MISCELLANEOUS CIRCUITS
RINGING, BATTERY, AUXILIARY SIGNAL, NIGHT ALARM AND FUSE ALARM TESTS AND INSPECTIONS
600C PBX

1. GENERAL:

1.1 This section covers tests of the generator feeder and ringing circuits, battery feeder, auxiliary signal, night alarm and fuse alarm circuits.

1.2 When testing the generator feeder the test receiver should be held away from the ear.

2. APPARATUS:

2.1 Test Receiver (No. 528 or equivalent) equipped with cords and clips.

3. METHOD:

Generator Feeder:

3.1 **Test for presence of ringing current** by ringing the bell of a nearby extension from each position.

3.2 **To test generator key and hand generator,** operate the generator key to the H position and again ring the bell of a nearby extension with the hand generator from each position. **Be sure to restore the generator key to the P position after test.**

3.3 **To test for reversed generator feeder,** connect the test receiver to the tips of a pair of cords and ring on the front cord. If ringing current is heard, the feeder is reversed.

Battery Feeder:

3.4 **Test for the presence of battery** by seeing that the supervisory lamps light when a back plug is inserted into an idle extension line jack.

Auxiliary Signal, Night Alarm and Fuse Alarm Circuits:

3.5 Place a back plug in a jack of an extension line associated with the auxiliary signal circuit under test just far enough to bring the tip of the plug in contact with the ring spring of the jack. The associated line and pilot lamps should light. Operate the NA (night alarm) switch in the cable turning section to its on position. The buzzer should operate. Disconnect the cord from the jack.

3.6 Obtain a ring on a trunk associated with the auxiliary signal circuit under test. The trunk lamp and the associated pilot lamp should light. Insert a front plug into the answering jack of the trunk. Both line and pilot lamps should go out. Disconnect the cord from the jack.

3.7 Connect one clip of the test receiver to battery and touch the other clip to the alarm strip associated with the battery bus-bar at each position. The associated pilot lamp in the cable turning section should light.

3.8 Connect one clip of the test receiver to ground and touch the other clip to the alarm strip associated with the ground bus-bar at each position. The associated lamp in the cable turning section should light.

3.9 With either the battery or ground pilot lamps in the fuse alarm circuit lighted and the FA (fuse alarm) switch in its on position, the fuse alarm bell should ring. Operate the switch to its off position. The bell should stop ringing. Disconnect the test receiver and restore switch to its on position.

4. REPORTS:

4.1 The required record of these tests should be entered on the proper form.