

TOUCH-TONE PARTIAL ARRANGEMENT

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1. GENERAL

1.1 This section outlines a procedure for the addition of Touch-Tone to a No. 1 Crossbar office on a partial-arranged basis.

1.2 This procedure may be used as a guide in the preparation of, or as a supplement to, a Method of Procedure that would be prepared as a normal job function.

2. MODIFICATION OF LINE LINK CONTROLLER

NOTE: To minimize service interruptions Paragraphs 2.4 and 2.7 should be performed during periods of light traffic.

- 2.1 Mount added equipment in all Line Links per DCS-25003-52 or DCS-25553-24.
- 2.2 Connect leads to added equipment per applicable D.C.S..
- 2.3 Block operated relays SLA0-4. Leave these blocked until tests of modified Sender Link Controllers are performed.
- 2.4 Disconnect and connect leads to existing equipment per applicable D.C.S..
- 2.5 Cross-connect terminals HGO-9 to RD or TD of terminal strip TT per telephone company information.
- 2.6 Using an ITE-4042 handset check for dial tone on each horizontal group.
- 2.7 Perform test of Partial Touch-Tone Arrangement per Handbook 61. Section 101. Paragraph 18 before Sender Link Controller is modified and before RDA and TDA cross connections are installed at the D.J.G.F.

3. MODIFICATION OF ORIGINATING SENDER TEST

- 3.1 This modification should be performed before the modification of Subscriber Sender Links so that the OST can continue to perform maintenance test of all Subscriber Senders.
- 3.2 Modify the OST for Touch-Tone per DCS-25221-63D and DCS-25221-73.
- 3.3 Apply test of Handbook 61, Section 16.3. Paragraphs 16.1, 16.2 and

3.4 Cross connect terminals of terminal strip T.T. as follows:

<u>FROM</u>	<u>TO</u>
SGO-9	PO
UO-U9	PSD
SPO	SPF1
SP1	SPF2
SP2	SPF3
SP3	SPF4
SP4	SPF5
SP5	SPF6
SP6	SPF7
SP7	SPF8
SP8	SPF9
SP9	SPFO

- 3.5 Verify that OST can still test existing rotary dial sender.
- 3.6 Adjust Touch-Tone oscillator per Handbook 61, Section 161.5.
- 3.7 As each SSS circuit is modified, change associated cross connections on terminal strip TT per note 401 on SD-25221-0156 and telephone company information.
- 3.8 Check that both rotary dial and Touch-Tone senders can be seized automatically by the test frame.

4. SUBSCRIBER SENDER LINK AND CONTROLLER MODIFICATION

NOTE: Certain steps of this procedure will take equipment out of service. These steps should be performed during periods of light load.

- 4.01 Mount added equipment, run local cable, and connect all leads to new equipment per DCS-25004-53 or DCS-25554-24.
- ★4.02 In controller, block operated GB-relays associated with switch to be modified per DCS-25554-24 sheets 31-38 or DCS-25004-53 sheets 41-55.
- 4.03 Replace off-normal assembly on D-verticals. Make wiring changes and remove GB- relay blocks.
- 4.04 Repeat Paragraphs 4.02 and 4.03 switches to be modified.
- ★4.05 Make wiring changes on D- vertical off-normal contacts of all sender links.
- ★Apply Paragraphs 4.02, 4.03 and 4.04 if SD-25004 is provided or SD-25554 with D-vertical single spring assembly. Apply Paragraph 4.05 if SD-25554 with D-vertical double spring assembly is provided.

4.06 During a period of light load insert make busy plugs into MBO-4 jacks and insulate 7 and 8 top of relays DPO-4. Block operated TGBO-9.

4.07 Block operated relay RD1. Block normal relay TD1.

4.08 Make wiring change of G- relay, G-T.S., MB jack and CO T.S. of associated district junctor group circuit.

4.09 Remove insulation from 7 and 8 top of relay DPO-4.

4.10 Remove MB plug from MB jacks one at a time. Verify operation of each district group. If necessary, apply test 136.1 of Handbook 61.

4.11 Insert MB plug into ET jack or operate ET key to transfer to emergency controller.

4.12 Modify controller circuit.

4.13 Remove busy plug from jack ET and verify controller can handle traffic.

4.14 Repeat Paragraphs 4.06 through 4.13 for all sender links.

4.15 Cross-connect RDA, TDA, and ID (IDA if AMA is provided) leads on DJGF.

4.16 Remove blocks from relays TD1, RD1, and associated SLA- at line link.

4.17 Busy subgroup of senders associated with first SSS circuit to be modified.

4.18 Modify SSS unit.

4.19 Cross-connect A, B, C, and D terminals per Note 212 of SD-25554-0113 or SD-25004-0113 Note 146.

4.20 Repeat Paragraphs 4.17, 4.18, and 4.19 for all sender subgroups.

4.21 Complete remaining details of applicable DCS.

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