

(d) Each inspector, compliance inspector, and apprentice inspector shall demonstrate:

(1) The ability to read and comprehend written materials such as training and enforcement manuals, regulations, operating and safety rules of the railroad, and similar materials;

(2) The ability to compose narrative reports of investigative findings that are clear, complete, and grammatically acceptable;

(3) The ability to record data on standard report forms with a high degree of accuracy;

(4) The ability to communicate orally; and

(5) Basic knowledge of rail transportation functions, the organization of railroad, shipper, and manufacturer companies, and standard industry rules for personal safety.

(e) Each inspector shall demonstrate a thorough knowledge of:

(1) Railroad rules, practices, record systems, and terminology common to operating and maintenance functions; and

(2) The scope and major requirements of all of the Federal railroad safety laws and regulations.

(f) In addition to meeting the requirements of this section, each inspector and apprentice inspector shall meet the applicable requirements of §§ 212.203 through 212.229 of this subpart.

[47 FR 41051, Sept. 16, 1982, as amended at 57 FR 28115, June 24, 1992]

§ 212.203 Track inspector.

(a) The track inspector is required, at a minimum, to be able to conduct independent inspections of track structures for the purpose of determining compliance with the Track Safety Standards (49 CFR part 213), to make reports of those inspections, and to recommend the institution of enforcement actions when appropriate to promote compliance.

(b) The track inspector is required, at a minimum to have at least four years of recent experience in track construction or maintenance. A bachelor's degree in engineering or a related technical specialization may be substituted for two of the four years of this experience requirement and successful completion of the apprentice training pro-

gram may be substituted for the four years of this experience requirement.

(c) The track inspector shall demonstrate the following specific qualifications:

(1) A comprehensive knowledge of track nomenclature, track inspection techniques, track maintenance methods, and track equipment;

(2) The ability to understand and detect deviations from:

(i) Track maintenance standards accepted in the industry; and

(ii) The Track Safety Standards (49 CFR part 213).

(3) Knowledge of operating practices and vehicle/track interaction sufficient to understand the safety significance of deviations and combinations of deviations; and

(4) Specialized knowledge of the requirements of the Track Safety Standards, including the remedial action required to bring defective track into compliance with the standards.

§ 212.205 Apprentice track inspector.

(a) The apprentice track inspector must be enrolled in a program of training prescribed by the Associate Administrator leading to qualification as a track inspector. The apprentice track inspector may not participate in investigative and surveillance activities, except as an assistant to a qualified State or FRA inspector while accompanying that qualified inspector.

(b) An apprentice track inspector shall demonstrate basic knowledge of track inspection techniques, track maintenance methods, and track equipment prior to being enrolled in the program.

§ 212.207 Signal and train control inspector.

(a) The signal and train control inspector is required, at a minimum, to be able to conduct independent inspections of all types of signal and train control systems for the purpose of determining compliance with the Rules, Standards and Instructions for Railroad Signal Systems (49 CFR part 236), to make reports of those inspections, and to recommend the institution of enforcement actions when appropriate to promote compliance.

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(b) The signal and train inspector is required, at a minimum, to have at least four years of recent experience in signal construction or maintenance. A bachelor's degree in electrical engineering or a related technical specialization may be substituted for two of the four years of this experience requirement and successful completion of the apprentice training program may be substituted for the four years of this requirement.

(c) The signal and train control inspector shall demonstrate the following specific qualifications:

(1) A comprehensive knowledge of signal and train control systems, maintenance practices, test and inspection techniques;

(2) The ability to understand and detect deviations from:

(i) Signal and train control maintenance standards accepted in the industry; and

(ii) The Rules, Standards and Instructions for Railroad Signal Systems (49 CFR part 236).

(3) The ability to examine plans and records, to make inspections of signal train control systems and to determine adequacy of stopping distances from prescribed speeds;

(4) Knowledge of operating practices and signal systems sufficient to understand the safety significance of deviations and combination of deviations; and

(5) Specialized knowledge of the requirements of the Rules, Standards and Instructions for Railroad Signal Systems, including the remedial action required to bring signal and train control systems into compliance with the standards.

§ 212.209 Train control inspector.

(a) The train control inspector is required, at a minimum, to be able to conduct independent inspections of automatic cab signal, automatic train stop, and automatic train control devices on board locomotives for the purpose of determining compliance with subpart E of the Rules, Standards and Instructions for Railroad Signal Systems (49 CFR part 236) and to recommend the institution of enforcement action when appropriate to promote compliance.

(b) The train control inspector is required, at a minimum, to have at least four years of recent experience in locomotive construction or maintenance. A bachelor's degree in electrical engineering or a related technical specialization may be substituted for two of the four years of this experience requirement and successful completion of the apprentice training program may be substituted for the four year experience requirement.

(c) The train control inspector shall demonstrate the following specific qualifications:

(1) A comprehensive knowledge of the various train control systems used on board locomotives, locomotive air brake systems and test and inspection procedures;

(2) The ability to understand and detect deviations from:

(i) Train control maintenance standards accepted in the industry; and

(ii) Subpart E of the Rules, Standards and Instructions for Railroad Signal Systems (49 CFR part 236);

(3) Knowledge of operating practices and train control systems sufficient to understand the safety significance of deviations and combinations of deviations; and

(4) Specialized knowledge of the requirements of subpart E of the Rules, Standards and Instructions for Railroad Signal Systems, including the remedial action required to bring train control systems used on board locomotives into compliance with the standards.

§ 212.211 Apprentice signal and train control inspector.

(a) The apprentice signal and train control inspector must be enrolled in a program of training prescribed by the Associate Administrator leading to qualification as a signal and train control inspector. The apprentice inspector may not participate in the investigative and surveillance activities, except as an assistant to a qualified State or FRA inspector while accompanying that qualified inspector.

(b) Prior to being enrolled in the program the apprentice inspector shall demonstrate:

(1) Working knowledge of basic electricity and the ability to use electrical