

INCOMING TRUNKS

TESTS USING MANUAL OUTGOING TRUNK TEST CIRCUIT SD-95476-01

NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section is reissued to (1) include information for the testing of Phase II and Phase III centrex transfer features where provided and (2) make minor changes as required. Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

1.02 The tests covered are:

	PAGE
<i>A. Test Line Test—Revertive Pulse Trunks:</i> This test checks the return of supervision from the incoming trunk.	2
<i>B. Test Line Test—Multifrequency Trunks:</i> This test checks the return of supervision from the incoming trunk.	4
<i>C. Test Line Test—Dial Pulse Trunks:</i> This test checks the return of supervision from the incoming trunk.	5

1.03 All tests described in this section are controlled by the 32A test set from the trunk relay rack frame. If desired, tests can be controlled at the manual outgoing trunk test frame by substituting the ADV and DISC1 keys for the

white and red buttons, respectively, of the 32A test set.

1.04 *Lettered Steps:* A letter a, b, c, etc, added to a step number in Parts 3 and 4 of this section, indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

2. APPARATUS

- 2.01** One patching cord, P3E cord, 10 feet long, equipped with two 310 plugs (3P6F cord).
- 2.02** Head telephone set (headset) or equivalent.
- 2.03** 32A test set.
- 2.04** 322A (make-busy) plugs as required.
- 2.05** Manual outgoing trunk test circuit, SD-95476-01.

3. PREPARATION

STEP	ACTION	VERIFICATION
All Tests		
1	Make trunk busy at originating end.	
2a	If two or more BL jacks are provided — At manual trunk test frame — Insert 322A plug into jack associated with office under test.	

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STEP	ACTION	VERIFICATION
3b	If centrex features are not provided — Operate TH, H, T, U register keys, as required, for incoming trunk test line number.	
4c	If testing Phase II centrex trunks for listed directory number (LDN) transfer features — Operate TH, H, T, U register keys, as required, for incoming trunk test line number.	
5d	If testing Phase II centrex trunks for station transfer (TRF) features — Operate TH, H, T, U register keys, as required, for incoming trunk test line number.	
6e	If testing Phase III centrex trunks for LDN and TRF transfer features — Operate TH, H, T, U register keys, as required, for incoming trunk test line number.	
7f	If testing Phase II or III centrex trunks for don't answer transfer (DAT) features — Operate TH, H, T, U register keys, as required for incoming trunk test line number.	
8	Operate RC key.	
9g	If trunk has battery on the tip and ground on the ring when called subscriber receiver is "off hook" — Operate RS1 key.	

4. METHOD

STEP	ACTION	VERIFICATION
	A. Test Line Test—Revertive Pulse Trunks	
10	Operate RP key.	
11	Operate TRK COMP RES 900 key.	
12h	If a nonoperate current flow test on the A relay is desired — Operate ANO key.	
13	At trunk relay rack frame — Using P3E cord, connect T jack of trunk to TST jack.	
14	Connect 32A test set to RC1 jack.	

STEP	ACTION	VERIFICATION
15	Insert headset in TEL1 jack.	
16	Operate white button on 32A test set.	<p><i>Non-Centrex, Phase II Centrex-LDN, Phase II Centrex-TRF, or Phase III Centrex Features</i></p> <p>Connection completed to test line. SUPV lamp lighted. Audible ringing in receiver for at least one interval. SUPV lamp flashed at 60 ipm. After supervisory tests completed — SUPV lamp lighted.</p> <p>If testing Phase II centrex-LDN features — In 6.0 seconds after SUPV lamp lighted — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.</p> <p>If testing Phase II centrex-TRF features — In 6.0 seconds after SUPV lamp lighted — SUPV lamp extinguished for 0.5 seconds. After transfer is completed — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.</p> <p>If testing Phase III centrex features — In 6.0 seconds after SUPV lamp lighted — SUPV lamp extinguished for 0.5 seconds. After transfer is completed — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.</p> <p><i>Phase II or Phase III Centrex-DAT Features</i></p> <p>Connection completed to test line. SUPV lamp lighted. Audible ringing heard in receiver. After 15, 30, 45, or 60 seconds (consult office records) — Audible ringing silenced. After 6.0 seconds — SUPV lamp flashed at 60 ipm. After supervisory tests completed — SUPV lamp lighted. After 6.0 seconds — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.</p>
17	Operate red button on 32A test set.	SUPV lamp extinguished.
18i	<p>If testing Phase II centrex trunks — Repeat Steps 4c through 17 or 5d through 17 for the transfer feature of the trunks that has not been tested.</p>	

STEP	ACTION	VERIFICATION
19	Remove patching cord, headset, 32A test set, and any plug from BL jacks.	
20	Restore all test frame keys.	
21	Release trunk at originating end.	

B. Test Line Test—Multifrequency Trunks

10	Operate MF key.	
11h	If trunk requires delayed dial start signal — Operate DPL key.	
12	Operate TRK COMP RES-0 key.	
13	At trunk relay rack frame — Using P3E cord, connect T jack of trunk to TST jack.	
14	Connect 32A test set to RC1 jack.	
15	Insert headset into TEL1 jack.	
16	Operate white button on 32A test set.	

Non-Centrex, Phase II Centrex-LDN, Phase II Centrex-TRF, or Phase III Centrex Features

Connection completed to test line.
SUPV lamp lighted.
Audible ringing in receiver for at least one interval.
SUPV lamp flashed at 60 ipm.
After supervisory tests completed —
SUPV lamp lighted.

If testing Phase II centrex-LDN features —
In 6.0 seconds after SUPV lamp lighted —
SUPV lamp flashed at 60 ipm.
60-ipm tone heard.

If testing Phase II centrex-TRF features —
In 6.0 seconds after SUPV lamp lighted —
SUPV lamp extinguished for 0.5 seconds.
After transfer is completed —
SUPV lamp flashed at 60 ipm.
60-ipm tone heard.

If testing Phase III centrex features —
In 6.0 seconds after SUPV lamp lighted —
SUPV lamp extinguished for 0.5 seconds.

STEP	ACTION	VERIFICATION
		After transfer is completed — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.
		<i>Phase II or Phase III Centrex-DAT Features</i> Connection completed to test line. SUPV lamp lighted. Audible ringing heard in receiver. After 15, 30, 45, or 60 seconds (consult office records) — Audible ringing silenced. After 6.0 seconds — SUPV lamp flashed at 60 ipm. After supervisory tests completed — SUPV lamp lighted. After 6.0 seconds — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.
17	Operate red button on 32A test set.	SUPV lamp extinguished.
18i	If testing Phase II centrex trunks — Repeat Steps 4c through 17 or 5d through 17 for the transfer feature of the trunks that has not been tested.	
19	Remove patching cord, headset, 32A test set, and any plug from BL jacks.	
20	Restore all test frame keys.	
21	Release trunk at originating end.	

C. Test Line Test—Dial Pulse Trunks

10	Operate DP key.	
11	Operate TRK COMP RES 900 key.	
12h	If trunk requires delayed dial start signal — Operate DPL key.	
13i	If trunk is arranged for bylink operation — Operate LPD, S-GO, GO keys.	
14	At trunk relay rack frame — Using P3E cord, connect T jack of trunk to TST jack.	
15	Connect 32A test set to RC1 jack.	

STEP	ACTION	VERIFICATION
16	Insert headset in TEL1 jack.	
17	Operate white button on 32A test set.	<p><i>Non-Centrex, Phase II Centrex-LDN, Phase II Centrex-TRF, or Phase III Centrex Features</i> Connection completed to test line. SUPV lamp lighted. Audible ringing in receiver for at least one interval. SUPV lamp flashed at 60 ipm. After supervisory tests completed — SUPV lamp lighted.</p> <p>If testing Phase II centrex-LDN features — In 6.0 seconds after SUPV lamp lighted — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.</p> <p>If testing Phase II centrex-TRF features — In 6.0 seconds after SUPV lamp lighted — SUPV lamp extinguished for 0.5 seconds. After transfer is completed — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.</p> <p>If testing Phase III centrex features — In 6.0 seconds after SUPV lamp lighted — SUPV lamp extinguished for 0.5 seconds. After transfer is completed — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.</p> <p><i>Phase II or Phase III Centrex-DAT Features</i> Connection completed to test line. SUPV lamp lighted. Audible ringing heard in receiver. After 15, 30, 45, or 60 seconds (consult office records) — Audible ringing silenced. After 6.0 seconds — SUPV lamp flashed at 60 ipm. After supervisory tests completed — SUPV lamp lighted. After 6.0 seconds — SUPV lamp flashed at 60 ipm. 60-ipm tone heard.</p>
18	Operate red button on 32A test set.	SUPV lamp extinguished.
19j	If testing Phase II centrex trunks — Repeat Steps 4c through 18 or 5d through 18 for the transfer feature of the trunks that has not been tested.	

STEP	ACTION	VERIFICATION
20	Remove patching cord, headset, 32A test set, and any plug from BL jack.	
21	Restore all test frame keys.	
22	Release trunk at originating end.	

