

(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 program 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.

(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.