

**TRAFFIC REGISTERS**  
**OPERATION TESTS**  
**3A AUTOMATIC CALL DISTRIBUTING SYSTEM**

**1. GENERAL**

**1.01** This section describes a method of testing traffic register leads available for cross connection to registers when provided in the 3A Automatic Call Distributing system (3A ACD).

**1.02** The tests covered are:

**A. Position Peg-Count Register — PC Lead:**

This test checks that, when a position receives an incoming call, a register will be scored once.

**B. All-Trunks-Busy Register — ATB Lead:**

This test checks that, when all trunks in a trunk group are busy, the register will be scored once.

**C. Lost-Call Register — TT Lead:** This test checks that, if an incoming call is abandoned before a position answers, the last-call register will be scored once.

**D. Peg-Count Register — TT Lead:** This test checks that a peg-count register will be scored once each incoming call.

**E. Group Peg Count — PCI and B Leads:**

This test checks that a register will be scored each time an incoming trunk in an incoming trunk group is seized.

**1.03** Local instructions should be followed for reporting and recording register operations caused by performing these tests.

**1.04** Precautions should be taken when performing the tests to avoid adversely affecting service to the customer. Local instructions should be followed with reference to notifying the customer before performing the tests.

**2. APPARATUS**

**All Tests**

**2.01** 258C (dummy) plug as required.

**2.02** Blocking and insulating tools as required. Use tools and apply as covered in Section 069-020-801.

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**3. METHOD**

| STEP | ACTION | VERIFICATION |
|------|--------|--------------|
|------|--------|--------------|

**A. Position Peg-Count Register — PC Lead**

**Note:** For the duration of this test, vacate the associated position. Remove headset or handset from telephone jacks.

|   |  |  |
|---|--|--|
| 1 | At attendant trunk circuit —<br>Block operated TR relay. |  |
|---|--|--|

|   |                               |   |
|---|-------------------------------|---|
| 2 | Momentarily operate ST relay. | At PC register —<br>Register scores once. |
|---|-------------------------------|---|

|   |                                     |  |
|---|-------------------------------------|--|
| 3 | Remove blocking tool from TR relay. |  |
|---|-------------------------------------|--|

**SECTION 476-335-501**

| <b>STEP</b>                                   | <b>ACTION</b>  | <b>VERIFICATION</b>                                    |
|---|--|--|
| <b>B. All-Trunks-Busy Register — ATB Lead</b> |  |  |
| 1   | At incoming trunk circuit —<br>Insert 258C plugs into IN jacks of incoming trunks of same trunk group. |  |
| 2   | Block operated all but one of R3 relays of incoming trunks of same trunk group.                        |  |
| 3   | Momentarily operate last R3 relay.   | At ATB register —<br>Register scores once.             |
| 4   | Remove blocking tool from all R3 relays.   |  |
| 5   | Remove 258C plugs from IN jacks of trunk group under test.   |  |
| <b>C. Lost-Call Register — TT Lead</b>        |  |  |
| 1   | At incoming trunk circuit —<br>Insert 258C plug into the IN jack.                                      |  |
| 2   | Block nonoperated R3 relay.  |  |
| 3   | Momentarily operate R2 relay ten times.  | At lost-call register —<br>Register scores once.       |
| 4   | Remove blocking tool from R3 relay.  |  |
| 5   | Remove 258C plug from IN jack.   |  |
| <b>D. Peg-Count Register — TT Lead</b>        |  |  |
| 1   | At incoming trunk circuit —<br>Insert 258C plug into IN jack.  |  |
| 2   | Momentarily operate R2 relay ten times.  | At peg-count register —<br>Register scores once.       |
| 3   | Remove 258C plug from IN jack.   |  |
| <b>E. Group Peg Count — PCI and B Leads</b>   |  |  |
| 1   | At incoming trunk group —<br>Select one incoming trunk.  |  |
| 2   | Insert 258C plug into IN jack of selected incoming trunk.  |  |
| 3   | Momentarily operate R2 relay.  | At group peg-count register —<br>Register scores once. |
| 4   | Remove 258C plug from IN jack.   |  |