

NO. 3A ANNOUNCEMENT SYSTEM
TRUNK CIRCUITS
AND ASSOCIATED DISTRIBUTING CIRCUITS
TESTS

1. GENERAL

1.01 This section describes the tests to be made on the trunk and associated distributing circuits used with the No. 3A announcement system.

1.02 The tests described are:

- (A) Incoming Trunks From Manual Offices
- (B) Incoming Trunks From Panel, Panel Tandem and Crossbar Offices (Except Trunks For Use With Operator Class Code)
- (C) Incoming Trunks From Panel and Crossbar Offices (For Use With Operator Class Codes)
- (D) Incoming Trunks From Step-by-Step Offices

1.03 Test (A) should be made from the "A" switchboard, preferably from a different position each time the test is made. If the announcement trunks are reached by way of a manual tandem switchboard, the tests should be made at that board instead of at the A board. Tests (B and C) should be made from the OGT test position. Test (D) should be made from a selector having direct access to the trunks to be tested. A different selector should be used each time the test is performed so that all trunks will eventually be tested from all selectors.

1.04 When tests are conducted on a routine basis, they should preferably be made during the periods of light traffic to avoid interference with service.

2. APPARATUS

Test (A)

2.01 One operators telephone set.

Test (B and C)

2.02 One operators telephone set.

2.03 Test circuit per SD-21610-011 or equivalent.

2.04 One No. P3K cord equipped with a No. 110 plug at each end (required only with test circuit SD-21610-01) (3P15A).

Test (D)

2.05 One operators telephone set.

2.06 Test circuit per SD-90469-01 or equivalent.

2.07 One P3E cord equipped with a No. 110 plug at each end (3P15A).

2.08 One P3C cord equipped with a No. 110 plug at one end and a No. 240 plug at the other end (3P2A).

3. METHOD

(A) Incoming Trunks From Manual Offices

3.01 Insert the plug of the operators telephone set into the telephone jacks at the "A" position from which the test is to be made.

3.02 Operate the talking key of the associated calling cord to be used for the test and make a busy test of the trunk.

3.03 If the trunk is not busy, insert the plug into the trunk jack.

3.04 The calling cord supervisory lamp may light and an audible ringing signal may be heard. The period of audible ringing is often very short, depending on the time the plug is inserted in the jack.

3.05 Check that the weather report is heard.

3.06 Note that the cord supervisory lamp is extinguished. After 1 to 2 minutes the cord supervisory lamp should light as a disconnect signal and remain lighted until the plug is removed from the trunk jack.

3.07 Remove the plug of the calling cord from the jack.

(B) Incoming Trunks From Panel, Panel Tandem, and Crossbar Offices (Except Trunks For Use With Operator Class Code)

3.08 Insert the plug of the operators telephone set into the telephone jacks of the OGT test position from which the test is to be made.

3.09 Insert the plug of the No. P3F cord into the T1 jack of the test circuit and into the test jack of the trunk to be tested (or insert the plug of the test cord of the test circuit which is arranged for sending pulses into the test jack of the trunk to be tested) and if the trunk is idle proceed as follows.

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3.10 Operate the VM key at the test position. The reading on the voltmeter indicates the presence of 48 volt battery. Momentarily operate the T key. The reading should indicate the cut-off of the 48 volt battery and after 5 to 12 seconds should again indicate the presence of 48 volt battery. Restore the VM key to normal.

3.11 Set up a PCI class call.

3.12 Check that the weather report is heard. Note that the Sl or (SUP) lamp is extinguished and remains out. After a period of from 1 to 2 minutes the Sl (SUP) lamp should light again and remain lighted until disconnected.

3.13 Disconnect from the trunk in the regular manner.

(C) Incoming Trunks From Panel and Crossbar Offices (For Use With Operator Class Code)

3.14 Insert the plug of the operators telephone set into the telephone jacks of the OGT test position from which the test is to be made.

3.15 Insert the plug of the No. P3F Cord into the T1 jack of the test circuit and into the test jack of the trunk to be tested and if the trunk is idle proceed as follows.

3.16 Operate the VM key at the test position. The reading on the voltmeter indicates the presence of 48 volt battery. Momentarily operate the T key. After not more than 2-1/2 seconds the reading should indicate the reversal of the trunk.

3.17 Check that the weather report is heard. Note that the SV lamp is extinguished. After a period of from 1 to 2 minutes the SV lamp should light and remain lighted until disconnected.

3.18 Disconnect from the trunk in the regular manner.

(D) Incoming Trunks From Step-by-Step Offices

3.19 Insert the operators telephone set into the TEL jacks of the test set.

3.20 Insert one plug of the P3E cord into the BAT,G jack of the test set and insert the plug at the other end of the cord into the battery supply jack at the frame.

3.21 Insert the No. 110 plug of the P3C cord into the T jack of the test set and insert the No. 240A plug at the other end of the cord into the test jack of the selector having access to the trunks under test.

3.22 Operate the DLST key and dial the number of the level on which the announcement trunks to be tested are terminated. The selector should step to the level dialed and rotate to the first idle trunk. Dial the remaining digits assigned for the weather announcement service code.

3.23 The audible ringing signal may be heard in the receiver when the selector cuts in and should be removed when the weather bureau report is heard.

3.24 Check that the weather report is heard. Note that the REV lamp remains lighted. After an interval of from 1 to 2 minutes, the REV lamp should be extinguished.

3.25 Remove the cover from the selector. Step the selector to the next idle trunk by momentarily opening and closing the vertical off-normal springs.

3.26 Repeat the tests outlined in 3.24. This sequence of operation should be followed until all trunks on the level have been tested.

3.27 Momentarily operate the FL key.

3.28 Remove all plugs and remount the selector cover.

4. REPORTS

4.01 The required record of these tests should be entered on the proper form.