

TOLL SUBSCRIBER LINE RELAY TEST
TELETYPEWRITER LINE CONCENTRATING UNIT NO. 101A

1. GENERAL

1.01 This section describes a method of testing the relay equipment associated with a 128C2 type of toll subscriber line circuit (TLX) provided in connection with a teletypewriter line concentrating unit No. 101A.

1.02 In making patches at the concentrating unit equipment bay it is desirable in the interest of avoiding "hits" and other objectionable circuit conditions that patches be put up in the following sequence and taken down in the reverse order:

1. Test Circuit
2. Practice Circuit
3. Trunk Circuit
4. Subscriber Line Circuit

2. APPARATUS

- 2.01 Test Circuit SD-70295-01.
- 2.02 One 6PLA cord (Two P3E Cords equipped at each end with a No. 247A plug).
- 2.03 One 2PLD cord (One P2A cord equipped at each end with a No. 347A plug).

3. METHOD

3.01 At the telegraph line position, connect the TGL jack of the telegraph line circuit associated with the TLX circuit to be tested to the 101A TLX TST jack of the test circuit, using a 2PLD cord.

Note: Should a call be originated on the TLX circuit which is under test the TOLL SUB ON lamp associated with the test circuit will light.

3.02 Connect the A and B jacks of the subscriber line relay circuit associated with the TLX circuit under test to the TST A and B jacks of the test circuit, using a

6PLA cord. Connect first to the test circuit and then to the line circuit.

3.03 With the teletypewriter connected to the TTY BIAS, TTY SEND and TTY REC jacks of the test circuit, operate the SUB ANS key associated with the test circuit.

3.04 Ring Test: Momentarily depress the SUB RING key of the test circuit. The TOLL SUB CALL lamp associated with the test circuit should light while the SUB RING key is depressed.

3.05 Calling Signal Test: Operate the TOLL SUB ON key. The SUB ANS lamp of the test circuit should light, indicating a call from the TLX under test.

3.06 Communication Test: Operate the TOLL SUB M-S key. The SUB ANS lamp should remain lighted. Release the TOLL SUB M-S key and hold operated the TOLL SUB SIG key. The SUB ANS lamp should remain lighted. Miscellaneous signals should be received on the teletypewriter associated with the test circuit. Restore the TOLL SUB SIG key. The SUB ANS lamp should remain lighted.

3.07 Disconnect Signal Test: Release the TOLL SUB ON key. The SUB ANS lamp should be extinguished.

3.08 Disconnection: Remove the cord at the telegraph line position. Remove the cord from the TST A and B jacks of the test circuit and from the A and B jacks of the associated TLX, removing the plug from the line circuit first. Restore all keys of the test circuit to normal.

4. REPORTS

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

Bell Telephone Laboratories, Inc.