TOLL SUBSCRIBER LINES (OPEN LOOP)

TELETYPEWRITER SWITCHBOARDS NOS. 3 AND 3A

1. GENERAL

1.01 This section describes overall operation tests of the toll subscriber lines (open loop) associated with the teletypewriter switchboards Nos. 3 and 3A. The tests are as follows:

(A) Using Test Trunk Circuit SD-70149-01

(B) Using Test Trunk Circuit SD-70029-01 or SD-70041-01

1.02 Tests (A) and (B) require three persons, one at the testboard, one at the switchboard (usually an operator) and one at the subscriber station. These tests are ordinarily made in connection with a visit of an installer or repairman to the station.

1.03 In connection with test (B), the supervisory signals are received at the switchboard and therefore, a talking circuit between the switchboard and testboard should be established at the time this test is being made to check with the operator that the proper supervisory signals are received on the cord circuit.

2. APPARATUS

Test (A)

2.01 Test Trunk Circuit SD-70149-01.

Test (B)

2.02 Test Trunk Circuit SD-70029-01 or SD-70041-01.

3. METHOD

(A) Using Test Trunk Circuit SD-70149-01

3.01 Connections: Communicate with the switchboard operator and request that the plug of the test trunk circuit be inserted into the jack of the toll subscriber line to be tested.

3.02 The GUARD and SUPV lamps associated with the test trunk circuit at the testboard should light, indicating that the trunk is connected to the toll subscriber line. Connect the testboard teletypewriter to the TST jack of the test trunk circuit.

Note: Should a call be originated on the toll subscriber line which is under test, the SUPV lamp associated with the test trunk circuit will flash and may be extinguished by momentary operation of the RCL RST key of the test trunk circuit.

3.03 Ringing Test: Momentarily depress the RG key associated with the test trunk circuit.

3.04 Answer Test: After ringing the toll subscriber, and the station answers, the SUPV lamp associated with the test trunk should flash. Operate momentarily the RCL RST key of the test trunk circuit. The SUPV lamp should be extinguished.

3.05 Communication Test: With the testboard teletypewriter connected to the TST jack of the test trunk circuit communicate with the station and indicate that this is a test call. At this point such tests can be conducted as are necessary to check the equipment at the station. If orientation tests are to be made with the station, they should be made at this time.

3.06 Station Recall Test: Request the person at the station to send a recall signal. The SUPV lamp associated with the test trunk circuit should flash. Operate momentarily the RCL RST key of the test trunk circuit. The SUPV lamp should be extinguished.

3.07 Station Disconnect Test: Request the person at the station to send a disconnect signal and then to originate a call after a wait of a few seconds. The SUPV lamp associated with the test trunk circuit should light when the person at the station has disconnected and should flash when the new call is originated. Operate momentarily the RCL RST key of the test trunk circuit. The SUPV lamp should be extinguished.

3.08 Disconnection: Advise the person at the station to disconnect. Then communicate with the switchboard operator and request that the plug of the test trunk circuit be removed from the jack of the toll subscriber line under test. The GUARD lamp associated with the test trunk circuit at the testboard should be extinguished. The SUPV lamp will flash and should be extinguished by the momentary operation of the RCL RST key.

3.09 Disconnect the testboard teletypewriter from the TST jack associated with the test trunk circuit.

(B) Using Test Trunk Circuit SD-70029-01 or SD-70041-01

3.10 Connections: Communicate with the switchboard operator over the testing and two-way trunk circuit and request that the toll subscriber line circuit to be tested be connected to the testing and two-way trunk circuit. Request the operator to ring the station.

3.11 Transmitting Teletypewriter Signals: When the station answers the call, signals should be received on the testboard teletypewriter. Operate the testboard teletypewriter in acknowledgment of the signals and indicate that this is a test call. At this point such tests can be conducted as are necessary to check the equipment at the station. If orientation tests are to be made with the station, they should be made at this time.

3.12 Receiving a Recall Signal: Request the station to send a recall signal. Communicate with the operator and verify that the cord circuit supervisory lamp at the switchboard flashes, indicating the proper receipt of the recall signal. Advise the operator to momentarily operate the typing key or the recall release key to extinguish the cord supervisory lamp.

3.13 Receiving a Disconnect Signal: Request the station to send a disconnect signal and then to originate a call after a wait of a few seconds. Communicate with the operator and verify that the cord circuit supervisory lamp at the switchboard lights, indicating the proper receipt of the disconnect signal. Advise the operator to disconnect from the jack of the toll subscriber line under test.

3.14 Receiving a Calling Signal: The line lamp of the toll subscriber line under test should light when the station calls back. Verify with the operator that the proper calling signal is received and request that the toll subscriber line under test be reconnected to the testing and two-way trunk circuit.

3.15 Disconnection: Advise the station to disconnect and advise the operator to disconnect from the toll subscriber line under test when the disconnect signal is received. Disconnect the testboard teletypewriter from the testing and two-way trunk circuit.

4. REPORTS

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