E-TYPE TELEPHONE REPEATERS APPLICATION OF TEST TERMINATIONS USING TEST TERMINATION CIRCUIT SD-96476-01 OR TRUNK TERMINATING AND PATCHING JACKS AT MASTER TEST FRAME

1. GENERAL

1.01 This section describes methods for applying test terminations on reverse battery supervision trunks containing E-type telephone repeaters using (1) test termination circuit SD-96476-01 in conjunction with the manual outgoing trunk test frame, (2) trunk terminating and patching jacks at master test frame in conjunction with the manual outgoing trunk test frame, (3) trunk terminating and patching jacks at master test frame in conjunction with master test control circuit.

1.02 When automatic termination circuits are available at the terminating office, the originating office will be responsible for connecting the trunk to the requested terminations.

1.03 The operation of a TO, TR, or TS key in the test termination circuit provides an open-circuit, 900-ohm, or a short-circuit termination respectively; and connection to a TT-TO, TT-TR, or TT-TS jack at the master test frame provides an open-circuit, 900-ohm, or a short-circuit termination respectively.

2. APPARATUS

2.01 P3F Cords, six feet long, equipped with a No. 309 and a No. 310 Plug (3P12F Cord), as required.

2.02 P3D Cords, six feet long, equipped with two No. 309 Plugs (3P3A Cord), as required.

2.03 Test Termination Circuit SD-96476-01.

2.04 Master Test Frame Jack, Lamp and Key Circuit SD-25762-01.

2.05 Manual Outgoing Trunk Test Circuit SD-25177-01, SD-95476-01, or SD-21610-01.

2.06 Master Test Control Circuit SD-25800-01.

3. METHOD

3.01 When a request is made for a termination at the originating office and automatic termination circuits are not available or not provided at the terminating office, the termination may be placed as follows:

(1) Where test termination circuit SD-96476-01 is provided: Make trunk under test busy and request terminating office to remove heat coils. Patch T jack of trunk to TRK jack of test termination circuit and operate desired TO, TR, or TS key.

(2) Where trunk terminating and patching jacks are provided at master test frame: Make trunk under test busy and request terminating office to remove heat coils. Patch T jack of trunk to desired TT-TO, TT-TR, or TT-TS jack.

3.02 When tests are completed, remove patching cord and restore trunk to service.

Using Test Termination Circuit and Manual Outgoing Trunk Test Circuit

3.03 Make trunk under test busy. Connect the TRK jack of the test termination circuit to the T jack of trunk.

3.04 Connect the TST jack of the test termination circuit to the T1 or T2 jack of the manual outgoing trunk test circuit.

3.05 With the TO, TR, and TS keys of the test termination circuit unoperated, originate a call, using the manual outgoing trunk test circuit, to the test number that will give the desired termination.

3.06 After the connection to the terminating office is established, as indicated by the extinguished SUP- lamp of the outgoing trunk

test circuit, the originating end termination is established by operating the TO, TR, or TS key.

3.07 With the TO, TR, or TS key operated, the trunk under test is held by the test termination circuit and the patching cord connecting the TST jack and T1 or T2 jack may be removed, thereby releasing the manual outgoing trunk test circuit for other use.

3.08 If it is desired to change the type of termination in the originating office, when no change is required in the terminating office, operate the key for the desired termination before restoring the key which was operated for the previous termination.

3.09 When tests are completed, restore all keys, remove all patching cords, and restore trunk to service.

Using Trunk Terminating and Patching Jacks at Master Test Frame and Manual Outgoing Trunk Test Circuit

3.10 Make trunk under test busy. Connect the T jack of the trunk to any TT-PJ jack at master test frame.

3.11 Connect another of the TT-PJ jacks to the T1 or T2 jack of the manual outgoing trunk test circuit.

3.12 Originate a call, using the manual outgoing trunk test circuit, to the test number that will give the desired termination in the terminating office.

3.13 After the connection to the terminating office is established, as indicated by the extinguished SUP- lamp of the outgoing trunk test circuit, the originating end termination is established by connecting a TT-PJ jack to the desired TT-TO, TT-TR, or TT-TS jack.

3.14 With the TT-TO, TT-TR, or TT-TS jack connected to a TT-PJ jack and another TT-PJ jack connected to the T jack of the trunk under test, the connection is held by the trunk terminating and patching jack circuit and the cord connecting a TT-PJ jack and the T1 or T2 jack may be removed, thereby releasing the manual outgoing trunk test circuit for other use.

3.15 If it is desired to change the type of termination in the originating office when no change is required in the terminating office, connect a TT-PJ jack to the desired termination jack (TT-TO, TT-TR, or TT-TS), before removing the patching cord from the previous termination.

3.16 When tests are completed, remove all patching cords and restore trunk to service.

Using Trunk Terminating and Patching Jacks at Master Test Frame and Master Test Control Circuit

3.17 Make trunk under test busy. Originate a call on the trunk, using the master test control circuit, to the test number that will give the desired termination in the terminating office.

3.18 After the call to the terminating office is established, the originating end termination is established by connecting the T jack of the trunk under test to a TT-PJ jack and by connecting another TT-PJ jack to the desired TT-TO, TT-TR, or TT-TS jack.

3.19 With the TT-TO, TT-TR, or TT-TS jack connected to a TT-PJ jack and another TT-PJ jack connected to the T jack of the trunk under test, the connection is held by the trunk terminating and patching jack circuit and the master test control circuit may be restored for other use.

3.20 If it is desired to change the type of termination in the originating office when no change is required in the terminating office, connect a TT-PJ jack to the desired terminating jack (TT-TO, TT-TR, or TT-TS), before removing the patching cord from the previous termination.

3.21 When tests are completed, remove all patching cords and restore trunk to service.