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TRANSMISSION MAINTENANCE
CARRIER TELEGRAPH LAYOUTS
AND
PLANT ORDER CIRCUITS

1. GENERAL

1.01 This section specifies certain periodic transmission maintenance tests of Carrier Telegraph Layouts and Plant Order Circuits controlled by Southwestern Company (SW. Co.) offices. Performance of routine testing specified by this section provides a degree of insurance that transmission over the facilities and equipment associated with the involved service will function satisfactorily.

1.02 This section is issued to cover tests which are not specified by other practices. Instructions of this section shall not be interpreted as eliminating any routines or test records called for by other System or SW. Co. practices.

1.03 The following definitions are furnished for the purpose of this section:

- (a) Carrier Telegraph Layouts include all assigned voice frequency layouts, including spare or emergency layouts, designed for V.F. Telegraph Carrier System use.
- (b) Plant Order Circuits (POC's) include Plant administrative circuits designed for interoffice communications such as KOC's, NOC's, ROC's, XOC's, etc.
- (c) Transmission Maintenance Tests consist of loss measurements at 1KHz, and "C" weighting noise measurements.

2. RESPONSIBILITY

2.01 All Carrier Telegraph Layouts and POC's which are controlled by SW. Co. offices, shall be scheduled for transmission maintenance tests at periodic intervals as described in Part 3 of this section. The SW. Co. office, designated on the Circuit Layout Record Card (CLRC) as Control Office, is responsible for such scheduling and activity as required to insure the specified tests are performed. The control office shall follow the instructions of Addendum 660-402-010 SW in recording schedules and transmission maintenance test results.

3. TEST INTERVALS

3.01 Intervals for performing loss measurements shall be scheduled and performed as follows:

- carrier channel derived services ----- 3 months ✓
- services containing voice frequency repeaters ----- 6 months ✓
- services not utilizing carrier channels or voice frequency repeaters ----- Annually ✓

3.02 Noise measurements shall be scheduled and performed annually.

4. METHODS

4.01 Overall loss and noise measurements on Carrier Telegraph Layouts shall be made between Telegraph Line Boards (Reference Section 660-450-302, Figure 2).

4.02 Overall loss and noise measurements on POC's shall be made between terminals at access test points.

5. REQUIREMENTS

5.01 The 1KHz loss measurement shall be within ± 1.0 db from the specified EML shown on the CLRC. Any excessive deviation must be investigated and corrected.

5.02 The "C" weighting noise measurement shall not exceed the noise maintenance limit specified on the CLRC. Noise measurements which exceed the maintenance limit must be investigated and corrected.