

§ 235.20

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notice will be available at the Department of Transportation Central Docket Management System, Nassif Building, Room PL-401, 400 Seventh Street, S.W., Washington, D.C. 20590, and on the Docket Management System's Web site at <http://dms.dot.gov>.

Railroad Administration, Washington, DC 20590, and one copy shall be furnished to each applicant.

[64 FR 70195, Dec. 16, 1999]

§ 235.20 Protests.

(c) Protests should be filed within the time limit set forth in the public notice.

(a) A protest against the granting of an application shall set forth specifically the grounds upon which it is made, and contain a concise statement of the interest of protestant in the proceeding.

(d) The protestant shall certify that service of a copy of its protest was made upon each applicant.

(b) The original and two copies of any protest shall be filed with the Associate Administrator for Safety, Federal

(e) Request for hearing must be accompanied with a showing why the protestant is unable to properly present his or her position by written statements.

EFFECTIVE DATE NOTE: At 49 FR 3380, Jan. 26, 1984, part 235 was revised. This section contains information collection and record-keeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

APPENDIX A TO PART 235—SCHEDULE OF CIVIL PENALTIES¹

Section	Violation	Willful violation
235.5 Changes requiring filing of application	\$5,000	\$7,500

[53 FR 52936, Dec. 29, 1988]

PART 236—RULES, STANDARDS, AND INSTRUCTIONS GOVERNING THE INSTALLATION, INSPECTION, MAINTENANCE, AND REPAIR OF SIGNAL AND TRAIN CONTROL SYSTEMS, DEVICES, AND APPLIANCES

- 236.7 Circuit controller operated by switch-and-lock movement.
- 236.8 Operating characteristics of electromagnetic, electronic, or electrical apparatus.
- 236.9 Selection of circuits through indicating or annunciating instruments.
- 236.10 Electric locks, force drop type; where required.
- 236.11 Adjustment, repair, or replacement of component.
- 236.12 Spring switch signal protection; where required.
- 236.13 Spring switch; selection of signal control circuits through circuit controller.
- 236.14 Spring switch signal protection; requirements.
- 236.15 Timetable instructions.
- 236.16 Electric lock, main track releasing circuit.
- 236.17 Pipe for operating connections, requirements.

Sec.

236.0 Applicability, minimum requirements, and civil penalties.

Subpart A—Rules and Instructions: All Systems

GENERAL

- 236.1 Plans, where kept.
- 236.2 Grounds.
- 236.3 Locking of signal apparatus housings.
- 236.4 Interference with normal functioning of device.
- 236.5 Design of control circuits on closed circuit principle.
- 236.6 Hand-operated switch equipped with switch circuit controller.

ROADWAY SIGNALS AND CAB SIGNALS

- 236.21 Location of roadway signals.
- 236.22 Semaphore signal arm; clearance to other objects.

¹A penalty may be assessed against an individual only for a willful violation. The Administrator reserves the right to assess a

penalty of up to \$20,000 for any violation where circumstances warrant. See 49 CFR part 209, appendix A.

- 236.23 Aspects and indications.
- 236.24 Spacing of roadway signals.
- 236.25 [Reserved]
- 236.26 Buffing device, maintenance.

TRACK CIRCUITS

- 236.51 Track circuit requirements.
- 236.52 Relayed cut-section.
- 236.53 Track circuit feed at grade crossing.
- 236.54 Minimum length of track circuit.
- 236.55 Dead section; maximum length.
- 236.56 Shunting sensitivity.
- 236.57 Shunt and fouling wires.
- 236.58 Turnout, fouling section.
- 236.59 Insulated rail joints.
- 236.60 Switch shunting circuit; use restricted.

WIRES AND CABLES

- 236.71 Signal wires on pole line and aerial cable.
- 236.72 [Reserved]
- 236.73 Open-wire transmission line; clearance to other circuits.
- 236.74 Protection of insulated wire; splice in underground wire.
- 236.75 [Reserved]
- 236.76 Tagging of wires and interference of wires or tags with signal apparatus.

INSPECTIONS AND TESTS; ALL SYSTEMS

- 236.101 Purpose of inspection and tests; removal from service of relay or device failing to meet test requirements.
- 236.102 Semaphore or searchlight signal mechanism.
- 236.103 Switch circuit controller or point detector.
- 236.104 Shunt fouling circuit.
- 236.105 Electric lock.
- 236.106 Relays.
- 236.107 Ground tests.
- 236.108 Insulation resistance tests, wires in trunking and cables.
- 236.109 Time releases, timing relays and timing devices.
- 236.110 Results of tests.

Subpart B—Automatic Block Signal Systems

STANDARDS

- 236.201 Track-circuit control of signals.
- 236.202 Signal governing movements over hand-operated switch.
- 236.203 Hand operated crossover between main tracks; protection.
- 236.204 Track signaled for movements in both directions, requirements.
- 236.205 Signal control circuits; requirements.
- 236.206 Battery or power supply with respect to relay; location.
- 236.207 Electric lock on hand-operated switch; control.

Subpart C—Interlocking

STANDARDS

- 236.301 Where signals shall be provided.
- 236.302 Track circuits and route locking.
- 236.303 Control circuits for signals, selection through circuit controller operated by switch points or by switch locking mechanism.
- 236.304 Mechanical locking or same protection effected by circuits.
- 236.305 Approach or time locking.
- 236.306 Facing point lock or switch-and-lock movement.
- 236.307 Indication locking.
- 236.308 Mechanical or electric locking or electric circuits; requisites.
- 236.309 Loss of shunt protection; where required.
- 236.310 Signal governing approach to home signal.
- 236.311 Signal control circuits, selection through track relays or devices functioning as track relays and through signal mechanism contacts and time releases at automatic interlocking.
- 236.312 Movable bridge, interlocking of signal appliances with bridge devices.
- 236.313 [Reserved]
- 236.314 Electric lock for hand-operated switch or derail.

RULES AND INSTRUCTIONS

- 236.326 Mechanical locking removed or disarranged; requirement for permitting train movements through interlocking.
- 236.327 Switch, movable-point frog or split-point derail.
- 236.328 Plunger of facing-point lock.
- 236.329 Bolt lock.
- 236.330 Locking dog of switch-and-lock movement.
- 236.331-236.333 [Reserved]
- 236.334 Point detector.
- 236.335 Dogs, stops and trunnions of mechanical locking.
- 236.336 Locking bed.
- 236.337 Locking faces of mechanical locking; fit.
- 236.338 Mechanical locking required in accordance with locking sheet and dog chart.
- 236.339 Mechanical locking; maintenance requirements.
- 236.340 Electromechanical interlocking machine; locking between electrical and mechanical levers.
- 236.341 Latch shoes, rocker links, and quadrants.
- 236.342 Switch circuit controller.

INSPECTION AND TESTS

- 236.376 Mechanical locking.
- 236.377 Approach locking.
- 236.378 Time locking.
- 236.379 Route locking.

- 236.380 Indication locking.
- 236.381 Traffic locking.
- 236.382 Switch obstruction test.
- 236.383 Valve locks, valves, and valve magnets.
- 236.384 Cross protection.
- 236.385 [Reserved]
- 236.386 Restoring feature on power switches.
- 236.387 Movable bridge locking.

Subpart D—Traffic Control Systems

STANDARDS

- 236.401 Automatic block signal system and interlocking standards applicable to traffic control systems.
- 236.402 Signals controlled by track circuits and control operator.
- 236.403 Signals at controlled point.
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- 236.405 Track signaled for movements in both directions, change of direction of traffic.
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- 236.407 Approach or time locking; where required.
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- 236.410 Locking, hand-operated switch; requirements.

RULES AND INSTRUCTIONS

- 236.426 Interlocking rules and instructions applicable to traffic control systems.

INSPECTION AND TESTS

- 236.476 Interlocking inspections and tests applicable to traffic control systems.

Subpart E—Automatic Train Stop, Train Control and Cab Signal Systems

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- 236.501 Forestalling device and speed control.
- 236.502 Automatic brake application, initiation by restrictive block conditions stopping distance in advance.
- 236.503 Automatic brake application; initiation when predetermined rate of speed exceeded.
- 236.504 Operation interconnected with automatic block-signal system.
- 236.505 Proper operative relation between parts along roadway and parts on locomotive.
- 236.506 Release of brakes after automatic application.
- 236.507 Brake application; full service.
- 236.508 Interference with application of brakes by means of brake valve.
- 236.509 Two or more locomotives coupled.
- 236.510 [Reserved]
- 236.511 Cab signals controlled in accordance with block conditions stopping distance in advance.

- 236.512 Cab signal indication when locomotive enters block where restrictive conditions obtain.
- 236.513 Audible indicator.
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- 236.515 Visibility of cab signals.
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- 236.527 Roadway element insulation resistance.
- 236.528 Restrictive condition resulting from open hand-operated switch; requirement.
- 236.529 Roadway element inductor; height and distance from rail.
- 236.530 [Reserved]
- 236.531 Trip arm; height and distance from rail.
- 236.532 Strap iron inductor; use restricted.
- 236.533 [Reserved]
- 236.534 Entrance to equipped territory; requirements.

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- 236.551 Power supply voltage; requirement.
- 236.552 Insulation resistance; requirement.
- 236.553 Seal, where required.
- 236.554 Rate of pressure reduction; equalizing reservoir or brake pipe.
- 236.555 Repaired or rewound receiver coil.
- 236.556 Adjustment of relay.
- 236.557 Receiver; location with respect to rail.
- 236.558–236.559 [Reserved]
- 236.560 Contact element, mechanical trip type; location with respect to rail.
- 236.561 [Reserved]
- 236.562 Minimum rail current required.
- 236.563 Delay time.
- 236.564 Acknowledging time.
- 236.565 Provision made for preventing operation of pneumatic break-applying apparatus by double-heading cock; requirement.
- 236.566 Locomotive of each train operating in train stop, train control or cab signal territory; equipped.
- 236.567 Restrictions imposed when device fails and/or is cut out en route.
- 236.568 Difference between speeds authorized by roadway signal and cab signal; action required.

INSPECTION AND TESTS; ROADWAY

- 236.576 Roadway element.
- 236.577 Test, acknowledgement, and cut-in circuits.

INSPECTION AND TESTS; LOCOMOTIVE

- 236.586 Daily or after trip test.
- 236.587 Departure test.
- 236.588 Periodic test.
- 236.589 Relays.

236.590 Pneumatic apparatus.

Subpart F—Dragging Equipment and Slide Detectors and Other Similar Protective Devices

STANDARDS

236.601 Signals controlled by devices; location.

Subpart G—Definitions

236.700 Definitions.
 236.701 Application, brake; full service.
 236.702 Arm, semaphore.
 236.703 Aspect.
 236.704 [Reserved]
 236.705 Bar, locking.
 236.706 Bed, locking.
 236.707 Blade, semaphore.
 236.708 Block.
 236.709 Block, absolute.
 236.710 Block, latch.
 236.711 Bond, rail joint.
 236.712 Brake pipe.
 236.713 Bridge, movable.
 236.714 Cab.
 236.715–236.716 [Reserved]
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 236.719 Circuit, acknowledgment.
 236.720 Circuit, common return.
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 236.723 Circuit, double wire; line.
 236.724 Circuit, shunt fouling.
 236.725 Circuit, switch shunting.
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 236.727 Circuit, track; coded.
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 236.734 Current of traffic.
 236.735 Current, leakage.
 236.736 Cut-section.
 236.737 Cut-section, relayed.
 236.738 Detector, point.
 236.739 Device, acknowledging.
 236.740 Device, reset.
 236.741 Distance, stopping.
 236.742 Dog, locking.
 236.743 Dog, swing.
 236.744 Element, roadway.
 236.745 Face, locking.
 236.746 Feature, restoring.
 236.747 Forestall.
 236.748 [Reserved]
 236.749 Indication.
 236.750 Interlocking, automatic.
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 236.753 Limits, interlocking.
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 236.755 Link, rocker.

236.756 Lock, bolt.
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 236.766 Locking, movable bridge.
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 236.775 Movement, switch-and-lock.
 236.776 Movement, trailing.
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 236.780 Plunger, facing point lock.
 236.781 [Reserved]
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 236.783 Point, stop-indication.
 236.784 Position, deenergized.
 236.785 Position, false restrictive.
 236.786 Principle, closed circuit.
 236.787 Protection, cross.
 236.788 Receiver.
 236.789 Relay, timing.
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 236.791 Release, value.
 236.792 Reservoir, equalizing.
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 236.794 Rod, up-and-down.
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 236.796 Routes, conflicting.
 236.797 Route, interlocked.
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 236.800 Sheet, locking.
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 236.803 Signal, approach.
 236.804 Signal, block.
 236.805 Signal, cab.
 236.806 Signal, home.
 236.807 Signal, interlocking.
 236.808 Signals, opposing.
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 236.810 Spectacle, semaphore arm.
 236.811 Speed, medium.
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 236.813a State, most restrictive.
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 236.815 Stop.
 236.816 Superiority of trains.
 236.817 Switch, electro-pneumatic.
 236.818 Switch, facing point.
 236.819 Switch, hand operated.
 236.820 Switch, interlocked.

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- 236.820a Switch, power-operated.
- 236.821 Switch, sectionalizing.
- 236.822 Switch, spring.
- 236.823 Switch, trailing point.
- 236.824 System, automatic block signal.
- 236.825 System, automatic train control.
- 236.826 System, automatic train stop.
- 236.827 System, block signal.
- 236.828 System, traffic control.
- 236.829 Terminal, initial.
- 236.830 Time, acknowledging.
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- 236.831a Track, main.
- 236.832 Train.
- 236.833 Train, opposing.
- 236.834 Trip.
- 236.835 Trunking.
- 236.836 Trunnion.
- 236.837 Valve, electro-pneumatic.
- 236.838 Wire, shunt.

APPENDIX A TO PART 236—CIVIL PENALTIES

AUTHORITY: 49 U.S.C. 20103, 20107; 28 U.S.C. 2461, note and 49 CFR 1.49.

SOURCE: 33 FR 19684, Dec. 25, 1968, unless otherwise noted.

§ 236.0 Applicability, minimum requirements, and civil penalties.

(a) Except as provided in paragraph (b) of this section, this part applies to railroads that operate on standard gage track which is part of the general railroad system of transportation.

(b) This part does not apply to rail rapid transit operations conducted over track that is used exclusively for that purpose and that is not part of the general system of railroad transportation.

(c) Where a passenger train is operated at a speed of 60 or more miles per hour, or a freight train is operated at a speed of 50 or more miles per hour, a block signal system complying with the provisions of this part shall be installed or a manual block system shall be placed permanently in effect which shall conform to the following conditions:

(1) A passenger train shall not be admitted to a block occupied by another train except under flag protection;

(2) No train shall be admitted to a block occupied by a passenger train except under flag protection;

(3) No train shall be admitted to a block occupied by an opposing train except under flag protection; and

(4) A freight train, including a work train, may be authorized to follow a freight train, including a work train, into a block but the following train

must proceed prepared to stop within one-half the range of vision but not exceeding 20 miles per hour.

(d) Where any train is operated at a speed of 80 or more miles per hour, an automatic cab signal, automatic train stop or automatic train control system complying with the provisions of this part shall be installed.

(e) Nothing in this section authorizes the discontinuance of a block signal system, interlocking, traffic control system, automatic train stop, train control, or cab signal system without approval of the Federal Railroad Administration.

(f) Any person (an entity of any type covered under 1 U.S.C. 1, including but not limited to the following: a railroad; a manager, supervisor, official, or other employee or agent of a railroad; any owner, manufacturer, lessor, or lessee of railroad equipment, track, or facilities; any independent contractor providing goods or services to a railroad; and any employee of such owner, manufacturer, lessor, lessee, or independent contractor) who violates any requirement of this part or causes the violation of any such requirement is subject to a civil penalty of at least \$550 and not more than \$11,000 per violation, except that: Penalties may be assessed against individuals only for willful violations, and, where a grossly negligent violation or a pattern of repeated violations has created an imminent hazard of death or injury to persons, or has caused death or injury, a penalty not to exceed \$27,000 per violation may be assessed. Each day a violation continues shall constitute a separate offense. See appendix A to this part for a statement of agency civil penalty policy.

[49 FR 3382, Jan. 26, 1984, as amended at 53 FR 52936, Dec. 29, 1988; 63 FR 11624, Mar. 10, 1998; 69 FR 30595, May 28, 2004]