TRAFFIC REGISTERS
FOR
COIN SUPERVISORY CIRCUIT
TESTS USING MASTER TEST FRAME
NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section checks peg count registers (1) for combined number of starts to the recorded announcements or operator (MON lead), (2) for recorded announcement start (ANR lead), and (3) for number of times operator failed to answer after 2 to 4 minutes (NOA lead).

1.02 This issue affects Equipment Test Lists.

1.03 The test requires actions and verifications at the master test frame (MTF) and traffic register cabinet.

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

1.05 In Step 40, space is provided to enter the number of minutes which must elapse between the operation of the ANS key and subsequent actions of the coin supervisory circuit. In all cases, this interval is as established for the local area.

1.06 ***Lettered Steps:*** A letter a, b, c, etc, added to a step number in Part 3 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.

1.07 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.

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

1.09 In offices equipped with more than one coin supervisory link group, the test IAO trunk, if provided, associated with the link group under test will be used.

2. APPARATUS

2.01 Master test control circuit SD-25800-01.

2.02 The following apparatus may also be required.

(a) Apparatus covered in 2.03 and 2.04 is required when a portable lamp is used to determine register operation.

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

(c) A 32A test set is required when the MTF 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.

2.03 Two W2W cords, 10 feet long, each equipped with a 310 plug and two 360-type tools (2W17C cords), two KS-6278 connecting clips, and two 108 cord tips (required when a portable test lamp is used).

2.04 38B lamp socket, equipped with a 2Y lamp (required when a portable test lamp is used).

3. METHOD

STEP	ACTION	VERIFICATION
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 any S-jack located at bottom of jack field.	
5b	If traffic registers are arranged for patching and battery supply for register to be tested is controlled by C-toggle switch, and switch is in OFF position— At traffic register cabinet— Set C- toggle switch to ON.	
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 cabinet— Operate BAT key associated with register to be tested.	
8d	If tests are to be performed without portable 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 portable lamp— At frame where action is to be taken— Insert plug of 2W17C cord, equipped with	

STEP	ACTION	VERIFICATION
	two KS-6278 connecting clips, 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 on terminal strip 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 connecting clips.	
14e	Insert plug of this 2W17C cord into any appearance of selected SP jack of miscellaneous circuit close to position where test is to be performed.	
15e	Place lamp so that it can be easily observed.	
16f	If tests are performed with portable lamp and if circuit associated with register to be tested removes ground from common lead to traffic register circuit to operate register— Observe lamp when register operates.	Lamp extinguished.
17g	If tests are performed with portable lamp and if circuit associated with register to be tested applies ground to common lead to traffic register circuit to operate register— Observe lamp when register operates.	Lamp lighted.
18e	If tests are to be performed with portable 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 lamp indications only.	
19	At MTF— Restore all keys and switches.	

STEP	ACTION	VERIFICATION
20	Momentarily operate RL key.	All lamps extinguished.
21h	If test IAO trunk is not provided— Determine from office records an IAO trunk arranged for coin service which has access to the coin supervisory link group under test.	
22i	If test IAO trunk is provided— Determine from office records test IAO trunk having access to the coin supervisory link group under test.	
23i	Insert make-busy plug into MB- jack associated with selected test IAO trunk.	MB lamp associated with test IAO trunk lighted when trunk is available for use in testing.
24	Select completing marker.	
25	Select originating class of call and associated translator indication.	
26	Select coin class of service and rate treatment as required.	
27	Select IAO class of test.	
28	Select route advance 0.	
29	Select ringing combination 1.	
30	Select A-, B-, C-, digits as required to route call to IAO trunk.	
31	Select trunk location of IAO trunk to be used for testing (21h or 22i).	
32	Operate GPA/GPB key as required when IAO trunk is in an allotted group.	
33	Operate NTFS, NTTS, TTL keys.	
34h	If test IAO trunk is not provided— At coin supervisory link— In horizontal group of selected IAO trunks— Block operated all RB relays ***not*** associated with coin supervisory circuit under test.	
35i	If test IAO trunk is provided— Set CSS switch to select coin supervisory circuit under test.	

STEP	ACTION	VERIFICATION
36	At coin supervisory circuit under test— Insulate 7 and 8b of TM1 relay.	
	Note: HOLD key must be normal.	
37	At MTF— Operate TLK, CN keys.	
38	Momentarily operate ST key.	IAO, AS, TS lamps lighted. R- lamp flashes. If test IAO trunk is provided— CSI lamp lighted.
39	Operate ANS key.	R- lamp extinguished. High tone heard.
40	Restore CN key. ***Start timing.***	If test IAO trunk is not provided— At end of initial timing period ( ) minutes— Register associated with MON lead operated. If test IAO trunk is provided— After 15 seconds— Register associated with MON lead operated. If recorded announcement is provided— Register associated with ANR lead operated.
41	If recorded announcement is provided— ***Start timing.***	After 2 to 4 minutes— Register associated with NOA lead operated.
42	Momentarily operate RL key.	All lamps extinguished.
43	Repeat Steps 34h through 42 for each equipped coin supervisory circuit.	
44	If test IAO trunk is provided— At MTF— Remove make-busy plug from MB- jack.	
45	Restore all keys and switches.	