

BELL SYSTEM PRACTICES
Plant Series

This Practice Released on: _____

List # PAC 3 Date 9-5-63

SECTION 218-397-903PT
Issue B, July, 1963
Pacific Tel.

B.S.P.M. # _____ O. & E. List # _____

CLASS OF SERVICE AND NUMBER
MATCHING CIRCUIT
NO. 5 CROSSBAR ARRANGED FOR
PBX DIAL TRANSFER

1. GENERAL

1.01 This section describes methods of testing the class of service and number matching circuits ST-521131

1.02 The tests covered are:

A. Register preference:

This test checks the ability of each transfer register to seize the class of service and number matching circuit.

B. NMS Relay Chain Circuit:

This test checks the ability of each transfer register to lock out every other register.

C. MA- Connector Relay:

This test checks that only one register can be connected at a time. NOTE: All tests to be done under light traffic only.

2. APPARATUS

2.01 Test A: WIU Cord

Test B: Toothpicks, 1 Test Receiver

Test C: Toothpicks

3. METHOD

A. Register Preference

1. Using the WIU cord, ground, one at a time, each of the NMS-punchings in each transfer register ST-521128. Observe that the corresponding numbered NMS- and NMB-relays operate in this circuit.

B. NMS- Relay Chain circuit

1. Block operated the highest numbered NMS- relay. Using the test receiver, check for no battery on all lower numbered NMS-punchings. (For location of punchings, see ST-521131, Cads 1 and 10.)

2. Remove blocking tool, then block operated the next lower numbered NMS- relay.

3. Check for no battery on lower numbered NMS- punchings. Check for battery on higher numbered NMS-punchings.

4. Repeat B-2 and B-3 until all NMS- relays have been tested.

C. MA- Connector Relays

1. Block operated all NMS- relays. Only MAO should operate.

2. Remove block from NMSO relay. MAO should release, MA1 only should operate.

3. Remove block from next higher NMS- relay. Only MA- relay corresponding to the highest numbered operated NMS- relay should operate.

4. Repeat C-3 until all MA- relays have been checked.

4. WORK TIMER

4.01 Work timer should meet timing requirements on ST-521131.

4.02

1. Block operated MA- Relay. WT Relay should operate. NMM register at MTF Recorder Bay should operate.

2. Remove block from MA- Relay.

3. Repeat Step 1 for each equipped Transfer Register.