

**TRAFFIC REGISTERS  
ASSOCIATED WITH REPEATERS  
OPERATION TESTS  
STEP-BY-STEP SYSTEMS**

**1. GENERAL:**

- 1.1 This section describes a method of testing the traffic register relay equipment associated with repeaters.
- 1.2 This test will require the services of two men, one at the traffic register rack to take the readings, and one at the repeater frame. The standard switchmen's talking line is used to enable them to communicate with each other during the test.

**2. APPARATUS:**

- 2.1 Ten No. 375-A Make-busy Tools.
- 2.2 One Dial Hand Set.
- 2.3 One Operator's Telephone Set.

**3. METHOD:**

- 3.1 Make-busy all but one repeater of the group under test, by inserting make-busy

tools between springs No. 3 and No. 4 of the test jacks.

- 3.2 With another make-busy tool make the last repeater busy, at least once. Observe that the register advances one digit each time this repeater is made busy.
- 3.3 Should the register advance before all repeaters of the group have been made busy, it would indicate that the chain circuit of the repeater equipment was falsely closed at some point throughout the chain.
- 3.4 Should the register fail to advance, it would indicate that the chain circuit was open, or faulty adjustment of the relays in the register circuit.

**4. REPORTS:**

- 4.1 The required record of this routine should be entered on the proper form.