INTRA-OFFICE METALLIC TRUNKS

INDIVIDUAL CIRCUIT TEST

1. DESCRIPTION

1.1 This section describes tests to be made on Intra-Office Metallic Trunks (BT-521138), using Master Test Control Circuit.

1.2 This test checks the ability of the trunk LS relay to operate on a maximum loop condition and provides a means of making transmission tests on IAO Metallic Trunk.

2. TEST EQUIPMENT

2.1 Two 3P3B Cords

12B transmission measuring set
1011G Handset
(equivalents may be used.)

3. TRUNK SELECTION

3.1 At the Master Test Frame, operate these Keys:

CT- and CU- (official class of service)
IXX and 2DT or 2DTO (tie line code and translation)
MISC (Class of Test)
MT- (Completing marker)
CRU (if needed)
FS- (trunk frame select)
TS- (trunk switch select)
NTFS (trunk frame test)
NTTS (trunk switch test)

(Consult office records for CT-, CU- and IXX code for the IAO trunk under test)

3.2 On the Trunk Test Circuit, operate the TLK key.

3.3 Operate and release ST key. The MRL, LK2 and DISI lamps should light.

3.4 On the Trunk Test Circuit, the AS Lamp should light and remain lighted.

4. TRANSMISSION TEST

4.1 Select an outgoing inter-office trunk on which a transmission loss measurement has been made. (Maximum 600 Ω loop)

1. Patch measure jack of TMS to TM jack on MTF.
2. Plug Handset into dial-jack of TMS.
3. On Outgoing Trunk Test panel patch TST jack No. 1 to selected outgoing trunk.
4. On TMS operate Dial key to Dial.
5. Operate Talk Key on Handset to Talk.
6. Operate ST key on MTF. Misc., LK2, and DISI lights should light.
7. On the Trunk Test Circuit the AS lamp should light and remain lighted.
8. On handset dial transmission on number for the office of the selected outgoing trunk.
9. Operate Dial key on TMS to measure. Read the loss on the meter.
10. Subtract the loss from the selected outgoing trunk from this reading. The result will be the loss of the Intra-Office Metallic Trunk. This reading should be .4DB ± .2DB.