

overrides the operation of automatic warning systems. This includes both switch cut-out circuits and devices which enable personnel to manually override the operation of automatic warning systems.

§ 234.271 Insulated rail joints, bond wires, and track connections.

Insulated rail joints, bond wires, and track connections shall be inspected at least once every three months.

§ 234.273 Results of inspections and tests.

(a) Results of inspections and tests made in compliance with this part shall be recorded on forms provided by the railroad, or by electronic means, subject to approval by the Associate

Administrator for Safety. Each record shall show the name of the railroad, AAR/DOT inventory number, place and date, equipment tested, results of tests, repairs, replacements, adjustments made, and condition in which the apparatus was left.

(b) Each record shall be signed or electronically coded by the employee making the test and shall be filed in the office of a supervisory official having jurisdiction. Records required to be kept shall be made available to FRA as provided by 49 U.S.C. 20107 (formerly § 208 of the Federal Railroad Safety Act of 1970 (45 U.S.C. 437)).

(c) Each record shall be retained until the next record for that test is filed but in no case for less than one year from the date of the test.

APPENDIX A TO PART 234—SCHEDULE OF CIVIL PENALTIES¹

Section	Violation	Willful violation
Subpart B—Reports		
234.7 Accidents involving grade crossing signal failure	\$5,000	\$7,500
234.9 Grade crossing signal system failure reports	2,500	5,000
Subpart C—Response to Reports of Warning System Malfunction		
Sec.		
234.101 Employee notification rules	2,500	5,000
234.103 Timely response to report of malfunction	2,500	5,000
234.105 Activation failure		
(a) Failure to notify—train crews	5,000	7,500
Other railroads	5,000	7,500
(b) Failure to notify law enforcement agency	2,500	5,000
(c) Failure to comply with—flagging requirements	5,000	5,000
Speed restrictions	5,000	7,500
(d) Failure to activate horn or whistle	5,000	7,500
234.106 Partial activation		
(a) Failure to notify—train crews	5,000	7,500
Other railroads	5,000	7,500
(b) Failure to notify law enforcement agency	2,500	5,000
(c) Failure to comply with—flagging requirements speed restrictions	5,000	7,500
(d) Failure to activate horn or whistle	5,000	7,500
234.107 False activation		
(a) Failure to notify—train crews	5,000	7,500
Other railroads	5,000	7,500
(b) Failure to notify law enforcement agency	2,500	5,000
(c) Failure to comply with—flagging requirements	5,000	7,500
Speed restrictions	5,000	7,500
(d) Failure to activate horn or whistle	5,000	7,500
234.109 Recordkeeping	1,000	2,000
Subpart D—Maintenance, Inspection, and Testing		
Maintenance Standards:		
234.201 Location of plans	1,000	2,000
234.203 Control circuits	1,000	2,000
234.205 Operating characteristics of warning system apparatus	2,500	5,000
234.207 Adjustment, repair, or replacement of component	2,500	5,000
234.209 Interference with normal functioning of system	5,000	7,500
234.211 Locking of warning system apparatus	1,000	2,000
234.213 Grounds	1,000	2,000
234.215 Standby power system	5,000	7,500
234.217 Flashing light units	1,000	2,000
234.219 Gate arm lights and light cable	1,000	2,000
234.221 Lamp voltage	1,000	2,000
234.223 Gate arm	1,000	2,000
234.225 Activation of warning system	5,000	7,500

Section	Violation	Willful violation
234.227 Train detection apparatus	2,500	5,000
234.229 Shunting sensitivity	2,500	5,000
234.231 Fouling wires	1,000	2,000
234.233 Rail joints	1,000	2,000
234.235 Insulated rail joints	1,000	2,000
234.237 Switch equipped with circuit controller	1,000	2,000
234.239 Tagging of wires and interference of wires or tags with signal apparatus	1,000	2,000
234.241 Protection of insulated wire: splice in underground wire	1,000	2,000
234.243 Wire on pole line and aerial cable	1,000	2,000
234.245 Signs	1,000	2,000
Inspections and Tests:		
234.247 Purpose of inspections and tests; removal from service of relay or device failing to meet test requirements	2,500	5,000
234.249 Ground tests	2,500	5,000
234.251 Standby power	5,000	7,500
234.253 Flashing light units and lamp voltage	1,000	2,000
234.255 Gate arm and gate mechanism	1,000	2,000
234.257 Warning system operation	2,500	5,000
234.259 Warning time	1,000	2,000
234.261 Highway traffic signal pre-emption	1,000	2,000
234.263 Relays	1,000	2,000
234.265 Timing relays and timing devices	1,000	2,000
234.267 Insulation resistance tests, wires in trunking and cables	2,500	5,000
234.269 Cut-out circuits	1,000	2,000
234.271 Insulated rail joints, bond wires, and track connections	2,500	5,000
234.273 Results of tests	1,000	2,000

¹ A penalty may be assessed against an individual only for a willful violation. The Administrator reserves the right to assess a penalty of up to \$22,000 for any violation where circumstances warrant. See 49 CFR Part 209, Appendix A.

[61 FR 31806, June 20, 1996, as amended at 63 FR 11623, Mar. 10, 1998]

APPENDIX B TO PART 234—ALTERNATE METHODS OF PROTECTION UNDER 49 CFR 234.105(C), 234.106, AND 234.107(C)

[This is a summary—see body of text for complete requirements]

	Flagger for each direction of traffic	Police officer present	Flagger present, but not one for each direction of traffic	No flagger/no police
False Activation	Normal Speed	Normal Speed	Proceed with caution—maximum speed of 15 mph.	Proceed with caution—maximum speed of 15 mph.
Partial Activation* ...	Normal Speed	Normal Speed	Proceed with caution—maximum speed of 15 mph.	Proceed with caution—maximum speed of 15 mph.
Activation Failure**	Normal Speed	Normal Speed	Proceed with caution—maximum speed of 15 mph.	Stop: Crewmember flag traffic and reboard.

*Partial activation—full warning not given.
 Non-gated crossing with one pair of lights designed to flash alternatively, one light does not work (and back-lights from other side not visible).
 Gated crossing—gate arm not horizontal; or any portion of a gate arm is missing if that portion had held a gate arm flashing light.
 **Activation failure includes—if more than 50% of the flashing lights on any approach lane not functioning; or if an approach lane has two or more pairs of flashing lights, there is not at least one pair operating as intended.

PART 235—INSTRUCTIONS GOVERNING APPLICATIONS FOR APPROVAL OF A DISCONTINUANCE OR MATERIAL MODIFICATION OF A SIGNAL SYSTEM OR RELIEF FROM THE REQUIREMENTS OF PART 236

- Sec.
- 235.1 Scope.
- 235.3 Application.
- 235.5 Changes requiring filing of application.

- 235.7 Changes not requiring filing of application.
- 235.8 Relief from the requirements of part 236 of this title.
- 235.9 Civil penalty.
- 235.10 Contents of application.
- 235.12 Additional required information-prints.
- 235.13 Filing procedure.
- 235.14 Notice.
- 235.20 Protests.

APPENDIX A TO PART 235—SCHEDULE OF CIVIL PENALTIES