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(b) Except as provided in §232.303(e), a railroad shall perform a single car air brake test on a car when:

(1) A car has its brakes cut-out or inoperative when removed from a train or when placed on a shop or repair track, as defined in §232.303(a);

(2) A car is on a shop or repair track, as defined in §232.303(a), for any reason and has not received a single car air brake test within the previous 12-month period;

(3) A car is found with missing or incomplete single car air brake test information;

(4) One or more of the following conventional air brake equipment items is removed, repaired, or replaced:

- (i) Brake reservoir;
- (ii) Control valve mounting gasket;
- (iii) Pipe bracket stud;
- (iv) Service portion;
- (v) Emergency portion; or
- (vi) Pipe bracket.

(5) A car is found with one or more of the following wheel defects:

- (i) Built-up tread, unless known to be caused by hand brake left applied;
- (ii) Slid flat wheel, unless known to be caused by hand brake left applied; or
- (iii) Thermal cracks.

(c) Except as provided in paragraph (d) of this section, each car shall receive a single car air brake test no less than every 5 years.

(d) Each car shall receive a single car air brake test no less than 8 years from the date the car was built or rebuilt.

(e) A single car air brake test shall be performed on each new or rebuilt car prior to placing or using the car in revenue service.

(f) For purposes of paragraphs (b)(2), (b)(3), and (c) of this section, if a single car test or repair track air brake test is conducted on a car prior to January 1, 2001, pursuant to the then existing AAR standards, it shall be considered the last single car air brake test for that car, if necessary.

[66 FR 39688, Aug. 1, 2001]

§ 232.307 Modification of the single car air brake test procedures.

(a) *Request.* The AAR or other authorized representative of the railroad industry may seek modification of the single car air brake test procedures prescribed in §232.305(a). The request for modification shall be submitted in triplicate to the Associate Administrator for Safety, Federal Railroad Administration, 400 7th Street, S.W., Washington, D.C. 20590 and shall contain:

(1) The name, title, address, and telephone number of the primary person to be contacted with regard to review of the modification;

(2) The modification, in detail, to be substituted for a particular procedure prescribed in §232.305(a);

(3) Appropriate data or analysis, or both, for FRA to consider in determining whether the modification will provide at least an equivalent level of safety; and

(4) A statement affirming that the railroad industry has served a copy of the request on the designated representatives of the employees responsible for the equipment's operation, inspection, testing, and maintenance under this part, together with a list of the names and addresses of the persons served.

(b) *Federal Register document.* Upon receipt of a request for modification, FRA will publish a document in the FEDERAL REGISTER containing the requested modification. The document will permit interested parties 60 days to comment on any requested modification.

(c) *FRA review.* During the 60 days provided for public comment, FRA will review the petition. If FRA objects to the requested modification, written notification will be provided, within this 60-day period, to the party requesting

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the modification detailing FRA's objection.

(d) *Disposition.* (1) If no comment objecting to the requested modification is received during the 60-day comment period, provided by paragraph (b) of this section, or if FRA does not issue a written objection to the requested modification, the modification will become effective 15 days after the close of the 60-day comment period.

(2) If an objection is raised by an interested party, during the 60-day comment period, or if FRA issues a written objection to the requested modification, the requested modification will be handled as follows:

(i) If FRA finds that the request complies with the requirements of this section and that the proposed modification is acceptable and justified, the request will be granted, normally within 90 days of its receipt. If the request for modification is neither granted nor denied within 90 days, the request remains pending for decision. FRA may attach special conditions to the approval of any request for modification. Following the approval of a request for modification, FRA may reopen consideration of the request for cause.

(ii) If FRA finds that the request does not comply with the requirements of this section and that the proposed modification is not acceptable or justified, the requested modification will be denied, normally within 90 days of its receipt.

(iii) When FRA grants or denies a request for modification, or reopens consideration of the request, written notice is sent to the requesting party and other interested parties.

[66 FR 39688, Aug. 1, 2001]

§ 232.309 Equipment and devices used to perform single car air brake tests.

(a) Equipment and devices used to perform single car air brake tests shall be tested for correct operation at least once each calendar day of use.

(b) Except for single car test devices, mechanical test devices such as pressure gauges, flow meters, orifices, etc. shall be calibrated once every 92 days.

(c) Electronic test devices shall be calibrated at least once every 365 days.

(d) Test equipment and single car test devices placed in service shall be tagged or labeled with the date its next calibration is due.

(e) Each single car test device shall be tested not less frequently than every 92 days after being placed in service and may not continue in service if more than one year has passed since its last 92-day test.

(f) Each single car test device shall be disassembled and cleaned not less frequently than every 365 days after being placed in service.

[66 FR 4193, Jan. 17, 2001, as amended at 66 FR 39689, Aug. 1, 2001]

Subpart E—End-of-Train Devices

§ 232.401 Scope.

This subpart contains the requirements related to the performance, operation, and testing of end-of-train devices. Unless expressly excepted in this subpart, the requirements of this subpart apply to all trains operating on track which is part of the general railroad system of transportation.

§ 232.403 Design standards for one-way end-of-train devices.

(a) *General.* A one-way end-of-train device shall be comprised of a rear-of-train unit (rear unit) located on the last car of a train and a front-of-train unit (front unit) located in the cab of the locomotive controlling the train.

(b) *Rear unit.* The rear unit shall be capable of determining the brake pipe pressure on the rear car and transmitting that information to the front unit for display to the locomotive engineer. The rear unit shall be—

(1) Capable of measuring the brake pipe pressure on the rear car with an accuracy of ± 3 pounds per square inch (psig) and brake pipe pressure variations of ± 1 psig;

(2) Equipped with a “bleeder valve” that permits the release of any air under pressure from the rear of train unit or the associated air hoses prior to detaching the rear unit from the brake pipe;

(3) Designed so that an internal failure will not cause an undesired emergency brake application;

(4) Equipped with either an air gauge or a means of visually displaying the