

## INTERCEPTING TRUNKS

### 1. GENERAL

- 1.01 This section covers the detailed methods to be followed in making transmission tests on intercepting trunks in step-by-step offices.
- 1.02 Information covered in this section of practices is outlined in the following table:

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1.03 Reference should be made to Section K20.01 for general testing methods and to Section K20.11 for general testing apparatus requirements.

### 2. INTERCEPTING TRUNKS FROM LOCAL SELECTOR LEVELS FOR DIRECTORY ERRORS

2.01 The testing procedure for these circuits is the same as for "Special Service Trunks to Centralized 'A' Switchboards," the method for which is outlined in Section K23.50, paragraphs 2.01 to 2.24, inclusive.

### 3. INTERCEPTING TRUNKS FROM TOLL SELECTOR LEVELS

3.01 The testing procedure for these circuits is the same as for "Special Service Trunks

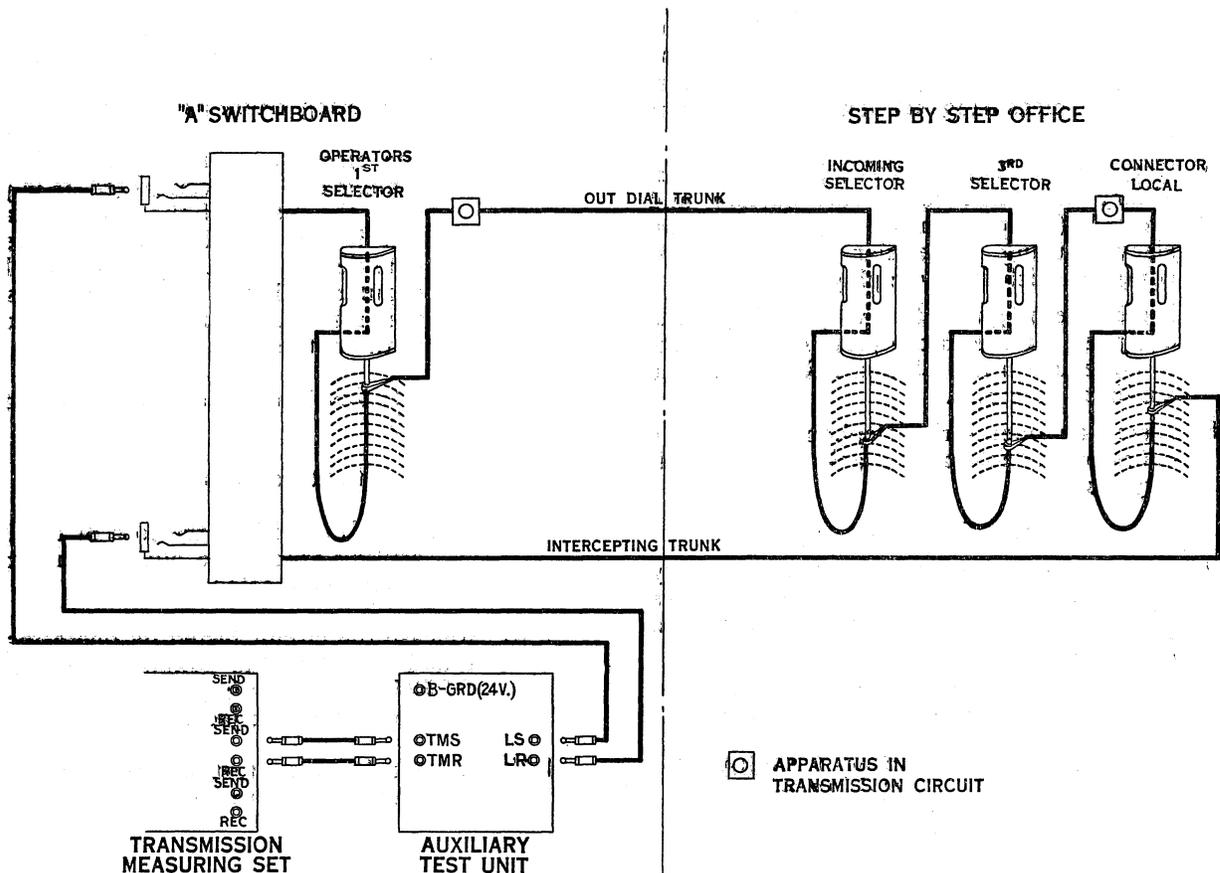


Figure 1

## SECTION K24.10

to Centralized 'A' Switchboards," the method for which is outlined in Section K23.50, paragraphs 2.01 to 2.24, inclusive.

### 4. INTERCEPTING TRUNKS FROM CONNECTOR TERMINALS

4.01 These circuits are tested at the step-by-step "A" switchboard by the loop method.

4.02 The loops are established by dialing the various trunks to be tested over an out dial trunk from the "A" switchboard to the respective step-by-step offices from which the trunks originate.

4.03 Figure 1 shows schematically the connections for the test.

#### Preliminary Connections

4.04 Provide two regular double-ended patching cords equipped with 110 type plugs, one regular patching cord equipped with 109 type plugs and two regular patching cords equipped with plugs of a type suited to the jacks of the "A" switchboard.

4.05 Connect the TMS and TMR jacks of the auxiliary test unit, respectively, to the sending and receiving jacks of the transmission measuring set using two regular patching cords.

4.06 Connect the B-GRD (24V) jack of the auxiliary test unit to 24-volt battery and ground (battery on tip and ground on sleeve) using a regular patching cord equipped with 109 type plugs.

4.07 Insert the plugs of the two patching cords equipped for use in the jacks of the trunks to be tested in the LS and LR jacks of the auxiliary test unit.

4.08 Insert an operator's telephone set in the operator's telephone set jacks of the auxiliary test unit.

#### Testing Procedure

4.09 Operate the following keys of the auxiliary test unit to the positions specified. Keys not mentioned should remain in the normal position.

Key 1 to OPEN	Key 5 to BATT
Key 2 to HOLD	Key 6 to BATT
Key 3 to MET	Key 7 to BATT
Key 4 to MET	Key 8 to BATT
	Key 12 to SL

4.10 Insert the cord connected to the LS jack of the auxiliary test unit into the jack of an out dial trunk to the step-by-step office.

Note: The transmission loss of the out dial trunk should be known so that proper allowance may be made for its loss.

4.11 Operate key 1 of the auxiliary test unit to TEST.

4.12 Dial the number of an intercepting trunk to be tested.

Note: This number may be obtained from the intercepting operator's numerical record of vacant connector terminals.

4.13 When the signal associated with the intercepting trunk of paragraph 4.12 appears at the "A" switchboard, insert the plug of the cord connected to the LR jack of the auxiliary test unit.

Note: The tester will have to use some discretion before connecting to the intercepting trunk as the signal may be that of a regular intercepting call. If the signal appears immediately after dialing has been completed, it is probably the result of the tester's dialing, but if the signal appears before the completion of dialing, it is probably a regular call and in these cases the tester should stop dialing and proceed with another trunk.

4.14 Operate key 1 of the auxiliary test unit to HOLD.

4.15 Measure the transmission loss.

Note: This will be the loss of the intercepting trunk, the out dial trunk and a local connector.

4.16 Release the circuit tested by operating key 1 and key 2 of the auxiliary test unit to OPEN and removing the cord from the intercepting trunk jack.

4.17 Repeat the above testing procedure for the remaining trunks to be tested.