TRAFFIC REGISTERS—PART 12
TESTS USING MASTER TEST FRAME
NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section is Part 12 of a series of sections that describe methods for testing traffic registers.

1.02 This section is reissued for the following reasons:

(a) To revise title

(b) To revise all tests to conform with Section 218-106-301

(c) To add lead designations to Tests A, N, and O

(d) To correct lead designation in Test M.

Since this reissue is a general revision, arrows ordinarily used to indicate changes have been omitted.

This reissue affects Equipment Test Lists.

1.03 The tests covered are:

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A. Peg Count Register for Intraoffice, Outgoing, Common Overflow, Coin or Noncoin Tone, or Intermarker Group Trunk Group (PC or IPC Lead): This test checks that the peg count register operates when a marker attempts to use the trunk group to complete a call. 7

B. Peg Count Register for Switchboard Position or Miscellaneous Desk (PC Lead) (Other Than "B" Position): This test checks that the peg count register operates when the associated position peg count key is operated. . 9

C. Group-Busy Register for "A" Switchboard Outgoing Trunks (PB Lead): This test checks that the group-busy register operates once when all trunks of the associated group are busy. 9

D. Overflow Register for IAO, IMG, Outgoing Trunks and Junctors (OF Lead): This test checks that the overflow register operates when a marker finds all trunks of the associated group busy. 10

E. Deleted:

F. Peg Count Register for Coin Zone Charge Condition (DR Lead): This test checks that the peg count register operates when the charge condition is set in a coin zone trunk. 11

G. Peg Count Register for Coin Zone Initial Call (PCI Lead): This test checks that the peg count register operates when an operator disconnects from an initial answer on a coin zone call. This register is provided only when the switchboard is located in the same building with the No. 5 crossbar equipment. . 12

H. Peg Count Register for Coin Zone Overtime Call (PCO Lead): This test checks that the peg count register operates when an operator completes monitoring on a coin zone call that has gone to overtime. This register is provided only when the switchboard is located in the same building with the No. 5 crossbar equipment. 12

I. Overflow Register for Coin Zone Initial Call or Overtime Call (OF

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Lead): This test checks that the overflow register operates when an initiated coin zone call finds all trunks from the concentrator to the switchboard busy. It also checks that the overflow register operates when a coin zone call that has gone to overtime finds all trunks from the concentrator to the switchboard busy. 13

J. Group-Busy Register for Coin Supervisory Circuits (GB Lead): This test checks that the group-busy register operates when all coin supervisory circuits in the associated group are busy. 14

K. Peg Count Register for Line Concentrator Identifier (PC Lead): This test checks that the peg count register operates when the line concentrator identifier for secretarial service seizes a trunk. 15

L. Group-Busy Register for Line Concentrator Identifier (PB Lead): This test checks that the group-busy register operates when the line concentrator identifier for secretarial service encounters an all-trunks-busy condition. 15

M. Peg Count Register for 4-Wire Operator Tandem Trunk Terminating Peg Count or Through Peg Count (PC, PCT Leads): This test checks that the peg count register operates when the trunk is connected to a customer line (PC lead) or to an intertoll trunk (PCT lead). 16

N. Peg Count Register for Local Overload Announcement Trunks (PB, PCA Leads): This test checks that the peg count register operates when a marker seizes a local overload announcement trunk. 17

O. Overflow Register for Local Overload Announcement Trunks (BA, PB Leads): This test checks that the overflow register operates when a marker finds all local overload announcement trunks busy. 17

P. Peg Count Register for Operator Junctor Calls (PC Lead): This test checks that the peg count register operates when the operator completes a call using the operator junctor circuit. 19

1.04 Table A indicates tests requiring actions and/or verifications at more than one location.

1.05 Test C requires that all outgoing trunks of a group be made busy.

1.06 Test J requires that all coin supervisory circuits be made busy.

1.07 Test L requires that all equipped trunks associated with a line concentrator identifier circuit be made busy.

1.08 ***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.

1.09 The manner of selecting some circuits and test conditions at the MTF and its associated circuits varies depending on the apparatus options furnished with these circuits. Therefore, where variable means of selection are provided, precise instructions for the selection of circuits and test conditions are not given. Precise instructions for the use of these variable means are given in Section 218-106-301.

1.10 Local instructions should be followed for recording and reporting any register operations caused by performing these tests.

1.11 The location statement, At MTF—, is used to refer to all apparatus located on the four basic bays of the MTF.

TABLE A

ACTIONS AND/OR VERIFICATIONS REQUIRED AT:	TEST															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Traffic register cabinet	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Master test frame (MTF)	√	—	—	√	√	√	√	√	—	—	—	—	—	√	√	—
Jack, lamp, and key circuit	√	—	—	√	√	√	√	√	√	—	—	—	—	√	√	—
Marker circuit	√	—	—	√	√	√	—	—	—	—	—	—	—	—	—	—
Traffic register circuit	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Switchboard or miscellaneous desk position	—	√	√	—	—	—	—	—	—	—	—	—	—	—	—	√
Coin supervisory circuit	—	—	—	—	—	—	—	—	—	√	—	—	—	—	—	—
Coin supervisory release circuit	—	—	—	—	—	—	—	—	—	√	—	—	—	—	—	—
19A testboard	—	—	—	—	—	—	—	—	—	—	—	—	√	—	—	—

√ As required.

2. APPARATUS

2.01 The apparatus required for each test is shown in Table B. The details of each item are covered in the paragraph indicated by the number in parentheses. In addition, the following apparatus may also be required.

(a) Apparatus covered in 2.10 and 2.11 is required when a portable test lamp is used to determine register operation.

(b) Two head telephone sets are required when a portable test lamp is not used.

(c) 32A test set is required when the master test frame is controlled from a remote point.

(d) Two 26 cords are required in offices where it is necessary to patch the traffic register to the circuit under test and to patch the traffic register to a battery supply.

2.02 Master test control circuit SD-25800-01.

2.03 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord), one KS-6278 tool, one 419A (test connector) tool (for use in connecting battery or ground to springs of nonwire-spring-relays), and one 639A (relay contact connector) tool (for use in connecting battery or ground to springs of wire-spring-relays).

2.04 651D tool is required to replace removable cover on wire-spring-relays when connection is made to the springs.

2.05 Test receiver, 716E receiver (or replaced 528 receiver) attached to a W2AB cord, equipped with two 360A tools (2W21A cord), one KS-6278 tool, and one 411A (test pick) tool (for use in checking for the presence or absence of battery or ground).

2.06 322A (make-busy) plug has an insulated tip and a common ring and sleeve (used with 92- or similar type jacks).

2.07 349A (make-busy) plug is a solid brass plug.

2.08 Trunk test circuit SD-25918-01.

2.09 19A testboard.

2.10 Testing cords, two W2W cords, 10 feet long, each equipped with a 310 plug and two 360-type tools (2W17C cords), two KS-6278

TABLE B

APPARATUS	TEST											
	A	B	D	E	F	G,H	I	J	M	N	O	P
Test circuit (2.02)	1	—	1	1	1	—	—	—	—	1	1	—
Cord (2.03)	1	—	1	1	—	—	—	—	—	—	—	—
651D tool (2.04)	—	—	1	—	—	—	—	—	—	—	—	—
Test receiver (2.05)	—	1	—	—	—	—	—	—	—	—	—	—
322A (make-busy) plug (2.06)	1	—	1	1	1	1	1	—	—	—	—	—
349A (Make-busy) plug (2.07)	—	—	—	1	—	—	—	—	—	—	—	—
Test circuit (2.08)	—	—	—	—	1	—	—	—	1	—	—	—
19A testboard (2.09)	—	—	—	—	—	—	—	—	1	—	—	—
Tools (2.12)	√	√	√	√	√	—	√	√	—	—	—	—
Head telephone set	—	—	—	—	—	—	—	—	—	—	—	√

√ As required.

tools, and two 108 cord tips (required when a portable test lamp is used).

2.11 38B lamp socket, equipped with a 2Y lamp (required when a portable test lamp is used).

2.12 Blocking and insulating tools as required. Use tools and apply as covered in Section 069-020-801.

3. PREPARATION

STEP	ACTION	VERIFICATION
All Tests		
1a	If traffic registers are arranged for patching— At traffic register cabinet— Insert cord tip of 26 patching cord into P_ jack for circuit associated with register to be tested.	
2a	Insert cord tip on other end of 26 patching cord into black jack associated with register to be tested (black jack is located on mounting plate with register).	
3a	Insert cord tip of 26 cord into red jack on mounting plate with register to be tested.	
4a	Insert cord tip on other end of 26 cord into S_ jack located at bottom of jack field.	

STEP	ACTION	VERIFICATION
5b	If traffic registers are arranged for patching and if battery supply for register to be tested is controlled by C toggle switch— At traffic register cabinet— If C toggle switch is in OFF position— Operate to ON position.	
6c	If traffic registers are not arranged for patching— Determine from local office records functional designation of peg count BAT key associated with register to be tested.	
7c	At traffic register frame— Operate BAT key associated with register to be tested.	
8d	If tests are to be performed without test lamp— Establish talking circuit between frames where test is to be performed and where observations are to be made.	
9e	If tests are to be performed with test lamp— At frame where action is to be taken— Insert plug of 2W17C cord, equipped with two KS-6278 tools, into SP jack of miscellaneous circuit.	
10e	Determine from circuit drawing of circuit associated with register to be tested, location of terminal on terminal strip at which common lead to traffic register circuit is connected.	
11e	Connect one lead of 2W17C cord to terminal determined in Step 10e.	
12e	Connect other lead of 2W17C cord to battery.	
13e	Connect leads of 38B lamp socket to leads of another 2W17C cord equipped with two KS-6278 tools.	
14e	Insert plug of this 2W17C cord into any appearance of selected SP jack of miscellaneous circuit near to position where test is to be performed.	
15e	Place test lamp so that it can be observed easily.	

STEP	ACTION	VERIFICATION
16f	If tests are performed with test lamp, and circuit associated with register to be tested removes ground from common lead to traffic register circuit to operate register— Observe test lamp when register operates.	Test lamp extinguished.
17g	If tests are performed with test lamp, and circuit associated with register to be tested applies ground to common lead to traffic register circuit to operate register— Observe test lamp when register operates.	Test lamp lighted.
18e	If tests are to be performed with test lamp— To observe scoring of register when using test lamp, proceed as follows: (a) For first observation of scoring of register, observe that test lamp indicates proper condition on common lead and that register scores as required. (b) For subsequent observations of scoring of same register, observe test lamp indications only. ***Note:*** When the register to be tested scores at timed intervals, the test lamp will not flash with the scoring of the register.	
Tests A, D Through H, N, O		
19	At MTF— Restore all keys and switches.	
20	Momentarily operate RL key.	All lamps extinguished.
Tests A, D		
21h	If multilevel preemption route is selected— Operate 4W key.	
22h	Select control digits as required for access to selected route.	
23	Select A through L digits as required to direct call to selected route.	
24i	If customer calls have access to trunks associated with register being tested— Select ORIG class of test.	
25i	Select OR class of call with translator indication for access to route selected.	

STEP	ACTION	VERIFICATION
26i	Select any line location.	
27i	Select class of service and rate treatment as required for access to route selected.	
28j	If customer calls do not have access to trunks associated with register being tested— Select INC class of call.	
29j	Select trunk link frame.	
30j	Select incoming class with translator indication for access to route selected.	
31j	Operate FS key.	
32	Select marker associated with register under test.	
33	Select route advance as required to direct call to selected route.	
34k	If trunks associated with register being tested are used for coin free route calls and initial charge is not made on coin lines— Operate CNR key.	
Tests F, G and H		
35	Select marker associated with register under test.	
36	Select OGT class of call.	
37	Select A through L digits as required to select route.	
38	Select coin class of service.	
39	Select route advance as required to direct call to selected route.	
40	Operate KY, TLK, CN keys.	
A. Peg Count Register for Intraoffice, Outgoing, Common Overflow, Coin or Noncoin Tone, or Intermarker Group Trunk Group (PC or IPC Leads)		
35	At jack, lamp, and key circuit— Insert make-busy plug into M_MB or M_C_MB jack of combined or completing marker associated with register being tested.	

STEP	ACTION	VERIFICATION
36l	If MT18 relay is provided— At marker frame— Block nonoperated MT18 relay.	
37m	If testing nonwire-spring-relay type markers and MT18 relay is not provided— Ground 4T of MT13 relay.	
38	Momentarily operate ST key.	At traffic register cabinet— Register scored once.
39	At MTF— Momentarily operate RL key.	All lamps extinguished.
40	At marker frame— Remove blocking tool from MT18 relay or ground from MT13 relay.	
41n	If marker is nonwire-spring-relay type— Ground 6B of MT13 relay.	
42o	If marker is wire-spring-relay type— Ground 5F of MT13 relay.	
43	Select next higher numbered route advance.	
44	Momentarily operate ST key.	At traffic register cabinet— Register scored once.
45	At MTF— Momentarily operate RL key.	All lamps extinguished.
46	At marker frame— Remove ground from MT13 relay.	
47	At MTF— Momentarily operate ST key.	At traffic register cabinet— Register did not score.
48	At MTF— Momentarily operate RL key.	All lamps extinguished.
49	At jack, lamp, and key circuit— Remove plug from M_MB or M_C_MB jack.	
50	Repeat Steps 23i through 49 for each marker.	
51	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
52	At MTF— Restore all key and switches.	

STEP	ACTION	VERIFICATION
	B. Peg Count Register for Switchboard Position or Miscellaneous Desk (PC Lead) (Other Than "B" Position)	
19	At toll switchboard, "A" switchboard, or miscellaneous desk position— Momentarily operate peg count key.	At traffic register cabinet— Register scored once.
20h	If register is arranged for peg count checking— At traffic register rack frame— When all A relays are nonoperated— Check for absence of ground on 1B of A relay associated with register being tested.	Ground not present on 1B of A relay associated with register being tested.
21h	Block operated associated A relay— Check for battery on 2T, ground on 1B of A relay.	Battery on 2T of A relay. Ground on 1B of A relay.
22h	Remove blocking tool from A relay.	
23	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
	C. Group-Busy Register for "A" Switchboard Outgoing Trunks (PB Lead)	
19	Determine from office records, trunk numbers of trunks in group associated with group-busy register being tested.	
20	At switchboard— For trunks determined in Step 19— Insert plugs of answering cords into trunk jacks, or patch trunk jacks to make-busy jacks. ***Caution: Do not hold all outgoing trunks of the group busy longer than necessary, as this may interfere with service.***	
21	Momentarily remove plug from one outgoing trunk jack.	At traffic register cabinet— Register scored once.
22	At switchboard— Repeat Step 21 for each outgoing trunk in group.	
23	Remove all plugs from outgoing trunk jacks.	
24	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	

STEP	ACTION	VERIFICATION
D.	**Overflow Register for Outgoing Trunks (OF Lead From Route Relay)**	
35l	If register being tested is associated with call indicator trunk group— At traffic register cabinet— Insulate 2T of SO relay associated with register being tested.	
36l	Depending upon type of FO relay provided— Insulate FO relay as follows: U1367—2T U1344—4B	
37	At jack, lamp, and key circuit— Insert make-busy plug into M_MB or M_C_MB jack of combined or completing marker associated with register being tested.	
38m	If marker is nonwire-spring-relay type— At marker frame— Ground 8B of MT13 relay.	
39n	If marker is wire-spring-relay type— At marker frame— Ground 6F of MT13 relay.	
40	Select route advance corresponding to one more than number of route advances required to use associated trunk group.	
41	Momentarily operate ST key.	At traffic register cabinet— Register scored once.
42	At MTF— Momentarily operate RL key.	All lamps extinguished.
43	At marker frame— Remove test connection from MT13 relay.	
44	At MTF— Momentarily operate ST key.	At traffic register cabinet— Register did not score.
45	At MTF— Momentarily operate RL key.	All lamps extinguished.
46	At jack, lamp, and key circuit— Remove plug from M_MB or M_C_MB jack.	
47	Repeat Steps 23i through 46 for each marker.	

STEP	ACTION	VERIFICATION
48l	If register being tested is associated with call indicator trunk group— At traffic register cabinet— Remove insulators from SO, FO relays.	
49	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
50	At MTF— Restore all keys and switches.	

F. Peg Count Register for Coin Zone Charge Condition (DR Lead)

41	At jack, lamp, and key circuit— Insert make-busy plug into M_MB or M_C_MB jack of combined or completing marker associated with register being tested.	
42l	If MT18 relay is provided— At marker frame— Block nonoperated MT18 relay.	
43m	If MT18 relay is not provided— At marker frame— Ground 4T of MT13 relay.	
44	Momentarily operate ST key.	At traffic register cabinet— Register scored once.
45	At MTF— Momentarily operate RL key.	All lamps extinguished.
46	At marker frame— Remove blocking tool from MT18 relay or ground from MT13 relay.	
47	At jack, lamp, and key circuit— Remove plug from M_MB or M_C_MB jack.	
48	Repeat Steps 33 through 47 for each marker.	
49	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
50	At MTF— Restore all keys and switches.	

STEP	ACTION	VERIFICATION
G. Peg Count Register for Coin Zone Initial Call (PCI Lead)		
41	Select coin zone trunk or junctor.	
42	Operate FS, TS keys.	
43	Momentarily operate ST key.	OGT, DIS1, LK2, MRL, AS lamps lighted. Operator connected.
44	Inform operator that test call is in progress and request operator to remove answering cord from jack.	At traffic register cabinet— Register scored once.
45	At MTF— Momentarily operate RL key.	All lamps extinguished.
46	Repeat Steps 33 through 45 for each coin zone trunk or junctor associated with register being tested.	
47	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
48	At MTF— Restore all keys and switches.	
H. Peg Count Register for Coin Zone Overtime Call (PCO Lead)		
41	Select coin zone trunk or junctor.	
42	Operate FS, TS keys.	
43	Momentarily operate ST key.	OGT, DIS1, LK2, MRL, AS lamps lighted. Operator connected.
44	Inform operator that test call is in progress and request operator to remove answering cord from jack.	
45	Momentarily restore CN key.	OGT-CS lamp lighted. High tone heard.
46	Operate ANS key.	OGT-CS lamp extinguished. High tone not heard. Operator requests overtime deposit.
47	When call has progressed into over-time period— Restore ANS key.	At traffic register cabinet— Register scored once.

STEP	ACTION	VERIFICATION
48	Inform operator that test call is in progress and request operator to disconnect.	All lamps extinguished.
49	At MTF— Momentarily operate RL key.	
50	Repeat Steps 33 through 49 for each coin zone trunk or junctor associated with register being tested.	
51	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
52	At MTF— Restore all keys and switches.	

I. Overflow Register for Coin Zone Initial Call or Overtime Call (OF Lead)

19	At jack, lamp, and key circuit— Insert make-busy plug into OGT-MB jack of coin zone trunk or junctor associated with register being tested.	
20	At frame on which coin zone trunk or junctor is located— Check that D relay is operated.	
21	Block operated F relay.	
22	Momentarily operate TB relay manually.	At traffic register cabinet— Register scored once.
23	At frame on which coin zone trunk or junctor is located— Remove blocking tool from F relay.	
24	Block operated TB relay.	
25	Manually operate OTM relay.	OTM relay locked operated. OT relay operated. At traffic register cabinet— Register scored once.
26	At frame on which coin zone trunk or junctor is located— Momentarily operate CT relay manually.	OTM, OT relays released.
27	Remove blocking tool from TB relay.	

STEP	ACTION	VERIFICATION
28	At jack, lamp, and key circuit— Remove plug from OGT-MB jack.	
29	Repeat Steps 19 through 28 for each coin zone trunk or junctor associated with register being tested.	
30	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	

J. Group-Busy Register for Coin Supervisory Circuits (GB Lead)

Registers Associated with Coin Supervisory Circuit

19h	If CB1 coin supervisory group-busy relay is provided— At traffic register frame— Block nonoperated CB1 relay associated with register being tested.	
20h	At relay rack— Operate MB keys of all coin supervisory circuits in coin supervisory link group associated with register being tested. ***Caution: This test should be performed as rapidly as possible, since no coin calls can be disposed of while all coin supervisory circuits are busy.***	Common MB lamp lighted.
21h	Momentarily restore each MB key in sequence.	At traffic register cabinet— Register scored once for each MB key.
22h	At relay rack— Restore all MB keys operated in Step 20.	Common MB lamp extinguished.
23i	If CR1 coin supervisory group-busy relay is provided— At traffic register frame— Remove blocking tool from CB1 relay.	
24i	At coin supervisory release circuit associated with register being tested— Momentarily operate CB relay manually.	At MTF— CS-AB lamp lighted. Minor alarm received.
25i	Momentarily operate TR-AR key.	CS-AB lamp extinguished. Minor alarm silenced.

STEP	ACTION	VERIFICATION
26i	At coin supervisory release circuit associated with register being tested— Insulate 7T, 5B, 7B, 9B of CB relay.	
27i	Momentarily operate CB relay.	At traffic register cabinet— Register scored once.
28i	At coin supervisory release circuit associated with register being tested— Remove all insulators from CB relay.	
29	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	

K. Peg Count Register for Line Concentrator Identifier (PC Lead)

19	At frame on which line concentrator identifier is located— Operate TB_ key associated with idle equipped trunk. ***Note:*** An idle trunk is indicated by an extinguished TK_ lamp.	
20	Restore TB_ key selected in Step 19.	At traffic register cabinet— Register scored once.
21	At frame on which line concentrator identifier is located— Repeat Steps 19, 20 until each of TB_ keys associated with equipped trunks have been selected.	
22	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	

L. Group-Busy Register for Line Concentrator Identifier (PB Lead)

19	At frame on which line concentrator identifier is located— Operate TB_ keys associated with all equipped trunks. ***Caution: Do not hold all trunks busy longer than necessary, as this may interfere with traffic.***	At traffic register cabinet— Register scored once.

STEP	ACTION	VERIFICATION
20	At frame on which line concentrator identifier is located— Restore all keys.	
21	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
M	**Peg Count Register for 4-Wire Operator Tandem Trunk Terminating Peg Count or Through Peg Count (PC, PCT Leads)**	
19	At 19A testboard— Operate TALK, SEIZE keys.	
20	Insert TST cord plug into TST TRK jack associated with operator tandem trunk under test.	
21	Momentarily operate MF TST key.	MF, TST, S, cord lamps lighted.
22	Operate digit keys corresponding to directory number assigned to 4-wire terminating test line.	
23	Momentarily operate ST key.	MF, TST, S lamps extinguished. At traffic register cabinet— Register scored once.
24	At 19A testboard— Restore TALK, SEIZE keys.	
25	Disconnect TST cord.	Cord lamp extinguished.
26	Insert TST cord plug into TST TRK jack associated with same operator tandem trunk under test.	
27	Operate TALK, SEIZE keys.	
28	Momentarily operate MF TST key.	MF, TST, S, cord lamps lighted.
29	Operate digit keys corresponding to directory number assigned to 10X test line (simulated 4-wire outgoing trunk).	
30	Momentarily operate ST key.	MF, TST, S lamps extinguished. At traffic register cabinet— Register scored once.
31	At 19A testboard— Disconnect TST cord.	Cord lamp extinguished.

STEP	ACTION	VERIFICATION
32	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	

N. Peg Count Register For Local Overload Announcement Trunks (PB, PCA Leads)

21	At MTF— Operate OAN key to TST.	OAN lamp lighted.
22	Select line location having access to local overload announcement.	
23	Select route advance 1.	
24	Operate AN key.	
25	Select DT class of test.	
26	Select dial tone or combined marker.	
27	Momentarily operate ST key.	At traffic register cabinet— Register scored once.
28	At MTF— Momentarily operate RL key.	All lamps extinguished except OAN lamp.
29	Repeat Steps 26 through 28 for each dial tone or combined marker.	
30	Restore OAN key.	OAN lamp extinguished.
31	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
32	At MTF— Restore all keys and switches.	

O. Overflow Register for Local Overload Announcement Trunks (BA, PB Leads)

21	At relay rack— Operate MB switch to MB position for trunk equipped for testing local overload announcement.	
22	Operate MB switches to MB position for all other local overload announcement trunks on the same trunk link frame as test trunk.	
23	At jack, lamp, and key circuit— Operate OAN key to TST.	OAN lamp lighted.

STEP	ACTION	VERIFICATION
24	Select line location having access to local overload announcement.	
25	Select route advance 1.	
26	Operate FS key.	
27	Operate AN key.	
28	Select DT class of test.	
29	Select TLF.	
30	Select DT or combined marker.	
31	Insert make-busy plug into MMB or M_D_MB jack of marker used in test.	
32h	If testing with wire-spring dial tone marker— At marker— Connect ground to 10M of TBTA relay.	
33	At MTF— Momentarily operate ST key.	At traffic register cabinet— Register scored once.
34	At MTF— Momentarily operate RL key.	All lamps extinguished.
35h	If testing with wire-spring dial tone marker— At marker— Remove ground from 10M of TBTA relay.	
36	At MTF— Remove make-busy plug from MMB or M_D_MB jack of marker used in test.	
37	Repeat Steps 30 through 36 for each DT or combined marker.	
38	At relay rack— Restore MB switches operated in Steps 21, 22.	
39	At traffic register cabinet— Restore all keys and switches; remove all cords placed for test.	
40	At MTF— Restore all keys and switches.	
41	At jack, lamp, and key circuit— Restore OAN key.	OAN lamp extinguished.

STEP	ACTION	VERIFICATION
P.	**Peg Count Register for Operator Junctor Calls (PC Lead)**	
19	At switchboard— Insert plug of telephone set into position jacks.	
20	Operate TALK key of idle front cord.	
21	When trunk is idle— Insert front cord plug into trunk jack.	Front cord supervisory lamp lighted.
22	Momentarily operate front KP key.	
23	Key office code and number of incoming trunk test line in distant office.	
24	Momentarily operate ST key.	At traffic register cabinet— Register scored once.
25	At switchboard— Restore TALK key.	
26	Remove cord from trunk jack.	Supervisory lamp extinguished.
27h	If register being tested is associated with more than one trunk— Repeat Steps 19 through 26 for each trunk associated with register.	
28	Remove telephone set from position jacks.	