

§ 229.1

49 CFR Ch. II (10–1–06 Edition)

DRAFT SYSTEM

229.61 Draft system.

SUSPENSION SYSTEM

229.63 Lateral motion.
229.64 Plain bearings.
229.65 Spring rigging.
229.67 Trucks.
229.69 Side bearings.
229.71 Clearance above top of rail.
229.73 Wheel sets.
229.75 Wheel and tire defects.

ELECTRICAL SYSTEM

229.77 Current collectors.
229.79 Third rail shoes.
229.81 Emergency pole; shoe insulation.
229.83 Insulation or grounding of metal parts.
229.85 Doors and cover plates marked "Danger".
229.87 Hand-operated switches.
229.89 Jumpers; cable connections.
229.91 Motors and generators.

INTERNAL COMBUSTION EQUIPMENT

229.93 Safety cut-off device.
229.95 Venting.
229.97 Grounding fuel tanks.
229.99 Safety hangers.
229.101 Engines.

STEAM GENERATORS

229.103 Safe working pressure; factor of safety.
229.105 Steam generator number.
229.107 Pressure gauge.
229.109 Safety valves.
229.111 Water-flow indicator.
229.113 Warning notice.

CABS AND CAB EQUIPMENT

229.115 Slip/slide alarms.
229.117 Speed indicators.
229.119 Cabs, floors, and passageways.
229.121 Locomotive cab noise.
229.123 Pilots, snowplows, end plates.
229.125 Headlights and auxiliary lights.
229.127 Cab lights.
229.129 Locomotive horn.
229.131 Sanders.
229.133 Interim locomotive conspicuity measures—auxiliary external lights.
229.135 Event recorders.
229.137 Sanitation, general requirements.
229.139 Sanitation, servicing requirements.

Subpart D—Locomotive Crashworthiness Design Requirements

229.141 Body structure, MU locomotives.
229.201 Purpose and scope.
229.203 Applicability.
229.205 General requirements.
229.206 Design requirements.

229.207 New locomotive crashworthiness design standards and changes to existing FRA-approved locomotive crashworthiness design standards.
229.209 Alternative locomotive crashworthiness designs.
229.211 Processing of petitions.
229.213 Locomotive manufacturing information.
229.215 Retention and inspection of designs.
229.217 Fuel tank.

APPENDIX A TO PART 229—FORM FRA 6180-49A [NOTE]

APPENDIX B TO PART 229—SCHEDULE OF CIVIL PENALTIES

APPENDIX C TO PART 229—FRA LOCOMOTIVE STANDARDS—CODE OF DEFECTS [NOTE]

APPENDIX D TO PART 229—CRITERIA FOR CERTIFICATION OF CRASHWORTHY EVENT RECORDER MEMORY MODULE

APPENDIX E TO PART 229—PERFORMANCE CRITERIA FOR LOCOMOTIVE CRASHWORTHINESS

AUTHORITY: 49 U.S.C. 20103, 20107, 20133, 20137-38, 20143, 20701-03, 21301-02, 21304; 28 U.S.C. 2401, note; and 49 CFR 1.49(c), (m).

SOURCE: 45 FR 21109, Mar. 31, 1980, unless otherwise noted.

Subpart A—General

§ 229.1 Scope.

This part prescribes minimum Federal safety standards for all locomotives except those propelled by steam power.

§ 229.3 Applicability.

(a) Except as provided in paragraphs (b) through (e) of this section, this part applies to all standard gage railroads.

(b) This part does not apply to:

(1) A railroad that operates only on track inside an installation which is not part of the general railroad system of transportation; or

(2) Rapid transit operations in an urban area that are not connected with the general railroad system of transportation.

(c) Paragraphs (a) and (b) of § 229.125 do not apply to Tier II passenger equipment as defined in § 238.5 of this chapter (i.e., passenger equipment operating at speeds exceeding 125 mph but not exceeding 150 mph).

(d) On or after November 8, 1999, paragraphs (a)(1) and (b)(1) of § 229.141 do not apply to "passenger equipment" as defined in § 238.5 of this chapter, unless such equipment is excluded from the requirements of §§ 238.203 through

238.219, and § 238.223 of this chapter by operation of § 238.201(a)(2) of this chapter.

(e) Paragraphs (a)(2) through (a)(4), and (b)(2) through (b)(4) of § 229.141 do not apply to "passenger equipment" as defined in § 238.5 of this chapter that is placed in service for the first time on or after September 8, 2000, unless such equipment is excluded from the requirements of §§ 238.203 through 238.219, and § 238.223 of this chapter by operation of § 238.201(a)(2) of this chapter.

[54 FR 33229, Aug. 14, 1989, as amended at 64 FR 25659, May 12, 1999]

§ 229.4 Information collection.

(a) The information collection requirements in this part have been reviewed by the Office of Management and Budget pursuant to the Paperwork Reduction Act of 1980, Public Law 96-511, and have been assigned OMB control number 2130-0004.

(b) The information collection requirements are found in the following sections:

- (1) Section 229.9.
- (2) Section 229.17.
- (3) Section 229.21.
- (4) Section 229.23.
- (5) Section 229.25.
- (6) Section 229.27.
- (7) Section 229.29.
- (8) Section 229.31.
- (9) Section 229.33.
- (10) Section 229.55.
- (11) Section 229.103.
- (12) Section 229.105.
- (13) Section 229.113.
- (14) Section 229.135.

[50 FR 6953, Feb. 19, 1985, as amended at 58 FR 36613, July 8, 1993]

§ 229.5 Definitions.

As used in this part—

AAR means the Association of American Railroads.

Acceptable quality level (AQL). The AQL is expressed in terms of percent defective or defects per 100 units. Lots having a quality level equal to a specified AQL will be accepted approximately 95 percent of the time when using the sampling plans prescribed for that AQL.

Anti-climbers means the parts at the ends of adjoining rail vehicles in a train that are designed to engage when

subjected to large buff loads to prevent the override of one vehicle by another.

Associate Administrator for Safety means the Associate Administrator for Safety, Federal Railroad Administration, or that person's delegate as designated in writing.

Break means a fracture resulting in complete separation into parts.

Build date means the date on which the completed locomotive is shipped by the manufacturer or remanufacturer to the customer, or if the railroad manufactures or remanufactures the locomotive itself, the date on which the locomotive is released from the manufacture or remanufacture facility.

Cab means that portion of the superstructure designed to be occupied by the crew operating the locomotive.

Carrier means *railroad*, as that term is in this section.

Collision posts means structural members of the end structures of a rail vehicle that extend vertically from the underframe to which they are securely attached and that provide protection to occupied compartments from an object penetrating the vehicle during a collision.

Corner posts means structural members located at the intersection of the front or rear surface with the side surface of a rail vehicle and which extend vertically from the underframe to the roof.

Commuter service means the type of railroad service described under the heading "Commuter Operations" in 49 CFR part 209, Appendix A.

Commuter work train is a non-revenue service train used in the administration and upkeep service of a commuter railroad.

Control cab locomotive means a locomotive without propelling motors but with one or more control stands.

Controlling remote distributed power locomotive means the locomotive in a distributed power consist that receives the coded signal from the lead locomotive consist of the train whether commanded automatically by the distributed power system or manually by the locomotive engineer.

Crack means a fracture without complete separation into parts, except that castings with shrinkage cracks or hot