

CONFERENCE CIRCUIT

TELETYPEWRITER SWITCHBOARD NO. 1

1. GENERAL

1.01 This section describes tests of the conference circuit in the teletypewriter switchboard No. 1. The tests are as follows:

(A) Busy Test

(B) Operation Test

1.02 This section is reissued to replace Provisional Section A281.802, to cover an operation test in place of a bias test and to cover minor changes. This section cancels Section A281.802.

1.03 Test (B) requires two persons, one located at the No. 15 test board and the other at the switchboard, usually an operator.

2. APPARATUS

2.01 No special testing apparatus is required.

3. METHOD

(A) Busy Test

3.01 Touch the tip of the calling plug of an idle cord circuit to the sleeve of the jack in the first branch of the conference circuit to be tested. If the circuit is idle, the busy test lamp of the position circuit should not light, in which case, insert the calling plug into the first jack.

3.02 With the tip of a calling plug of another idle cord circuit, touch the jack sleeve of the second branch of the conference circuit under test. The position busy test lamp should light.

3.03 Repeat the test in 3.02 on the jack of each successive branch of the conference circuit under test until every branch has been tested for a busy indication.

3.04 Remove the cord from the first jack, thus restoring the circuit to normal.

(B) Operation Test

3.05 At the No. 15 Test Board: Insert the plugs of the answering and calling cords of the cord transmission testing circuit into the ANS and CALL jacks, respectively, of the cord transmission testing trunk.

3.06 At the Switchboard: Determine that the conference circuit to be tested is idle as outlined in 3.01. If the circuit is idle, insert the calling plug of an idle cord circuit into the jack of the first branch of the conference circuit under test. Insert the answering plug of this same cord circuit into the A jack of the cord transmission testing trunk.

3.07 Connect the jack of the second branch of the conference circuit under test to the C jack of the cord transmission testing trunk, using an idle cord circuit.

3.08 At the No. 15 Test Board: The supervisory lamps associated with the answering and calling cords of the cord transmission test circuit should light. Operate the TTY SIGNALS and SEND ON ANS keys of the cord transmission test circuit. Note that the signals are transmitted satisfactorily.

3.09 Repeat 3.08 with the SEND ON CALL key operated so as to reverse the direction of transmission through the conference circuit.

3.10 Restore the TTY SIGNALS and the SEND ON CALL keys. Operate the RECALL key of the cord transmission test circuit.

Note: The operation of the RECALL key of the cord transmission test circuit at the test board will cause the flashing of the supervisory lamps of the cord circuits. This signal may be used at any time during the progress of the test to attract the attention of the person at the switchboard.

3.11 At the Switchboard: The supervisory lamps associated with the cords connected to the cord transmission testing trunk should flash. Upon the receipt of the recall signal, the person at the switchboard should remove the plug of the cord circuit from the jack of the second branch and insert the plug of the cord circuit into the jack of the next branch to be tested.

3.12 At the No. 15 Test Board: To test other branches of the conference circuit repeat 3.08 and 3.09 on all branches of the conference circuit.

3.13 Restore the TTY SIGNALS and the SEND ON CALL keys. Momentarily operate the DISC key of the cord transmission test circuit.

3.14 At the Switchboard: The supervisory lamps associated with the cords connected to the cord transmission testing trunk should light as an indication that the test has been completed. Upon the receipt of the disconnect signal, the plugs of the cord circuits should be removed from the A and C jacks of the cord transmission testing circuit. The cord supervisory lamps should be extinguished.

3.15 At the No. 15 Test Board: The supervisory lamps associated with the cord transmission testing circuit should be extinguished. Disconnect both cords of the cord transmission testing circuit from the cord transmission test trunk.

4. REPORTS

4.01 The required record of these tests should be entered on the proper form.