

SSIT-1001(e)8 Recording Devices

Purpose

These instructions describe the tests for recording devices required at grade crossing warning systems to verify they are functioning as intended.

Test Intervals

Tests are performed when installed, as required, and at least once every twelve (12) months as prescribed in *SSIT-7 Signal System Inspection and Test Intervals*.

Rail Safety

Employee shall ensure the site is safe for employees, the public, vehicular traffic and train operations as defined in *SSIT-8 Protecting Train Operations* prior to performing tests and inspections.

Equipment Manuals

A copy of the data recorder manufacturer's manual should be on hand for reference when performing tests.

Procedure

The following tests are to be performed at each crossing warning system location equipped with a data recorder:

Step	Procedure
1. Review Recorded Parameters	<p>→ Check the following parameters are being recorded and are accessible for the last 30 days, where applicable:</p> <ul style="list-style-type: none"> ○ Activation of test switch. ○ Activation of warning system. ○ Activation/deactivation of track circuits. ○ Gate leaving/returning to gate up position. ○ Gate reaching gate down position. ○ Activation/deactivation of remote DAXing. ○ Activation/Deactivation of interconnected devices. ○ Warning times ○ Cut-outs <p>If not all information is recorded: Perform adjustments as per manufacturer's manual. Report to the ONR S&C Supervisor if particular information is still not being recorded.</p>
2. Check Date and Time	<p>→ Check recorder is showing the correct date and time.</p> <p>If recorder showing wrong date and/or time: Update date and/or time according to the manufacturer's manual.</p>
3. Check Data Logging	<p>→ Open Test Switch, wait a few seconds, then restore switch.</p> <p>→ Check data recorder records event(s).</p>
4. Update Log Book	<ul style="list-style-type: none"> • Add any notes of issues observed, or adjustments made.
5. Complete Test Form	<ul style="list-style-type: none"> • Record the test as completed on Grade Crossing Warning System Test Form.