

**Section 236.553 Seal, Where Required**

Waiver is requested exempting Train Sentinel from the seal requirement of this section.

*Justification:* Train Sentinel tests require flexibility in installing, removing, turning on, and turning off Train Sentinel equipment.

**Section 236.566 Locomotive of Each Train Operating in Train Stop, Train Control or Cab Signal Territory; Equipped**

Waiver is requested to the extent that the equipment requirements in this section shall not apply to Train Sentinel during the test phase.

*Justification:* A small subset of locomotives operating in the test territory will be Train Sentinel equipped; the majority of trains will not be equipped. Train Sentinel tests require flexibility in installing, removing, turning on and turning off the on-board equipment. In any case, all Train Sentinel tests will be conducted under the provisions of the rules governing the existing methods of operation.

**Section 236.567 Restrictions Imposed When Device Fails and/or Is Cut Out Enroute**

Waiver is requested exempting Train Sentinel tests from the restrictions associated with device failure or cutout.

*Justification:* Train Sentinel tests require flexibility in installing, removing, turning on and turning off the onboard equipment. All Train Sentinel tests will be conducted under the provisions of the rules governing the existing methods of operation. A failure or deactivation of Train Sentinel equipment will not jeopardize safety of train operations.

**Section 236.586 Daily or After Trip Test**

Waiver is requested exempting the Train Sentinel from the requirements of this section during the test phase.

*Justification:* During the Train Sentinel test phase, the requirements for a daily or after trip test, if necessary, will be defined. An objective is to perform this test without human intervention.

**Section 236.587 Departure Test**

Waiver is requested exempting the Train Sentinel from the requirements of this section during the test phase.

*Justification:* During the Train Sentinel test phase, the requirements for a departure test will be defined. An objective is to perform this test without human intervention.

**Section 236.588 Periodic Test**

Waiver is requested exempting Train Sentinel from the requirements of this section during the test phase.

*Justification:* During the Train Sentinel test phase, the requirements for a departure test will be defined.

**Section 236.703 Aspect**

Clarification is requested exempting the Train Sentinel display from this definition.

*Justification:* Train Sentinel is not an automatic cab signal system.

**Section 236.805 Signal, Cab**

Clarification is requested exempting the Train Sentinel display from this definition.

*Justification:* Train Sentinel is not an automatic cab signal system.

**Section 240.127 Criteria for Examining Skill Performance**

Waiver is requested exempting Train Sentinel from the testing requirements of this section during the test phase.

*Justification:* Criteria and procedures for Train Sentinel performance evaluation do not yet exist; they will be identified and defined during the Train Sentinel test phase.

**Section 240.129 Criteria for Monitoring Operational Performance of Certified Engineers**

Waiver is requested exempting Train Sentinel from the performance monitoring procedures during the Train Sentinel test phase.

*Justification:* Criteria and procedures for Train Sentinel performance evaluation do not yet exist; they will be identified and defined during the Train Sentinel test phase.

It is acknowledged for clarification that Train Sentinel, when fully operative during the test phase, will comply with the following regulations:

**Section 236.8 Operating Characteristics of Electromagnetic, Electronic, or Electrical Apparatus**

Train Sentinel computing equipment will comply with this regulation.

**Section 236.501 Forestalling Device and Speed Control**

Train Sentinel is designed to enforce maximum authorized speeds, speed restrictions, slow speed and absolute stop. Train Sentinel will comply with § 236.501 except for paragraph (b)(2).

**Section 236.502 Automatic Brake Application, Initiation by Restrictive Block Conditions Stopping Distance in Advance**

Train Sentinel is designed to initiate an automatic brake application stopping

distance in advance of the end of limits of authority, or the beginning of each speed restriction in the route.

**Section 236.503 Automatic Brake Application; Initiation When Predetermined Rate of Speed Exceeded**

Train Sentinel will comply with this regulation.

**Section 236.505 Proper Operative Relation Between Parts Along Roadway and Parts on Locomotive**

Train Sentinel will function as intended under all conditions of speed, weather, oscillation and shock. Train Sentinel will comply with this regulation.

**Section 236.506 Release of Brakes After Automatic Application**

After a Train Sentinel initiated brake application, brakes cannot be released until the train is stopped.

**Section 236.507 Brake Application; Full Service**

Train Sentinel will comply with this regulation.

**Section 236.508 Interference With Application of Brakes by Means of Brake Valve**

Train Sentinel equipment will not interfere with or impair the efficiency of the automatic or independent brake valves.

**Section 236.509 Two or More Locomotives Coupled**

Train Sentinel will be made operative only on the controlling locomotive; however, Train Sentinel tests that do not affect train operations may occur on the trailing locomotives.

**Section 236.513 Audible Indicator**

The audible indicator for Train Sentinel will have a distinctive sound and be clearly audible under all operating conditions.

**Section 236.516 Power Supply**

Train Sentinel equipment will have its own isolated power supply.

**Section 236.565 Provision Made for Preventing Operation of Pneumatic Brake-Appling Apparatus by Double-Heading Cock; Requirement**

Operation of the double-heading cock (cutoff pilot valve) will not cut out Train Sentinel before the automatic brake is cut out.

**Section 236.590 Pneumatic Apparatus**

Pneumatic apparatus will be inspected and cleaned as required.