

## INCOMING TRUNK FRAME ALARMS TESTS NO. 1 CROSSBAR OFFICES

### 1. GENERAL

**1.01** This section describes a method of testing the alarm circuits associated with incoming trunk frames in No. 1 crossbar offices.

**1.02** This section is reissued for the following reasons:

- (a) To remove Test B.
- (b) To convert Test A from paragraph to tabular format.

This reissue affects the Equipment Test List.

**1.03** The following test is covered:

**A. DX Alarm:** This test verifies that the alarm circuit will detect battery crosses on the A lead associated with each trunk group unit of twenty incoming trunk circuits. The DX alarm is provided for each incoming trunk frame (IT), auxiliary (AIT), and supplementary incoming trunk frame (SIT) servicing trunks using a timing circuit.

### 3. METHOD

STEP	ACTION	VERIFICATION
<b>A. DX Alarm</b>		
1	At IT, AIT, or SIT frame of alarm circuit to be tested— Select a trunk group unit and scan for trunk circuits in timing position.	
	<b>Note:</b> If trunk circuit is in timing position, the S or RS relay is operated and D or D1 relay is normal.	
2a	If any trunk circuit is in timing position— While the condition persists, do not proceed with test of this trunk group unit.	

### B. Deleted

**1.04** This test should preferably be performed during periods of light traffic.

**1.05 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.

### 2. APPARATUS

#### Test A

**2.01** 67C test set, equipped with one KS-6278 connecting clip. The 67C test set consists of a 509 receiver, a 15G headband, a 360A tool, a 360B tool, and a 518C tool assembled together with a W2CJ cord.

**SECTION 216-365-501**

<b>STEP</b>	<b>ACTION</b>	<b>VERIFICATION</b>
3b	If no trunk circuit is in timing position— Select from trunk group unit a convenient trunk circuit for use on test.	
4	At IT, AIT, or SIT frame of alarm circuit to be tested— Momentarily connect -48V battery through test receiver to contact spring of trunk supervisory relay (S relay 1T or RS relay 2T).	Within four seconds— DX lamp lighted. White aisle pilot and white main aisle pilot lamps lighted. Major alarm sounded.
5	Momentarily operate DX key associated with alarm.	DX lamp and aisle pilot lamps extinguished. Major alarm silenced.
6	Repeat Steps 1 through 5 for each of the remaining trunk group units on IT, AIT, or SIT frame to be tested.	