

NO. 3 ESS
OPERATIONAL TESTING
VOLUME TESTING WITH ITE-5956
(SCOATS)

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1. GENERAL INFORMATION

1.1 Purpose

1.11 The purpose of this section is to provide supplemental information for Section 660.41 which applies to the use of ITE-5956 (speed call originating and terminating test set - SCOATS).

1.2 Sequence

→ 1.21 This section should be used in conjunction with other 660 Series sections when volume testing is done using the ITE-5956.

2. TEST CONFIGURATION

2.1 Test Line Spread

2.11 The 12 Originating and 12 Terminating test lines which are needed for each ITE-5956 must be spread to provide as much network interaction as possible.

NOTE: One ITE-5956 is required for each 4 networks, however, when less than 4 networks are tested using an ITE-5956, 12 originating and 12 terminating lines must still be provided (see TMO-5956 for connection of test lines to 66E3-25 connecting block).

2.2 Originating Test Line Features

2.21 Originating test lines selected must be non-multiline hunt group, loop start lines and must have one-digit speed calling feature assigned.

2.22 TOUCH-TONE must not be assigned to lines that are to be used for dial pulse calling.

2.3 Speed Calling Digit Setting

2.31 Set 10 position DIP switch on each test line circuit card to selected speed calling digit.

NOTE: DIP switch numbering is from bottom up, switch CLOSED to the right. The two uppermost positions, 9 and 10, are left OPEN for dial pulse and CLOSED for TOUCH-TONE. Positions 1-4 sets the dial pulse digit and positions 5-8 sets the TOUCH-TONE digit. For instance, if the one-digit speed calling digit selected was 3 (dial pulse), the DIP switch would have positions 1 and 2 ON. For a 4 (TOUCH-TONE), positions 7, 9 and 10 would be ON.

2.32 Set up each originating line to dial the required terminating telephone number when the SCOATS test set dials the speed calling digit. This may be done via recent change procedures or by use of a telephone set temporarily connected to each originating test line.

3. TEST PROCEDURE

3.1 Checkout of Test Set

3.11 Prior to use, it is recommended that the ITE-5956 be checked out in accordance with TMO-5956 (Test Set Self-Check).

3.2 Test Set Startup

- 3.21 Put the RUN/HALT switches of each line circuit card in the RUN position.
- 3.22 Set the front panel RUN/HALT switch to HALT.
- 3.23 Set the front panel HOLD/NORMAL switch to NORMAL.
- 3.24 Push front panel RESET button.
- 3.25 Set the front panel RUN/HALT switch to RUN.
- NOTE: The test set line circuits will now access the available dial pulse or TOUCH-TONE receivers and as call originations become somewhat staggered, the ITE-5956 will complete approximately 3 intra-office calls per minute (about 21 seconds for dial pulse and 18 seconds for TOUCH-TONE).
- 3.26 Push front panel START button.
- 3.27 If staggered starting is desired, set RUN/HALT switch on line circuit cards to HALT - in Step 3.21 and proceed through Step 3.26.

3.28 On first line circuit card, put RUN/HALT switch in RUN position and push START button.

3.29 Repeat Step 3.28 for each line circuit in approximately 2 second intervals until all 12 line circuits are cycling.

3.3 Test Coordination

3.31 At completion of test, set the front panel RUN/HALT switch to HALT and wait for all calls in process to complete.

3.32 Record originations and terminations (as displayed on counters).

3.33 since during integrated volume testing each successful interoffice call consists of one outgoing call and one incoming call; the counter assigned to interoffice calls should be doubled. It is helpful to assign interoffice calls to one or more SCOATS Test Sets and intra-office calls assigned to other SCOATS Test Sets so all calls can be properly counted.

→ Arrows indicate new or changed information.

Manager, ESS Installation & Field Engineering
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Revisions. Correction to 1.21,
3.31, 3.32. Addition of 3.33.