

TRUNKS TO COMMUNITY DIAL OFFICES

OPERATION TESTS

NO. 1 TOLL SWITCHBOARD

1. GENERAL

1.01 This section describes operation tests of operator office trunks to community dial offices from the No. 1 toll switchboard.

1.02 The tests and features tested are:

- (A) Tests to Multiple Test Line: This test checks ringing, supervision and continuity of the operator office trunk.
- (B) Manual Test without Multiple Test Line: The features tested are ringing, supervision and a talking test to assistant in CDO.
- (C) Test - Loop Back Method: This test checks the supervision and makes a talking test of operator office trunk. This test can only be made to link type CDO or non-link type which has the zero level of incoming selectors multiplied to the zero level of the local selector.
- (D) Sleeve Busy Test: This test checks that the trunk, when accessible to dial equipment, tests busy at the toll switchboard when made busy at the step-by-step, No. 4 toll or

No. 5 crossbar dial equipment when it is located in the same building with the No. 1 toll switchboard.

1.03 An assistant will be required at CDO for test (B). Test (D) requires the services of an assistant at the selector bay in the step-by-step offices, automatic outgoing toll connecting trunk test frame in a No. 4 toll office or the master frame in a No. 5 crossbar office.

1.04 Lettered Steps: The letters a, b, c are added to a step number to indicate that the steps cover an action which may or may not be required, depending on local conditions. The conditions under which a lettered step or series of steps should be made are given in the action column, and all steps governed by the same condition are designated by the same letter. Where a condition does not apply, the associated steps should be omitted.

2. APPARATUS

- 2.01 Operator's Telephone Set (All Tests).
- 2.02 A No. 893 Cord 6 feet long equipped with two No. 360A Tools (1W13B) and two KS-6278 Connecting Clips. (Test D)

3. PREPARATION

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
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Preparation for All Tests

- |   |  |   |
|---|--|---|
| 1 | Insert operator's telephone set in switchboard position jack.      |   |
| 2 | Operate talk key of an idle cord arranged for dial or key pulse.   |   |
| 3 | Select an idle trunk to be tested and insert cord into trunk jack. | Cord supervisory lamp lights.<br>Dial tone received from link type CDO when arranged for dial tone operation. |

Preparation for Tests (A), (B), (C)

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|---|--|--|
| 4 | Type A cord circuits: Operate position dial or KP key.<br>Other than type A cords: Operate monitor or split key as required to connect cord circuit to dial circuit. | Dial or KP lamp lights.<br>Sender lamp, if provided, lights. |
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4. METHOD

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
<u>(A) Test to Multiple Test Line</u>		
5	Dial or key pulse the connector multiple test line number in the CDO.	
6	Release the dial key or operate the ST key momentarily, if required.	Dial or KP and sender lamp extinguished. Ringing tone is heard. Ringing tone should trip within two ringing cycles, removing the ringing tone and extinguishing the cord supervisory lamp. The cord supervisory lamp flashes and test tone is heard. The rate of flashing will depend on the particular test line circuit.
7	Remove cord from trunk jack.	Cord supervisory lamp extinguished.
8	Make sleeve busy test.	Trunk tested idle.
<u>(B) Manual Test without Multiple Test Line</u>		
5	Dial or key pulse the office telephone at the CDO.	
6	Restore the dial key or operate the ST key if required.	Dial or KP and sender lamp extinguished and ringing tone is heard.
7	Assistant answers CDO telephone.	Ringing trips. Cord supervisory lamp extinguished.
8	Talk with assistant.	Satisfactory conversation.
9	Request assistant to operate switchhook several times and close talk key.	Cord supervisory lamp flashes with each operation of switchhook.
10	Operate talk key and request assistant to disconnect.	Cord supervisory lamp lights.
11	Remove cord from trunk jack.	Cord supervisory lamp extinguished.
12	Make sleeve busy test.	Trunk tested idle.
<u>(C) Test - Loop Back Method</u>		
5	Dial or key pulse zero.	
6	Restore the dial key or operate the ST key.	Dial or KP and sender lamp extinguished.
	<u>Note:</u> In some cases such as DC KP the sender will require a minimum number of digits. In this case key zero (0) and enough ones (1) to satisfy the sender.	The answering lamp of an incoming idle trunk from the CDO lights.
7	Operator answers incoming trunk.	Cord supervisory lamp extinguished.
8	Talk to the operator.	Satisfactory conversation.
9	Request operator to disconnect.	Cord supervisory lamp lights.
10	Remove cord from trunk jack.	Cord supervisory lamp extinguished.
11	Make sleeve busy test.	Trunk tested idle.

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
	<u>(D) Sleeve Busy Test</u>	
4a	If associated with No. 1 step-by-step office - At selector multiple terminal assembly - Connect ground to sleeve of trunk.	
5b	If associated with No. 4 toll office - At outgoing toll connecting trunk test frame. Operate MAN key; select trunk to be tested; operate ST key.	
6c	If associated with No. 5 crossbar office - At master test frame - Insert make busy plug into associated OGT-MB jack.	
7	Remove cord from trunk jack.	Cord supervisory lamp extinguished.
8	Make sleeve busy test.	Trunk tested busy.
9a	At selector multiple terminal assembly - Remove ground from trunk sleeve.	
10b	At outgoing toll connecting trunk test frame - Restore ST key, operate MA key momentarily, operate and restore RN key.	
11c	At master test frame - Remove make busy plug from OGT-MB jack.	
12	Make sleeve busy test.	Trunk tests idle.
13	Remove telephone set from jack.	