format for inputting a management data display request is given in Fig. 45.
1	Request display by typing the following: ***DISPLAY:MNGS.COFC=***control office id* (CR) Where: *control office id* is the CLLI. ***Requirement:*** Management summary report is received.
2	Log off at this time if no other requests are to be made by typing: **BYE** (CR)

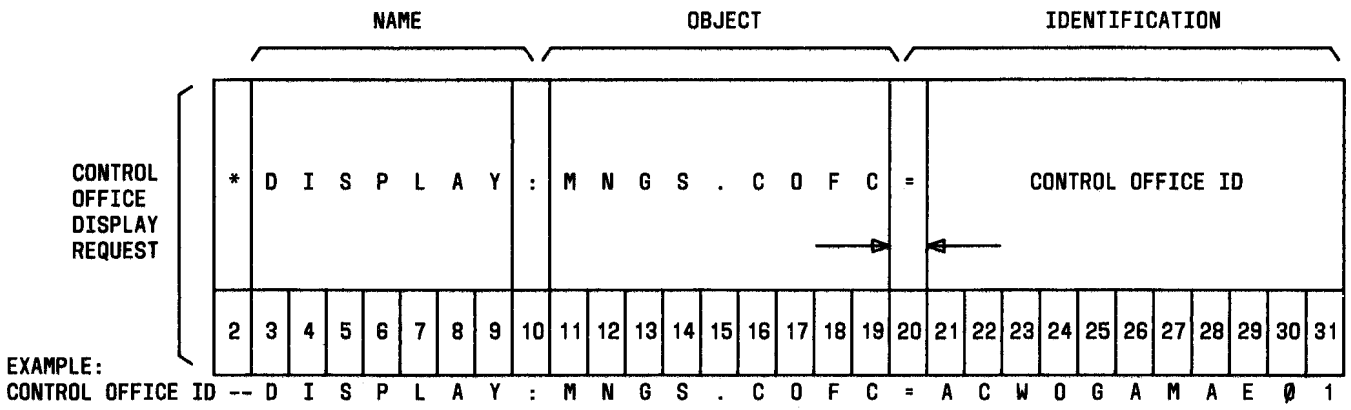


Fig. 45—Display Command Format With Example—Management Summary Report

PROCEDURE 32—REQUEST TEMPORARY DAILY LIST

STEP	PROCEDURE
1a	Request display for user's own control office by typing: **TDL** (CR)
1b	Request temporary daily list for another control office by typing: **TDL:COFC=***control office id* (CR) Where: *control office* is the CLLI.
1c	Request temporary daily list for all offices by typing: **TDL:ALL** (CR)
2	CAROT responds by displaying the temporary daily list.
3	Log out at this time if no other requests are to be made by typing: **BYE** (CR)

PROCEDURE 33—LIST A USER FILE

STEP	PROCEDURE
1	Request a listing of the contents of a user's file by typing: **LFILE:***filename* (CR) Where: *filename* is the name of the desired user file. A maximum of six characters is meaningful.
2	CAROT responds by displaying the file.
3	Log off at this time if no other requests are to be made by typing: **BYE** (CR)

PROCEDURE 34—INTERROGATOR MODE

STEP	PROCEDURE

Note: Read Part 4, Interrogator Mode, description before performing this procedure. Table L contains information concerning demand tests and call dispositions which may be helpful when making use of the interrogator mode.

1 Initiate interrogator mode by typing the following:

MODE:INTER (CR)

Requirement: CAROT responds with interrogator prompter **INT?**.

2a To test ROTL, type the following:

SET:DIAL=DP'*nnnnnnn (CR)*

Note 1: *nnnnnnn* is the phone number exactly as it must be dialed by CAROT including PBX toll access and NPA, if required.

or

SET:DIAL=TT'*nnnnnnn*

or

SET:DIAL=*nnnnnnn*

Where: **DP'** is the dial pulse.

TT' is the TOUCH-TONE® telephone.

nnnnnnn is the ROTL telephone number.

Note 2: If no dialing type is specified, **TT** will be implemented.

2b To test trunk, type the following:

SET:F1=K*ROTL priming digits* **S** (CR)

or

SET:F1=K*w*,**F2=***x*,**F3=***y*,**F4=***z* **S** (CR)

*Unregistered trademark of AT&T

STEP	PROCEDURE

Where: *w, x, y,* and *z* are trunk priming digits divided into logical sequence.

Refer to Part 4 Interrogator Mode, description.

Note: **K** and **S** are not included for small ROTLs.

2c To set test line, type the following:

SET: PD = *abc* (CR)

Where: *a* is 0 if test line is type 100.

a is 2 if test line is type 102.

a is 5 if test line is type 105.

2c Where: *b* is 0 if test pad is 0 dB.

Where: *b* is 2 if test pad is 2 dB or 3 dB.

2c Where: *c* is 6 if impedance is 600 ohms.

Where: *c* = 9 if impedance is 900 ohms.

2d To perform user specified tests, type the following:

SET:TSTT=*test* (CR) or **SET:TSTT**=(*test,test,test*) (CR)

Where: *test* is one of the following:

BAL—Terminal balance (ie, ERL, SRL, SRH)

ERL—Echo return loss

GSA—Gain Slope (ie, L10, L28, L40)

L10—1004-Hz, −16 dBm loss

L28—2804-Hz, −16 dBm loss

L40—404-Hz, −16 dBm loss

LEV—1004-Hz, 0 dbm/OSS

CNO—Noise with tone (C-notch noise)

STEP	PROCEDURE

CME—C-message noise (ie, CMF, CMN)

CMF—Far-end C-message noise

CMN—Near-end C-message noise

SRH—Singing return loss high

SRL—Signing return loss low

TSA—All tests.

3 Obtain a printout of data entered via **SET** command. Printout may be reviewed for accuracy by typing the following:

DISPLAY (CR)

Requirement: A full printout of data entered via **SET** command is given.

Example:
```
PORT=1
F1=CLR
F2=CLR
F3=CLR
F4=CLR
DIAL=NOT SET
PD=100      0DB      600 OHMS
TEST TYPE=LOS CMN CMF
```

Note: Single items may be displayed using **DISPLAY:TST**

4a To test ROTL, type the following:

XMIT:DIAL (CR)

Requirement: ROTL will be seized as indicated by **ANS** response.

4b To access trunk, type the following:

XMIT:F (CR)

Requirement: Trunks will be accessed by interrogator. Table L is a list of responses to seizure attempts. The three responses indicate priming check, trunk access, and test line access in most cases.

STEP	PROCEDURE

Note: The **MON:ON** and **MON:OFF** commands determine whether or not the CAROT tone detector is used to analyze the tones. If **MON:OFF** is used, dispositions will not be printed on the terminal.

5 Initiate responder self-check by typing the following:

SELFCHK (CR)

Requirement: Self-check measurements and test results are printed.

6 Perform tests specified **TSTT** field by typing the following:

TEST (CR)

Requirement: Test results are printed out as follows:

LEVEL *x x*

L1000 *x x*

L2800 *x x*

L400 *x x*

CMESSN *x*

CMESSF —

CNOTCH — —

ERL — —

SRL — —

SRLH — —

Note: *x* is a test result; — indicates no test performed.

7 Hold test connections while selecting new test data by typing:

WAIT (CR)

Note: **WAIT** command causes the interrogator to send a far-end noise measurement every 10 seconds to prevent a responder time-out. The next command other than **SET** or **DISPLAY** causes the **WAIT** command to be deleted and the specified command to be executed.

STEP	PROCEDURE
8	To prepare the ROTLs and test lines for more priming information type the following: **RELEASE** (CR) ***Requirement:*** **ANS** disposition indicates compliance.
9	If no further priming information is to be entered, drop ROTL access by typing the following: **DROP** (CR) Otherwise, return to Step 2.
10	Cause test port and ROTL to return to on-hook state by typing the following: **ONHOOK** (CR)
11	If further tests are to be performed, clear fields of data by typing the following comand. **SET:DIAL=CLR,F1=CLR,F2=CLR,F3=CLR,F4=CLR,PD=CLR** (CR) ***Note:*** A full set of interrogator commands can be displayed by typing **HELP**.
12	Terminate interrogator mode by typing the following: **BYE** (CR) ***Requirement:*** Remote terminal is returned to normal mode as indicated by the **?** prompter. An on-hook for the CAROT test port is automatically done, if necessary.
13	Log off at this time if no other tests are to be performed by typing: **BYE** (CR) ***Note:*** If the interrogator is run from the CAROT controller console, additional commands and features are available. The CAROT call dispositions (Table L) can be heard using the 303A amplifier. The user can select the test port used by the interrogator program. This is accomplished by typing **RETURN** (CR) to return to the test port and then type **SET:PO=***x* (CR), where *x* is the desired port number. To check test port operation, the test port can be placed in an off-hook state by typing **OFHOOK**. The ROTL can be recycled by typing **RECYCLE.**

TABLE L

CAROT CALL DISPOSITIONS

CAROT CALL DISPOSITION	DEFINITION
ANS*	Answer
AR*	Audible ringing
BB	Broadband
BUSY*	Busy
DIF	Disconnect timing failure
EFOB	Equipment failure or blockage
H&D*	High and dry
MWT*	Unexpected 1000-Hz tone
N/O	Time out
PTF	Pretrip failure
RCLF	Recycle failure
RERR	ROTL signaling format error
RO*	Reorder
SPHT	Supervisory HIT detected
TPT	Test progress tone longer than expected (ROTL calls only)
VA*	Voice or voice announcement
- - - -	Responder not equipped
+	Overrange
-	Under range
(Q9)	Self-check failure

*These dispositons are used for ROTL, test line, and trunk test calls. The remaining dispositions (except TPT) are used for trunk test calls only.

PROCEDURE 35—DISPLAY REQUEST FOR LIST OF ALL CIRCUIT ORDERS ASSIGNED PER PLANT CONTROL OFFICE

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 46.
1	Enter display request by typing the following: ***DISPLAY:CKTO.PCO=***cccc* (CR) Where: *cccc* is the CLLI for the office. ***Requirement:*** Requested data is received.
2	Log off remote terminal at this time if no other tests are to be performed by typing: **BYE** (CR)

Legend of callouts:

(1) Request entered by user specifying a display of circuit orders (by number) of all circuit orders assigned to plant control office whose common language identification is **BKFDCAØ1BØ**.

(2) Response from CAROT controller listing all circuit order numbers (6 digits) followed by a number representing the quantity of items comprising the circuit order. Where **21ØØ41** is the circuit order number and the following **ØØØ7** represents the number of items contained in the first circuit order.

(3) The prompter (**?**) meaning CAROT is done and is waiting for another instruction.

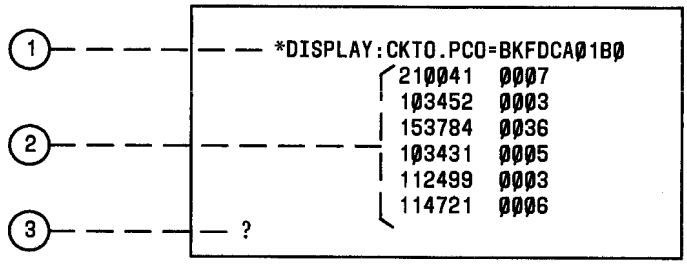


Fig. 46—List of All Circuit Orders Assigned Per Plant Control Office

PROCEDURE 36—DISPLAY LIST OF ALL CIRCUIT ORDER ITEMS ASSIGNED PER PLANT CONTROL OFFICE

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 47.
1	Enter display request by typing the following: ***DISPLAY:ITEM.PCO=***cccc* (CR) Where: * indicates single-entry, immediate-action request. *cccc* represents CLLI for plant control office. ***Requirement:*** Requested data is received.
2	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

Legend of callouts:

(1) Request specifying a display of all circuit order items assigned to plant control office whose CLLI is **SELMALMT87X**.

(2) **/PC**–Record identification containing the circuit order number (2) and plant control office CLLI (**SELMALMT87X**).

(3) **/PV**–Record containing circuit order and item **2005** identification, circuit layout and CAROT testing/completion data.

(4) **/AP**–Action statement for adding pending file.

(5) **/YG**–Record containing trunk group identification where **DF45TG** is the trunk type, **SELMALMT11T** is the originating office "A", D- is the pulsing, and **SELMALMT875** is the terminating office "Z".

(6) **/YB**–Record containing the control office CLLI (**SELMALMT87X**) ROTL/FETL identification office "A" (**SELMALMT87XØ**) and ROTL/FETL identification office "Z" (**SELMALMT61T**).

(7) **/GF**–Record containing record facility CLLI. **NONE ENTERED** is the default.

(8) **/TG**–Record containing trunk group CLLI.

(9) **/TF**–Record containing facility group CLFI.

(10) **/TH**–Record containing direction, traffic use, and testing parameters.

(11) **/TP**–Record containing testing limits parameters.

(12) **/TT**–Record containing channel pair, trunk location address, and trunk identification.

(13) End of pending circuit order record.

(14) Disposition of circuit order item.

(15) Second item data – same as Steps 1 through 14.

NOTE: For further details about each record type, refer to Section 190-103-203.

Fig. 47—List of All Circuit Order Items Assigned Per Plant Control Office (See Note)
(Sheet 1 of 2)

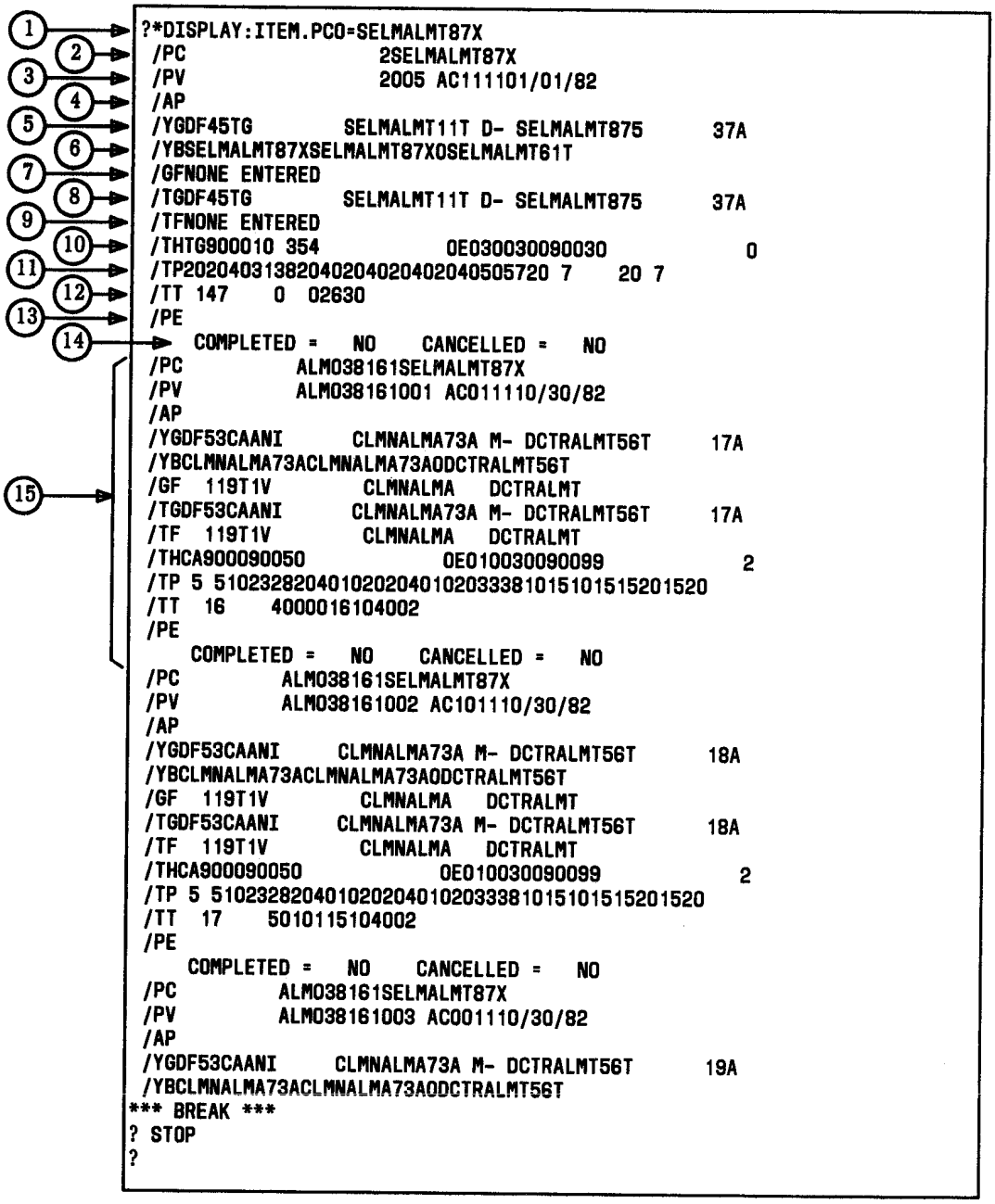


Fig. 47—List of All Circuit Order Items Assigned Per Plant Control Office (See Note) (Sheet 2 of 2)

PROCEDURE 37—DISPLAY REQUEST FOR LIST OF ALL CIRCUIT ORDER ITEMS ASSOCIATED WITH CIRCUIT ORDER NUMBER

STEP	PROCEDURE
	Note 1: Sample printout with explanations is shown in Fig. 48.
	Note 2: This request may be entered as part of a batch request.
1	Enter display request by typing the following:
	DISPLAY:CKTO=aaaa* (CR)
	Where: *aaaa* is the circuit order number.
	* denotes that the request is a single-item request. Asterisk is deleted if the request is submitted as part of a batch request.
	Requirement: Requested data is received.
2	Log off remote terminal at this time if no other tasks are to be performed by typing:
	BYE (CR)

Legend of callouts:

(1) Display request for all circuit order items associated with a specified circuit order number.

(2) /PC–Record identification containing the circuit order number ALM038161 and plant control office CLLI SELMALMT87X.

(3) /PV–Record containing circuit order identification and completion date.

(4) /AP–Action statement for adding pending file.

(5) /YG–Record containing trunk group identification where DF53CAANI is the trunk type, CLMNALMA73AO is the originating office "A", M- is the pulsing, and DCTRALMT56T is the terminating office "Z".

(6) /YB–Record containing the control office CLLI CLMNALMA73A ROTL/FETL identification office "A" CLMNALMA73AØ and ROTL/FETL identification office "Z" DCTRALMT56T.

(7) Record containing record facility CLLI.

(8) /TG–Record containing trunk group CLLI.

(9) /TF–Record containing facility group CLFI.

(10) /TH–Record containing direction, traffic use, and testing parameters.

(11) /TP–Record containing testing limits parameter.

(12) /TT–Record containing channel pair, trunk location address, and trunk identification.

(13) End of pending circuit order record.

(14) Disposition of circuit order record.

(15) Second item data – same as Steps 1 through 14.

NOTE: For further details about each record type, refer to Section 190-103-203.

Fig. 48 — List of All Circuit Order Items Associated With Circuit Order Number (Sheet 1 of 2)

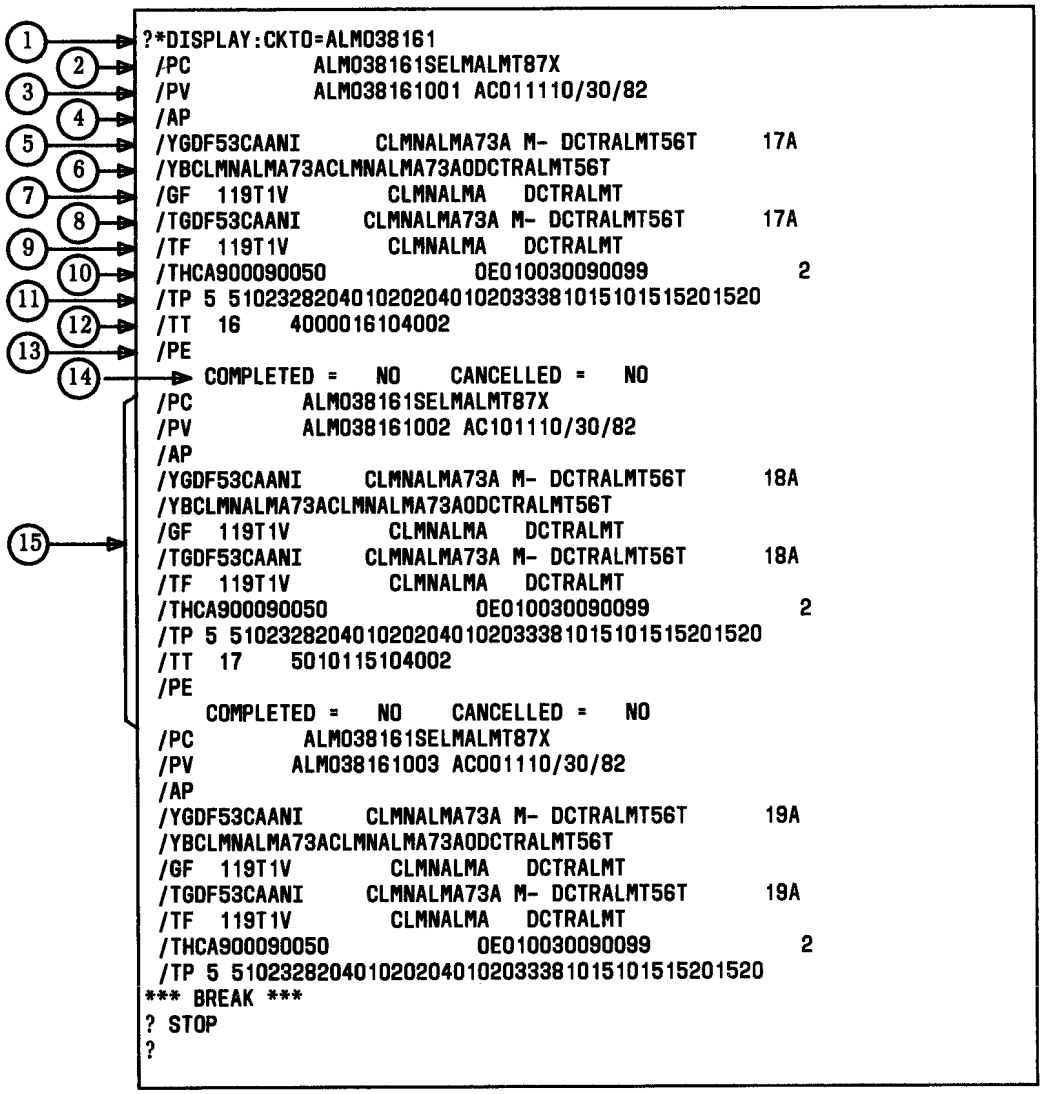


Fig. 48 — List of All Circuit Order Items Associated With Circuit Order Number (Sheet 2 of 2)

PROCEDURE 38—DISPLAY REQUEST FOR LIST OF CIRCUIT ORDER INFORMATION FOR CIRCUIT ORDER ITEM

STEP	PROCEDURE

Note: Sample printout with explanations is shown in Fig. 49.

1 Enter display request by typing the following:

DISPLAY:ITEM=aaaa/bbb* (CR)

Where: *aaaa* is the circuit order number.

bbb is the number of the item of interest (3 characters).

* denotes that the request is a single-item request. Asterisk is deleted if the request is submitted as part of a batch request.

Requirement: Requested data is received.

2 Log off remote terminal at this time if no other tasks are to be performed by typing:

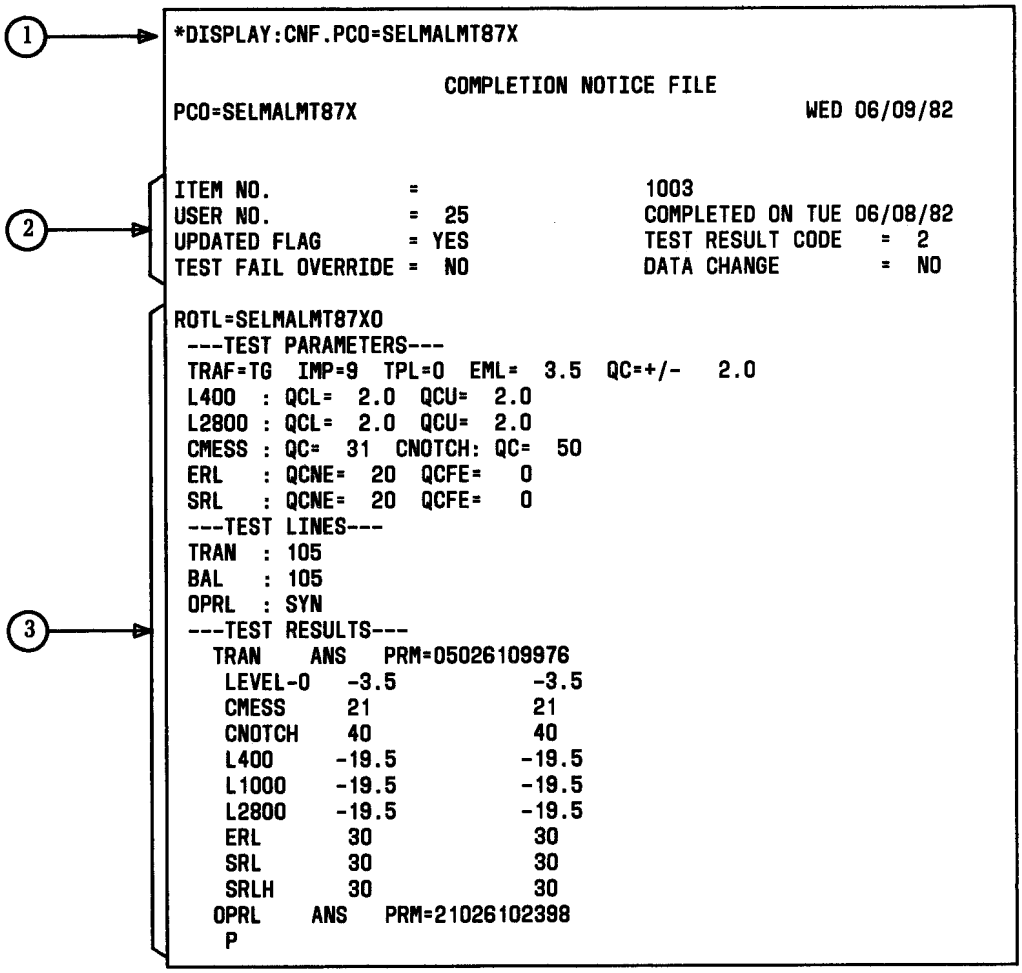
BYE (CR)

```
♦DISPLAY:ITEM=ALM038161/002
/PC          ALM038161SELMALMT87X
/PV          ALM038161002 AC101110/30/82
/AP
/YGDF53CAANI      CLMNALMA73A M- DCTRALMT56T       18A
/YBCLMNALMA73ACLMNALMA73A0DCTRALMT56T
/GF  119T1V         CLMNALMA   DCTRALMT
/TGDF53CAANI      CLMNALMA73A M- DCTRALMT56T       18A
/TF  119T1V         CLMNALMA   DCTRALMT
/THCA900090050              0E010030090099            2
/TP 5 5102328204010202040102033810151015152015 20
/TT  17    5010115104002
/PE
    COMPLETED =   NO    CANCELLED =   NO
------------------
?
```

Fig. 49—List of All Circuit Order Information for Circuit Order Item

PROCEDURE 39—DISPLAY COMPLETION NOTICE FILE PER PLANT CONTROL OFFICE

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 50.
1	Enter display request by typing the following: ***DISPLAY:CNF.PCO=***cccc (CR) Where: *cccc* is the CLLI for the office. * denotes that the request is a single-item request. Asterisk is deleted if the request is submitted as a part of a batch request. ***Requirement:*** Requested data is received.
2	Log off remote terminal at this time if no other tasks are to be performed by typing: **BYE** (CR)



```
*DISPLAY:CNF.PCO=SELMALMT87X

                    COMPLETION NOTICE FILE
PCO=SELMALMT87X                                        WED 06/09/82


ITEM NO.            =                    1003
USER NO.            =  25                COMPLETED ON TUE 06/08/82
UPDATED FLAG        = YES                TEST RESULT CODE    =  2
TEST FAIL OVERRIDE  =  NO                DATA CHANGE         =  NO

ROTL=SELMALMT87XO
 ---TEST PARAMETERS---
 TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-   2.0
 L400  : QCL=  2.0  QCU=  2.0
 L2800 : QCL=  2.0  QCU=  2.0
 CMESS : QC=  31  CNOTCH: QC=  50
 ERL   : QCNE=  20  QCFE=   0
 SRL   : QCNE=  20  QCFE=   0
 ---TEST LINES---
 TRAN  : 105
 BAL   : 105
 OPRL  : SYN
 ---TEST RESULTS---
   TRAN    ANS   PRM=05026109976
    LEVEL-0   -3.5          -3.5
    CMESS      21            21
    CNOTCH     40            40
    L400     -19.5         -19.5
    L1000    -19.5         -19.5
    L2800    -19.5         -19.5
    ERL         30            30
    SRL         30            30
    SRLH        30            30
   OPRL    ANS   PRM=21026102398
    P
```

Legend of callouts:

(1) REQUEST FOR COMPLETION NOTICE FILE FOR SPECIFIED PLANT CONTROL OFFICE AS ON RECORD FOR DAY OF REQUEST

(2) CIRCUIT ORDER COMPLETION DATA PER ITEM NUMBER

(3) ASSOCIATED TEST RESULTS DATA.

Fig. 50—Completion Notice File Per Plant Control Office (Sheet 1 of 2)

```
ITEM NO.            =                  2003
USER NO.            =  25              COMPLETED ON TUE 06/08/82
UPDATED FLAG        = YES              TEST RESULT CODE    = 2
TEST FAIL OVERRIDE =  NO               DATA CHANGE         = NO

ROTL=SELMALMT87XO
 ---TEST PARAMETERS---
 TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-   2.0
 L400  : QCL=  2.0  QCU=  2.0
 L2800 : QCL=  2.0  QCU=  2.0
 CMESS : QC=  31  CNOTCH: QC=  50
 ERL   : QCNE=  20  QCFE=   0
 SRL   : QCNE=  20  QCFE=   0
 ---TEST LINES---
 TRAN  : 105
 BAL   : 105
 OPRL  : SYN
 ---TEST RESULTS---
   TRAN    ANS   PRM=05026109976
    LEVEL-0   -3.5           -3.5
    CMESS      21             21
    CNOTCH     40             40
    L400     -19.5          -19.5
    L1000    -19.5          -19.5
    L2800    -19.5          -19.5
    ERL        30             30
    SRL        30             30
    SRLH       30             30
   OPRL    ANS   PRM=21026102398
    P
------------------
?
```

Fig. 50—Completion Notice File Per Plant Control Office (Sheet 2 of 2)

PROCEDURE 40—DISPLAY MANAGEMENT SUMMARY REPORT PER PLANT CONTROL OFFICE

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 51.
1	Enter request for report by typing: ***DISPLAY:MNGS.PCO=***cccc* (CR) Where: * indicates single-entry, immediate-action request. *cccc* represents CLLI for plant control office of interest (11 alphanumeric characters, maximum). ***Requirement:*** Requested data is received.
2	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

```
?♦DISPLAY:MNGS.PCO=PCLMNALMA73

                        PCO MANAGEMENT SUMMARY

 PCO=PCLMNALMA73                                          THU 06/10/82

 CIRCUIT ORDER COMPLETION ACTIVITY SINCE                   WED 07/15/81

 TOTAL NO. OF ITEMS COMPLETED          =      2
 NO. OF ADDS                           =      1
 NO. OF DISCONNECTS                    =      0
 NO. OF CHANGES                        =      1
 NO. OF CANCELS                        =      0
 NO. OF CKTO'S COMPLETED               =      0

 CIRCUIT ORDER DATA BASE AS OF                             WED 06/09/82

 TOTAL NO. OF ITEMS PENDING            =     14
 TOTAL NO. OF CIRCUIT ITEMS            =     14
 NO. OF ADDS                           =      1
 NO. OF DISCONNECTS                    =      1
 NO. OF CHANGES                        =      2
 NO. OF CANCELS                        =      0
 NO. PENDING ITEMS OF TYPE FACILITY    =      3
 NO. PENDING ITEMS OF TYPE OTHER       =      7
 TOTAL NO. OF CIRCUIT ORDER PENDING    =      1
 TOTAL NO. OF ITEMS OVERDUE            =      0
------------------
?
```

Fig. 51—Management Summary Report Per Plant Control Office

PROCEDURE 41—DEMAND TEST OF SINGLE CIRCUIT ORDER ITEM

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 52.
1	Enter demand test request for single circuit order item by typing: ***TEST:ITEM=***aaaa/bbb* (CR) Where: * indicates single-entry, immediate-action request. *aaaa* represents circuit order number (18 alphanumeric characters, maximum). *bbb* represents the item number (3 numeric characters, maximum). ***Requirement:*** CAROT responds with **EST. COMPLETION:** *time*
2	Wait for the following completion of testing message: *****RESULTS ARE READY*****
3	Obtain a copy of test results by typing: **BATRS:ALL** (CR) ***Requirement:*** Terminal prints out test results.
4	Delete test entry by typing: **DELETE:ALL** (CR)
5	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

Legend of callouts:

(1) Test request for demand test of a single circuit order item where **ALMØ38161** is the circuit order number and/**ØØ2** identifies the item number.

(2) CAROT response showing estimated completion time when test results will be available.

(3) CAROT announcement that testing has been completed and results are ready.

(4) Operator command requesting all test results.

Test Results Step (5) through Step (11).

(5) Batch number followed by repeat of initial request as explained in Step (1).

(6) Overall status report on test results.

(7) ROTL office ID.

(8) Test Parameters where:

(a) TRAF = traffic use
IMP = imdedance
TLP = test pad loss
EML = expected measured loss
QC = circuit order level limit (dB)

(b) L400

QCL = Lower 404-Hz circuit order limit (dB)
QCU = Upper 404-Hz circuit order limit (dB)

(c) L2800

QCL = Lower 2800-Hz circuit order limit (dB)
QCU = Upper 2800-Hz circuit order limit (dB)

(d) CMESS

QC = C-Message noise circuit order limit (dBrnc)
CNOTCH
QC = Noise with tone circuit order limit (dBrnc)

(e) ERL

QCNE = Near-end echo return-loss circuit order limit (dB)
QCFE = Far-end echo return-loss circuit order limit (dB)

(f) SRL

QCNE = Near-end singing return-loss circuit order limit (dB)
QCFE = Far-end singing return-loss circuit order limit (dB)

(9) Types of test lines used to make test.

(10) Reasons why certain tests could not be performed.

Fig. 52—Demand Test of Single Circuit Order Item (Sheet 1 of 2)

Legend of callouts (Contd):

(11) Test results

(a) TRAN = transmission test (refers to the type of test performed)
ANS = call disposition.
PMR = configured priming for this test.

(b) Measured test results

Note 1: QC means circuit order limit exceeded.
Note 2: If an operational test is performed, it will look like the following:

```
OPRL   ANS   PRM = 2ØØØ29Ø62930
 P
```

Where: P = Passed
F = Failed

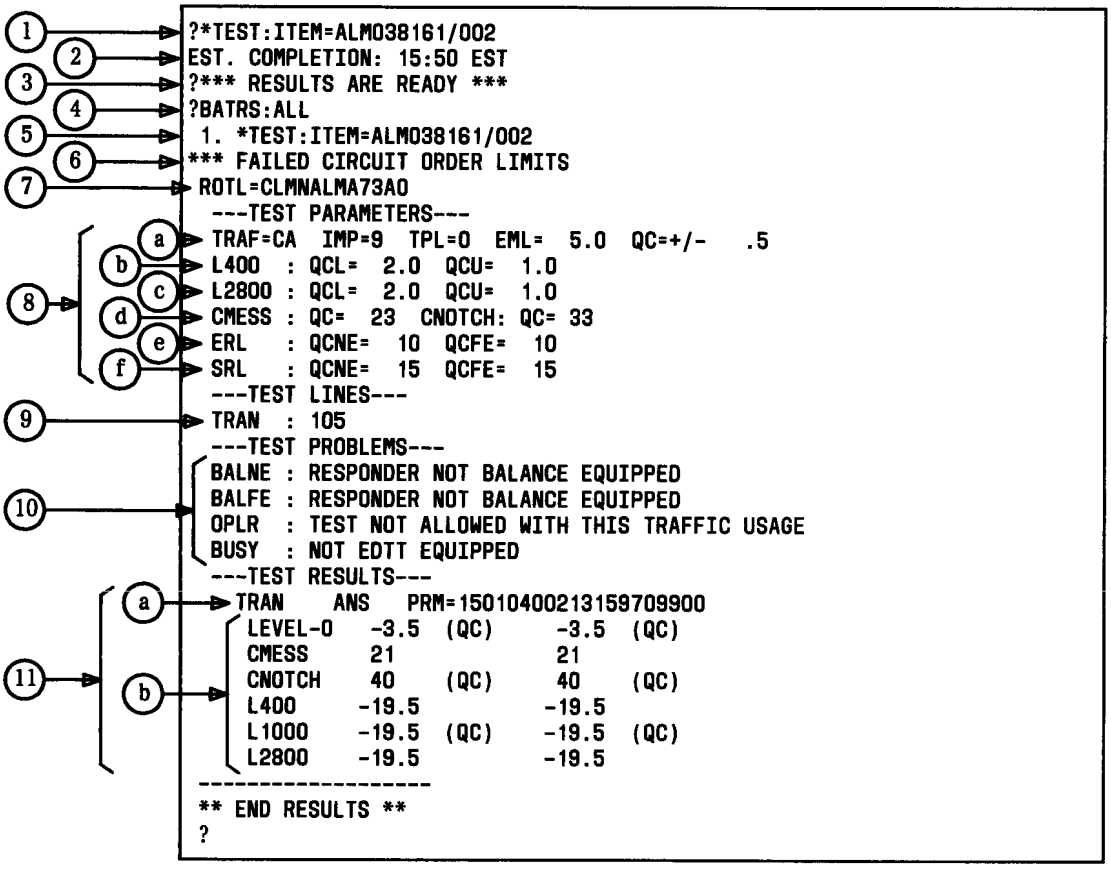


Fig. 52—Demand Test of Single Circuit Order Item (Sheet 2 of 2)

PROCEDURE 42—DEMAND TEST OF SINGLE CIRCUIT ORDER ITEM WITH PARAMETER CHANGES

STEP	PROCEDURE

Note 1: Sample printout with explanations is shown in Fig. 53.

Note 2: This request may be entered as part of a batch request.

1 Enter test request by typing the following:

***TEST:ITEM**=*aaaa/bbb,dddd* (CR)

Where: *aaaa* is the circuit order number.

bbb is the circuit order item number (3 characters maximum).
dddd is the qualifier for revising test parameters and is formatted as follows: *field* or *field=value*, (see Tables M and N at the end of this procedure).

The * denotes that the request is a single-item request. The asterisk is deleted if the request is submitted as part of a batch request.

Requirement: CAROT will respond with **EST. COMPLETION:** *time.*

2 Wait for the following testing completion message:

RESULTS ARE READY

3 Obtain a copy of test results by typing the following:

BATRS:ALL (CR)

Requirement: Terminal prints out test results.

4 Delete test entry by typing the following:

DELETE:ALL (CR)

5 Log off remote terminal at this time if no other tests are to be performed by typing:

BYE (CR)

```
?♦TEST:ITEM=ALM038161/002,LEVEL,EML=3.5
EST. COMPLETION: 16:12 EST
?♦♦♦ RESULTS ARE READY ♦♦♦
?BATRS:ALL
 1. ♦TEST:ITEM=ALM038161/002,LEVEL,EML=3.5
♦♦♦ PASSED CIRCUIT ORDER LIMITS
 ROTL=CLMNALMA73A0
  ---TEST PARAMETERS---
  TRAF=CA  IMP=9  TPL=0  EML=  3.5  QC=+/-    .5
  L400  : QCL=  2.0  QCU=  1.0
  L2800 : QCL=  2.0  QCU=  1.0
  CMESS : QC=  23  CNOTCH: QC=  33
  ERL   : QCNE=  10  QCFE=  10
  SRL   : QCNE=  15  QCFE=  15
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
    TRAN    ANS   PRM=15010400213159709900
     LEVEL-0   -3.5            -3.5
------------------------
♦♦ END RESULTS ♦♦
?
```

Fig. 53—Demand Test of a Single Circuit Order Item With Parameter Changes

TABLE M

FIELDS SPECIFIED FOR THE TESTING AND COMPLETION OF ITEMS

FIELD NAME	EXPLANATION
CNOTL=*value*	C-notch noise with tone limit (value less than 99)
COLL=*value*	CO loss limit, value less than 9.9
CONL=*value*	C-message noise limit, value less than 99
DATE=*value*	Liar date in the form *mm/dd/yy*
EML=*value*	Expected measured loss, value less than 99.9
EOTT=*value*	EOTT priming digits (only 5 characters)
ERLFE=*value*	Circuit order echo return loss far-end limit
ERLNE=*value*	Circuit order echo return near-end limit
IMP=*value*	Impedance, only values "6" and "9"
L28LL=*value*	Circuit order 2804-Hz, –16 dBm less loss limit
L28ML=*value*	Circuit order 2804-Hz, –16 dBm more loss limit
L4LL=*value*	Circuit order 404-Hz, –16 dBm less loss limit
L4ML=*value*	Circuit order 404-Hz, –16 dBm more loss limit
NDIG=*value*	Number of FETL digits
OLTD=*value*	Optional leading test line digit, only values ' ', '0,' and '1'
RNNX=*value*	Replace NNX, only 3 characters
RNPA=*value*	Replace NPA, only 3 characters
SRLFE=*value*	Circuit order singing return loss far-end limit
SRLNE=*value*	Circuit order singing return loss near-end limit
TLA=*value*	Trunk priming, only 14 characters
TPL=*value*	Test pad loss, only values "0," "2," and "3"

TABLE N

FIELDS SPECIFIED FOR ITEM AND CKTO TEST (NOTE)

FIELDS			
BAL	CXR*	L400	SRL
BUSY*	ERL	LEVEL	SRLH
CDE*	FL*	NCHG*	TIC*
CMESS	GSALL	OP/CH*	TRO*
CNOTCH	GLA*	OPRL	TRT*
CP*	L1000	OTC*	TSALL
CXNA*	L2800	RTALL*	

Note: See Table I for explanations of fields.

* Tests applicable to EOTT tests.

PROCEDURE 43—DEMAND TEST OF SEVERAL CIRCUIT ORDER ITEMS ASSOCIATED WITH SAME CIRCUIT ORDER

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 54.
1	Enter demand test request for several items by typing: ***TEST:ITEM**=*aaaa/(bbb,bbb,bbb),dddd* (CR) Where: * indicates single-entry, immediate-action request. *aaaa* represents circuit order number (18 alphanumeric characters, maximum). *bbb* represents numbers for different items to be tested. *dddd* represents the qualifier for revising test parameters and is formatted as follows: *field* or *field=value*. See Tables M and N at the end of PROCEDURE 42. ***Requirement:*** CAROT responds with **EST. COMPLETION:** *time*
2	Wait for the following completion of testing message: *****RESULTS ARE READY*****
3	Obtain a copy of test results by typing: **BATRS:ALL** (CR) ***Requirement:*** Terminal prints out test results.
4	Delete test entry by typing: **DELETE:ALL** (CR)
5	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

```
?♦TEST:ITEM=ALM038161/(002,004),LEVEL,CMESS
  TEST:ITEM=          ALM038161/002
  TEST:ITEM=          ALM038161/004
EST. COMPLETION: 16:20 EST
?♦♦♦ RESULTS ARE READY ♦♦♦
?BATRS:ALL
 1. ♦TEST:ITEM=ALM038161/(002,004),LEVEL,CMESS
    TEST:ITEM=          ALM038161/002
♦♦♦ FAILED CIRCUIT ORDER LIMITS
 ROTL=CLMNALMA73A0
  ---TEST PARAMETERS---
  TRAF=CA  IMP=9  TPL=0  EML=  5.0  QC=+/-   .5
  L400  : QCL=  2.0  QCU=  1.0
  L2800 : QCL=  2.0  QCU=  1.0
  CMESS : QC=  23  CNOTCH: QC=  33
  ERL   : QCNE=  10  QCFE=  10
  SRL   : QCNE=  15  QCFE=  15
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
    TRAN    ANS   PRM=15010400213159709900
     LEVEL-0   -3.5  (QC)      -3.5  (QC)
     CMESS     21              21
--------------------
    TEST:ITEM=          ALM038161/004
♦♦♦ FAILED CIRCUIT ORDER LIMITS
 ROTL=CLMNALMA73A0
  ---TEST PARAMETERS---
  TRAF=CA  IMP=9  TPL=0  EML=  5.0  QC=+/-   .5
  L400  : QCL=  2.0  QCU=  1.0
  L2800 : QCL=  2.0  QCU=  1.0
  CMESS : QC=  23  CNOTCH: QC=  33
  ERL   : QCNE=  10  QCFE=  10
  SRL   : QCNE=  15  QCFE=  15
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
    TRAN    ANS   PRM=15010400203179709900
     LEVEL-0   -3.5  (QC)      -3.5  (QC)
     CMESS     21              21
--------------------
♦♦ END RESULTS ♦♦
?
```

Fig. 54—Demand Test of Several Circuit Order Items Associated With Same Circuit Order

PROCEDURE 44—DEMAND TEST OF A SPECIFIED CIRCUIT ORDER

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 55.
1	Enter demand test request for a particular circuit order by typing: ***TEST:CKTO**=*aaaa* (CR) Where: * indicates single-entry, immediate-action request. *aaaa* represents circuit order number (18 alphanumeric characters maximum). Multiple numbers may be entered if they are enclosed by parentheses; eg, (*aaaa,aaaa,aaaa*). ***Requirement:*** CAROT responds with **EST. COMPLETION:** *time.*
2	Wait for the following completion of testing message: *****RESULTS ARE READY*****
3	Obtain a copy of test results by typing: **BATRS:ALL** (CR) ***Requirement:*** Terminal prints out test results.
4	Delete test entry by typing: **DELETE:ALL** (CR)
5	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

```
?*TEST:CKTO=ALM00011
  TEST:ITEM=           ALM00011/001
  TEST:ITEM=           ALM00011/002
  TEST:ITEM=           ALM00011/003
EST. COMPLETION: 09:34 EST
?BATRS:STATUS
CURRENT BATCH STATUS
 BATCH CREATED    = YES
 BATCH SUBMITTED = YES
 BATCH COMPLETED = NO
?*** RESULTS ARE READY ***
?BATRS:ALL
 1. *TEST:CKTO=ALM00011
    TEST:ITEM=           ALM00011/001
*** PASSED CIRCUIT ORDER LIMITS
 ROTL =SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG    IMP=9    TPL=0    EML=    3.5   QC=+/-   2.0
  L400   :  QCL=   2.0    QCU=    2.0
  L2800  :  QCL=   2.0    QCU=    2.0
  CMFSS  :  QC=   31    CNOTCH:  QC=    50
  ERL    :  QCNE=   20    QCFE=     0
  SRL    :  QCNE=   20    QCFE=     0
  ---TEST  LINES---
  TRAN   :  105
  OPRL   :  NON
  ---TEST PROBLEMS---
  BALNE  :  RESPONDER NOT BALANCE EQUIPPED
  BALFE  :  RESPONDER NOT BALANCE EQUIPPED
  BUSY   :  NOT EOTT EQUIPPED
  ---TEST RESULTS---
    TRAN     ANS    PRM=050029062070
     LEVEL-0   -3.5            -3.5
     CMESS      21              21
     CNOTCH     40              40
     L400     -19.5           -19.5
     L1000    -19.5           -19.5
     L2800    -19.5           -19.5
    OPRL     ANS    PRM=200029062930
     P
------------------
 *** BREAK ***
? STOP
?
```

Fig. 55—Demand Test of a Specified Circuit Order

PROCEDURE 45—DEMAND TEST OF SPECIFIED CIRCUIT ORDER WITH PARAMETER CHANGES

STEP	PROCEDURE
	Note 1: Sample printout with explanations is shown in Fig. 56.
	Note 2: This test may be entered as part of a batch request.
1	Enter test request by typing the following:
	TEST:CKTO=aaaa,dddd (CR)
	Where: *aaaa* is the circuit order number (18 characters, maximum). Multiple numbers may be entered if they are enclosed by parentheses; eg, (*aaaa,aaaa,aaaa*).
	dddd is the qualifier for revising test parameters and is formatted as follows: *field* or *field=value*, (see Table M and N, PROCEDURE 42).
	* denotes that the request is a single-item request. Asterisk is deleted if the request is submitted as part of a batch request.
	Requirement: CAROT responds with **EST. COMPLETION:** *time*
2	Wait for the following testing completion message:
	RESULTS ARE READY
3	Obtain a copy of test results by typing the following:
	BATRS:ALL (CR)
	Requirement: Test results are received, concluded by ***END RESULTS***
4	Delete test entry by typing the following:
	DELETE:ALL (CR)
5	Log off remote terminal at this time if no other tasks are to be performed by typing:
	BYE (CR)

```
?*TEST:CKTO=ALM00011,LEVEL,CMESS
  TEST:ITEM=           ALM00011/001
  TEST:ITEM=           ALM00011/002
  TEST:ITEM=           ALM00011/003
EST. COMPLETION: 09:41 EST
?*** RESULTS ARE READY ***
?BATRS:ALL
 1. *TEST:CKTO=ALM00011,LEVEL,CMESS
    TEST:ITEM=           ALM00011/001
*** PASSED CIRCUIT ORDER LIMITS
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-  2.0
  L400  : QCL=  2.0  QCU=  2.0
  L2800 : QCL=  2.0  QCU=  2.0
  CMESS : QC=  31  CNOTCH: QC=  50
  ERL   : QCNE=  20  QCFE=   0
  SRL   : QCNE=  20  QCFE=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
    TRAN    ANS   PRM=050029062070
     LEVEL-0   -3.5           -3.5
     CMESS     21             21
-------------------
    TEST:ITEM=           ALM00011/002
*** PASSED CIRCUIT ORDER LIMITS
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-  2.0
  L400  : QCL=  2.0  QCU=  2.0
  L2800 : QCL=  2.0  QCU=  2.0
  CMESS : QC=  31  CNOTCH: QC=  50
  ERL   : QCNE=  20  QCFE=   0
  SRL   : QCNE=  20  QCFE=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
    TRAN    ANS   PRM=05026009976
     LEVEL-0   -3.5           -3.5
     CMESS     21             21
-------------------
    TEST:ITEM=           ALM00011/003
*** PASSED CIRCUIT ORDER LIMITS
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-  2.0
  L400  : QCL=  2.0  QCU=  2.0
  L2800 : QCL=  2.0  QCU=  2.0
  CMESS : QC=  31  CNOTCH: QC=  50
  ERL   : QCNE=  20  QCFE=   0
  SRL   : QCNE=  20  QCFE=   0
  ---TEST LINES---
  TRAN  : 105
  ---TEST RESULTS---
    TRAN    ANS   PRM=05026109976
     LEVEL-0   -3.5           -3.5
     CMESS     21             21
-------------------
** END RESULTS **
?
```

Fig. 56—Demand Test of a Specified Circuit Order With Parameter Changes

PROCEDURE 46—COMPLETE CIRCUIT ORDER ITEM(S)—CAROT TESTABLE

STEP	PROCEDURE

Note: Sample printout with explanations is shown in Fig. 57.

1 Enter completion request as follows:

(a) For single-item entry, type:

COMP:ITEM=*aaaa/bbb* (CR)

(b) For multiple item entries, type:

COMP:ITEM=*aaaa/(bbb,bbb,bbb)* (CR)

Where: *aaaa* represents circuit order number (18 alphanumeric characters, maximum).

bbb represents the item number (3 numeric characters, maximum).

2 Repeat Step 1 for each circuit order item to be completed.

3 Obtain list of entries for verification by typing:

LIST (CR)

Requirement: Complete listing of entries is printed out on terminal.

4 Correct any erroneous entry by typing:

DELETE:*xx* (CR)

Where: *xx* represents sequence number of erroneous entry as it appears in list.

5 Reenter data correctly as described in Step 1.

6 Indicate completion of entries to CAROT by typing:

SUBMIT (CR)

Requirement: CAROT responds with **EST. COMPLETION:** *time.*

7 Obtain time-setting of CAROT clock by typing:

DATE (CR)

Requirement: CAROT responds with date and time.

STEP	PROCEDURE
8	Wait for the following completion of testing message: *****RESULTS ARE READY*****
9	Obtain a copy of test results by typing: **BATRS:ALL** (CR) ***Requirement:*** Terminal prints out test results.
10	Delete test entry by typing: **DELETE:ALL** (CR)
11	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

```
?COMP:ITEM=ALM00011/(001,002)
  COMP:ITEM=          ALM00011/001
  COMP:ITEM=          ALM00011/002
?SUBMIT
EST. COMPLETION: 09:45 EST
?*** RESULTS ARE READY ***
?BATRS:ALL
 1. COMP:ITEM=ALM00011/(001,002)
    COMP:ITEM=          ALM00011/001
*** ITEM COMPLETED
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-  2.0
  L400  : QCL=  2.0  QCU=  2.0
  L2800 : QCL=  2.0  QCU=  2.0
  CMESS : QC=  31  CNOTCH: QC=  50
  ERL   : QCNE=  20  QCFE=   0
  SRL   : QCNE=  20  QCFE=   0
  ---TEST LINES---
  TRAN  : 105
  OPRL  : NON
  ---TEST RESULTS---
    TRAN    ANS   PRM=050029062070
     LEVEL-0   -3.5          -3.5
     CMESS      21            21
     CNOTCH     40            40
     L400     -19.5         -19.5
     L1000    -19.5         -19.5
     L2800    -19.5         -19.5
    OPRL    ANS   PRM=200029062930
     P
-------------------
    COMP:ITEM=          ALM00011/002
*** ITEM COMPLETED
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-  2.0
  L400  : QCL=  2.0  QCU=  2.0
  L2800 : QCL=  2.0  QCU=  2.0
  CMESS : QC=  31  CNOTCH: QC=  50
  ERL   : QCNE=  20  QCFE=   0
  SRL   : QCNE=  20  QCFE=   0
  ---TEST LINES---
  TRAN  : 105
  BAL   : 105
  OPRL  : SYN
  ---TEST RESULTS---
    TRAN    ANS   PRM=05026009976
     LEVEL-0   -3.5          -3.5
     CNOTCH     40            40
     L400     -19.5         -19.5
     L1000    -19.5         -19.5
     L2800    -19.5         -19.5
     ERL        30            30
     SRL        30            30
     SRLH       30            30
    OPRL    ANS   PRM=21026002398
     P
-------------------
** END RESULTS **
?
```

Fig. 57—Complete Circuit Order Item(s) CAROT Testable

PROCEDURE 47—COMPLETE CIRCUIT ORDER ITEM(S) CAROT TESTABLE WITH PARAMETER CHANGES (INCLUDING TEST FAILURE OVERRIDE)

STEP	PROCEDURE

Note: Sample printout is shown in Fig. 9.

A. Single-Item Entries With Parameter Changes

1a Enter single-item request by typing the following:

COMP:ITEM=*aaaa/bbb,dddd* (CR)

B. Multiple-Item Entries With Common Parameter

1b Enter multiple-item request by typing the following:

COMP:ITEM=*aaaa/(bbb,bbb,bbb),dddd* (CR)

Where: *aaaa* is the circuit order number (18 characters, maximum).

bbb is the circuit order item number (3 characters, maximum).

dddd is the command qualifier for revising test parameters and is formatted as: *field* or *field=value*; see Tables M and O

2 Repeat Step 1 for each circuit order item associated with different circuit orders.

3 Obtain a list of entries by typing the following:

LIST (CR)

4a If the listing shows incorrect entries, delete the incorrect entries by typing the following:

DELETE:ALL (CR)
or
DELETE:*xx*

Where: *xx* is the sequence number of the incorrect listing.

4b Reenter the correct data by returning to Step 1 of this procedure.

5 If the listing shows correct entries, enter them into CAROT by typing the following:

SUBMIT (CR)

Requirement: CAROT responds with **EST. COMPLETION:** *time*

STEP	PROCEDURE
6	Obtain setting of CAROT clock by typing the following: **DATE** (CR) ***Requirement:*** CAROT responds with date and time.
7	When task is completed, CAROT responds with the following: *****RESULTS ARE READY*****
8	Obtain a copy of results by typing the following: **BATRS:ALL** (CR) ***Requirement:*** Completion test results are received.
9	Delete batch entry by typing the following: **DELETE:ALL** (CR)
10	Log off remote terminal at this time if no other tasks are to be performed by typing: **BYE** (CR)

TABLE O

FIELDS SPECIFIED FOR ITEM AND CKTO COMPLETION

NAME	EXPLANATION
DATE=*value*	Liars date (ie, **DATE**=MM DD YY)
NOTEST	Complete without testing
OVER	Override test failure

PROCEDURE 48—COMPLETE SPECIFIED CIRCUIT ORDER

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 58.
1	Enter completion request for a particular circuit order by typing: **COMP:CKTO=***aaaa* (CR) Where: *aaaa* represents the circuit order number (18 alphanumeric characters, maximum). Multiple numbers may be entered if they are enclosed by parentheses; eg, (*aaaa,aaaa,aaaa*).
2	Repeat Step 1 for each circuit order to be completed.
3	Obtain list of entries for verification by typing: **LIST** (CR) ***Requirement:*** Complete listing of entries is printed out on terminal.
4	Correct any erroneous entry by typing: **DELETE:***xx* Where: *xx* represents sequence number of erroneous entry as it appears in list.
5	Reenter data correctly as described in Step 1.
6	Indicate completion of entries to CAROT by typing: **SUBMIT** (CR) ***Requirement:*** CAROT responds with **EST. COMPLETION:** *time*
7	Obtain time-setting of CAROT clock by typing: **DATE** (CR) ***Requirement:*** CAROT responds with date and time.
8	Wait for the following completion of testing message: *****RESULTS ARE READY*****

STEP	PROCEDURE
9	Obtain a copy of test results by typing: **BATRS:ALL** (CR) ***Requirement:*** Terminal prints out test results.
10	Delete test entry by typing: **DELETE:ALL** (CR)
11	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

```
?COMP:CKTO=ALM00013
  COMP:ITEM=           ALM00013/001
  COMP:ITEM=           ALM00013/002
  COMP:ITEM=           ALM00013/003
?SUBMIT
EST. COMPLETION: 10:10 EST
?*** RESULTS ARE READY ***
?BATRS*ALL
 1. COMP:CKTO=ALM00013
*** ORDER COMPLETED
------------------
    COMP:ITEM=          ALM00013/001
*** ITEM COMPLETED
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG   IMP=9   TPL=0   EML=   3.5   QC=+/-   2.0
  L400   : QCL=   2.0   QCU=   2.0
  L2800  : QCL=   2.0   QCU=   2.0
  CMESS  : QC=   31   CNOTCH: QC=   50
  ERL    : QCNE=   20   QCFE=    0
  SRL    : QCNE=   20   QCFE=    0
  ---TEST LINES---
  TRAN   : 105
  OPRL   : NON
  ---TEST RESULTS---
    TRAN     ANS    PRM=050029062070
    LEVEL-0     -3.5            -3.5
    CMESS        21              21
    CNOTCH       40              40
    L400      -19.5           -19.5
    L1000     -19.5           -19.5
    L2800     -19.5           -19.5
   OPRL      ANS    PRM=200029052930
    P
------------------
```

Fig. 58—Complete Specified Circuit Order (Sheet 1 of 2)

```
    COMP:ITEM=            ALM00013/002
*** ITEM COMPLETED
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-  2.0
  L400  : QCL=  2.0  QCU=  2.0
  L2800 : QCL=  2.0  QCU=  2.0
  CMESS : QC=  31  CNOTCH  QC=  50
  ERL   : QCNE=  20  QCFE=   0
  SRL   : QCNE=  20  QCFE=   0
  ---TEST LINES---
  TRAN  : 105
  BAL   : 105
  OPRL  : SYN
  ---TEST RESULTS---
    TRAN    ANS   PRM=05026009976
     LEVEL-0   -3.5          -3.5
     CMESS      21            21
     CNOTCH     40            40
     L400     -19.5         -19.5
     L1000    -19.5         -19.5
     L2800    -19.5         -19.5
     ERL        30            30
     SRL        30            30
     SRLH       30            30
    OPRL    ANS   PRM=21026002398
     P
-------------------
    COMP:ITEM=          ALM00013/003
*** ITEM COMPLETED
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-  2.0
  L400  : QCL=  2.0  QCU=  2.0
  L2800 : QCL=  2.0  QCU=  2.0
  CMESS : QC=  31  CNOTCH: QC=  50
  ERL   : QCNE=  20  QCFE=   0
  SRL   : QCNE=  20  QCFE=   0
  ---TEST LINES---
  TRAN  : 105
  BAL   : 105
  OPRL  : SYN
  ---TEST RESULTS---
    TRAN    ANS   PRM=05026109976
     LEVEL-0   -3.5          -3.5
     CMESS      21            21
     CNOTCH     40            40
     L400     -19.5         -19.5
     L1000    -19.5         -19.5
     L2800    -19.5         -19.5
     ERL        30            30
     SRL        30            30
     SRLH       30            30
    OPRL    ANS   PRM=21026102398
     P
-------------------
** END RESULTS **
?
```

Fig. 58—Complete Specified Circuit Order (Sheet 2 of 2)

PROCEDURE 49—COMPLETE SPECIFIED CIRCUIT ORDER WITH INDICATED PARAMETER CHANGES (INCLUDING TEST FAILURE OVERRIDE)

STEP	PROCEDURE
	Note: Sample printout with explanations is shown in Fig. 59.
1	Enter completion request by typing the following: **COMP:CKTO=***aaa,dddd* (CR) Where: *aaaa* is the circuit order number (18 characters, maximum). Multiple numbers may be entered if they are enclosed by parentheses; eg, (*aaa,aaa,aaa*) *dddd* is the command qualifier for revising test parameters and is formatted as follows: *field* or *field=value. See Tables M and O.*
2	Repeat Step 1 for each circuit order item associated with different circuit orders.
3	Obtain a list of entries by typing the following: **LIST** (CR)
4a	If the listing shows incorrect entries, delete the incorrect entries by typing the following: **DELETE:ALL** (CR) or **DELETE:***xx* Where: *xx* is the sequence number of the incorrect listing.
4b	Reenter the correct data by returning to Step 1 of this procedure.
5	If the listing shows correct entries, enter them into CAROT by typing the following: **SUBMIT** (CR) ***Requirement:*** CAROT responds with **EST. COMPLETION:** *time*
6	Obtain a setting of CAROT clock by typing the following: **DATE** (CR) ***Requirement:*** CAROT responds with date and time.

STEP	PROCEDURE
7	When task is completed, CAROT responds with the following: *****RESULTS ARE READY*****
8	Obtain a copy of results by typing the following: **BATRS:ALL** (CR) ***Requirement:*** Printout of test results is received.
9	Delete batch entry by typing the following: **DELETE:ALL** (CR)
10	Log off remote terminal at this time if no other tasks are to be performed by typing: **BYE** (CR)

```
?COMP:CKTO=ALM00014,OVER,DATE=06/10/82
  COMP:ITEM=           ALM00014/001
?SUBMIT
EST. COMPLETION: 10:17 EST
?*** RESULTS ARE READY ***
?BATRS:ALL
 1. COMP:CKTO=ALM00014,OVER,DATE=06/10/82
*** ORDER COMPLETED
------------------
    COMP:ITEM=           ALM00014/001
*** ITEM COMPLETED
 ROTL=SELMALMT87X0
  ---TEST PARAMETERS---
  TRAF=TG  IMP=9  TPL=0  EML=  3.5  QC=+/-  2.0
  L400  : QCL=  2.0  QCU=  2.0
  L2800 : QCL=  2.0  QCU=  2.0
  CMESS : QC=  31  CNOTCH: QC=  50
  ERL   : QCNE=  20  QCFE=   0
  SRL   : QCNE=  20  QCFE=   0
  ---TEST LINES---
  TRAN  : 105
  OPRL  : NON
  ---TEST RESULTS---
    TRAN    ANS   PRM=050029062070
     LEVEL-0   -3.5           -3.5
     CMESS      21             21
     CNOTCH     40             40
     L400     -19.5          -19.5
     L1000    -19.5          -19.5
     L2800    -19.5          -19.5
    OPRL    ANS   PRM=200029062930
     P
------------------
** END RESULTS **
?
```

Fig. 59—Complete Specified Circuit Order With Parameter Changes (Including Test Failure Override)

PROCEDURE 50—COMPLETE CAROT NONTESTABLE CIRCUIT ORDER ITEM

STEP	PROCEDURE

Note 1: Sample printout with explanations is shown in Fig. 60.

1 Enter completion request by typing the following:

COMP:ITEM=*aaaa/bbb* (CR)

Where: *aaaa* is the circuit order number (18 characters, maximum).

bbb is the circuit order item number (3 characters). Multiple numbers may be entered if they are enclosed by parentheses; eg, (*bbb,bbb,bbb*).

2 Repeat Step 1 for each circuit order item associated with different circuit orders.

3 Obtain a list of entries by typing the following:

LIST (CR)

4a If the listing shows incorrect entries, delete the incorrect entries by typing the following:

DELETE:ALL (CR)

or

DELETE:*xx* (CR)

Where: *xx* is the sequence number of the incorrect listing.

4b Reenter the correct data by returning to Step 1 of this procedure.

5 If the listing shows correct entries, enter them into CAROT by typing the following:

SUBMIT (CR)

Requirement: CAROT responds with **EST. COMPLETION:** *time*

6 Obtain a setting of CAROT clock by typing the following:

DATE (CR)

Requirement: CAROT responds with date and time.

STEP	PROCEDURE
7	Wait for the following completion of testing message: *****RESULTS ARE READY*****
8	Obtain a copy of test results by typing: **BATRS:ALL** (CR) ***Requirement:*** Terminal prints out test results.
9	Delete test entry by typing: **DELETE:ALL** (CR)
10	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

```
?COMP:ITEM=ALM000010/001
?SUBMIT
EST. COMPLETION: 10:20 EST
?*** RESULTS ARE READY ***
?BATRS*ALL
 1. COMP:ITEM=ALM000010/001
*** COMPLETED NO TESTING INVOLVED
------------------
** END RESULTS **
?
```

Fig. 60—Complete CAROT Nontestable Circuit Order Item

PROCEDURE 51—COMPLETE CAROT NONTESTABLE CIRCUIT ORDER

STEP	PROCEDURE

Note: Sample printout with explanations is shown in Fig. 61.

1 Enter completion request for nontestable circuit order by typing:

COMP:CKTO=*aaaa*

Where: *aaaa* represents the circuit order number (18 alphanumeric characters, maximum). Multiple numbers may be entered if the numbers are enclosed in parentheses; eg, (*aaaa,aaaa,aaaa*).

2 Repeat Step 1 for each nontestable circuit order to be completed.

3 Obtain list of entries for verification by typing:

LIST (CR)

Requirement: Complete listing of entries is printed out on terminal.

4 Correct any erroneous entry by typing:

DELETE:*xx*

Where: *xx* represents sequence number of erroneous entry as it appears in list.

5 Reenter data correctly as described in Step 1.

6 Indicate completion of entries to CAROT by typing:

SUBMIT (CR)

Requirement: CAROT responds with **EST. COMPLETION:** *time*

7 Wait for the following completion of testing message:

*****RESULTS ARE READY*****

8 Obtain a copy of test results by typing:

BATRS:ALL (CR)

Requirement: Terminal prints out test results.

STEP	PROCEDURE
9	Delete test entry by typing: **DELETE:ALL** (CR)
10	Log off remote terminal if no other tasks are to be performed by typing: **BYE** (CR)

```
?COMP:CKTO=LM000900
  COMP:ITEM=          ALM000900/003
  COMP:ITEM=          ALM000900/005
  COMP:ITEM=          ALM000900/007
?SUBMIT
EST. COMPLETION: 10:30 EST
?*** RESULTS ARE READY ***
?BATRS:ALL
 1. COMP:CKTO=ALM000900
*** ORDER COMPLETED
--------------------
    COMP:ITEM=        ALM000900/003
*** COMPLETED NO TESTING INVOLVED
--------------------
    COMP:ITEM=        ALM000900/005
*** COMPLETED NO TESTING INVOLVED
--------------------
    COMP:ITEM=        ALM000900/007
*** COMPLETED NO TESTING INVOLVED
--------------------
** END RESULTS **
?
```

Fig. 61—Complete CAROT Nontestable Circuit Order

PROCEDURE 52—REMOVE ENTRIES FROM TEMPORARY DAILY LIST

STEP	PROCEDURE
1a	Remove temporary daily list entry for a single trunk by typing the following: **RMTDL:TRK#=***xxxxx* (CR) or **RMTDL:TRK=***id* (CR) Where: *xxxxx* is the CAROT trunk number. *id* is the CLCI for the trunk.
1b	Remove temporary daily list entries for all trunks in a specified trunk group by typing the following: **RMTDL:TG#=***xxxxx* (CR) or **RMTDL:TG=***id* (CR) Where: *xxxxx* is the CAROT trunk number. id is the CLCI for the trunk group.
1c	Remove the temporary daily list entries for all trunks in a specified control office/ROTL combination by typing the following: **RMTDL:COFC;ROTL=***control office id; rotl id* (CR) Where: *id* is the CLLI for the control office and ROTL, respectively.
1d	Remove all temporary daily list entries in CAROT by typing the following: **RMTDL=ALL** (CR) ***Note:*** In order to use this command, the user must have system console capability.
2	Wait for the following response: **TOTOAL OF** *xxx* **ENTRIES REMOVED** or **NO ENTRIES FOUND TO REMOVE**
3	Log off at this time if no other requests are to be made by typing: **BYE** (CR)

PROCEDURE 53—ENTER NEW PROGRAM MODE

STEP	PROCEDURE
1	Enter new program mode or execute a program by typing the following: **RUN:** *xxxxx* or **MODE:** *xxxxx* Where: *xxxxx* is the program to receive control (eg, CONSOLE, EDIT, INTER, PHAS 1, REPRT, RPG, SELEC).
2	Interface with initiated program as required. When the new program mode or program has ended, control is returned and a **?** prompt is output.
3	Log off at this time if no other request are to be made by typing: **BYE** (CR)

PROCEDURE 54—LOGOFF PROCEDURE

STEP	PROCEDURE
1	Type: **BYE** (CR) ***Requirement:*** CAROT responds by terminating tone command and returning to on-hook condition.

7. GLOSSARY OF COMMANDS

7.01 The following is a general listing of commands used by the remote user in connection with job duties. Also included is typical symbols which may be encountered by the remote user.

ALL

All information, all items.

ANS

Answer.

AR

Audible ring.

BAL

Interrogator and demand test all balance measurements (ERL, SRL, and SRLH).

BATRS

Results request—specify either ALL or batch line number *(n)*.

BB

Broadband, interrogator call disposition.

BIW

Biweekly (schedule).

BREAK

Remote-user keyboard control function. Depressing key causes controller to stop sending a list or test results. The controller acknowledges same by printing ***BREAK***.

BRIEF

Brief command. Provides data display (without routine test results).

BUSY

Busy, 60 interruptions per minute; also busy line EOTT test.

BYE

Logout command, end interrogator mode.

CDE

Cancel disconnect entry EOTT test.

CKTO

Circuit order id.

CLLI

Common language location identification.

CLR

Interrogator command, clear data field.

CMESS

C-message weighted noise, near-end and far-end, interrogator and demand test.

CNOTCH

C-notch noise, interrogator and demand test.

COFC

Control office.

COMP

Complete command.

CONT?

Continuation line prompt when previous line ended in a comma.

CP

Continuity and polarity EOTT test.

CXNA

Centrex do not answer transfer EOTT command.

CXR

Centrex transfer EOTT test.

DA

Daily.

DATE

Date command.

DELETE

Delete command.

DIAL

Interrogator command to dial ROTLs and test lines.

DIR

Directory.

DISPLAY

Display command, used in regular and interrogator modes.

DP

Dial pulse.

DROP

Interrogator command, drop ROTL access.

EFOB

Equipment failure or blockage.

EOTT

Enhanced operational trunk test.

ERL

Echo return-loss test.

F

Interrogator ROTL trunk priming.

F1, F2, F3, F4

Interrogator ROTL trunk priming segmented.

FEBY

Far-end test line busy.

FL

Free line EOTT test.

FORMS

RTRES command, forms control.

GLA

Glare EOTT test.

GSALL

Interrogator and demand tests all gainslope measurements including L400, L1000, and L2800.

HELP

Help command.

H&D

High and dry.

IMP

Impedance.

INDX.COFC

Index data associated with control office.

INT?

Interrogator mode prompter.

INTER

Command for accessing interrogator mode.

ITEM

Circuit order item.

K

Interrogator, key pulse designation.

L400

Loss (−16 dBm) at 404 Hz, interrogator and demand test.

L1000

Loss (−16 dBm) at 1004 Hz, interrogator and demand test.

L2800

Loss (−16 dBm) at 2804 Hz, interrogator and demand test.

LEVEL

Power relative to 0 dBm, interrogator and demand test.

LFILE

List uses of system file.

LIST

List batch entries.

MNGS.COFC

Management summary associated with control office.

MODE

Mode command, for accessing other program modes.

MWT

1000-Hz tone.

NCHG

No change EOTT test.

NEBY

Near-end busy.

NOAS

No answer supervision.

N/D

No data received.

OFHOOK

Interrogator off-hook command.

ONHOOK

Interrogator on-hook command.

OPBY

Operational test equipment busy.

OPER

Operator communication command.

OPRL

Standard operational test.

OP/CH

Operational or charge EOTT test.

OTC

Overtime charge test EOTT test.

PASSWORD

Password change command.

PD

Interrogator command for setting preliminary digits.

PERR

Priming error.

PKTO

105-test line parking circuit time-out.

PORT

Interrogator—controller test port number.

PRM

Configured priming.

PTF

Pretrip failure.

RCFL

Interrogator—recycle failure.

RECYCLE

Interrogator ROTL recycle command.

RELEASE

Interrogator release command to ROTLs.

RERR

ROTL signaling format error.

RMTDL

Remove temporary daily list entries command.

RO

Reorder.

ROTL

Remote office test line.

ROTL.COFC

All ROTLs associated with control office.

RTALL

All return test line (EOTT) tests except OTC test.

RTRES

Routine results dispersal command.

RUBOUT

TTY control function causes controller to delete entire line.

RUN

Run command for executing other programs.

S

Interrogator—start digit, terminates ROTL—trunk priming.

SELFCHK

Interrogator responder self-check.

SEND

Send command to call back remote user with results.

SET

Interrogator command to input data items.

SPHT

Supervistory hit detected.

SRL

Singing return-loss test.

SRLH

Singing return-loss high test.

SUBMIT

Batch starting command.

TDL

Temporary daily list display command.

TEST

Test command, interrogator and regular modes.

TIC

Trunk identity check EOTT test.

TG

Trunk group identification.

TG#.

CAROT trunk group number.

TG.COFC

Trunk groups associated with control office.

TLA

Trunk location address.

TLT

Test line type.

TPL

Test pad loss, and demand test.

TPT

Test progress tone longer than expected (ROTL calls only).

TRK

Trunk identification.

TRK#

CAROT trunk number.

TRK.COFC

All trunks in control office.

TRO

Timed release originating end hold EOTT test.

TRT

Timed release terminating end hold EOTT test.

TSALL

Interrogator and demand, all transmission tests.

TSTT

Interrogator command for setting test type.

TT

Interrogator TOUCH-TONE telephone outpulse digits.

VA

Voice or voice announcement.

WAIT

Interrogator command far-end responder hold.

WE

Weekly schedule.

XMIT

Interrogator command, transmit data field.

*****

Asterisk. When typed as part of command, this symbol causes the controller to act on command immediately.

–

"Underscore" character (shift letter "oh"). Causes controller to delete a character; TTY control function.

?

Prompter symbol. Used by the controller to inform the user that controller is awaiting new instructions or reply.

[ ]

Pair of brackets. Indicates optional part to command (brackets not part of command).

(CR)

Carriage return. Enters user message and initiates controller action.

*** * * ***

Four asterisk symbols. Typed by remote user at beginning of logon process.