

SUBSCRIBER PLANT
NOISE SURVEY METHODS
MEASUREMENTS

1. GENERAL

1.01.1 This addendum is reissued to supplement certain parts of the main section. Paragraphs below follow the numbering of the main section.

1.04 Test conditions specified in Section 331-850-505 do not include the central office battery supply in measurement results. Therefore, prior to performing measurements on working lines, it is necessary to measure the central office noise generated in the wire center. The recommended procedure is to measure the message circuit noise from the distributing frame to the 900 ohm central office balance test termination number. Section 331-850-501 describes the method of procedure to accomplish this test. Only the "C" message weighting test portion is required. Tests to the balance test termination number should be made during the central office busy hour traffic period.

1.05 Test calls to the central office balance test termination number should be made from spare line equipment if possible. Where working lines are used, the external working line must be removed for the duration of the test, however, care should be taken to avoid an interruption or inconvenience to the customer.

1.06 A minimum of one call for each line group or equivalent, with a maximum of 10 calls distributed uniformly through the line groups, should be sufficient to determine the noise condition within a wire center. Results of these measurements to the office balance termination number shall be recorded on Form SW-9252a, Central Office Noise Survey. A copy of Form SW-9252a shall be forwarded to the Division Plant Superintendent with Form E-5569, for each wire center selected. In the event noise levels above 20 dbrnc are encountered on these tests within a wire center, the Division Plant Superintendent shall arrange for investigation and action to eliminate the noise source.

2. PREPARATIONS FOR TESTING

2.02.1 Southwestern Company maintained central offices with non-Western Electric Company switching equipment may be tested from test cabinets, desks, or frames within the wire center, provided such test locations furnish a test path to the working line similar to that described in Section 331-850-505. When such test conditions cannot be established, noise tests should be performed as covered in Part 3 (F) of Section 331-850-505.