

crew emergency egress. Contact: Jeffrey Horn (202) 493-6283.

**Task 97-3—Developing event recorder data survivability standards.** This Task was accepted on June 24, 1997. On November 12, 2003, the RSAC gave consensus by ballot on the NPRM. The NPRM is currently in review at OMB with a target date for issuance of April 30, 2004. The National Transportation Safety Board noted the loss of data from event recorders in several accidents due to fire, water and mechanical damage. NTSB requested performance standards for data survivability. Contact: Edward Pritchard (202) 493-6247.

**Task 97-4 and Task 97-5—Defining Positive Train Control (PTC) functionalities, describing available technologies, evaluating costs and benefits of potential systems, and considering implementation opportunities and challenges, including demonstration and deployment.**

**Task 97-6—Revising various regulations to address the safety implications of processor-based signal and train control technologies, including communications-based operating systems.** These three tasks were accepted on September 30, 1997, and assigned to a single Working Group. (Report to the Administrator.) A Data and Implementation Task Force, formed to address issues such as assessment of costs and benefits and technical readiness, completed a report on the future of PTC systems. The report was accepted as RSAC's Report to the Administrator at the September 8, 1999, meeting. FRA enclosed the report with a letter Report to Congress signed May 17, 2000.

(Regulatory development.) The Standards Task Force, formed to develop PTC standards assisted in developing draft recommendations for performance-based standards for processor-based signal and train control systems. The NPRM was approved by consensus at the full RSAC meeting held on September 14, 2000. The NPRM was published in the **Federal Register** on August 10, 2001. A meeting of the Working Group was held December 4-6, 2001, in San Antonio, Texas to formulate recommendations for resolution of issues raised in the public comments. Agreement was reached on most issues raised in the comments. A meeting was held May 14-15, 2002, in Colorado Springs, Colorado at which the Working Group approved creation of teams to further explore issues related to the "base case" issue. Briefing of the full RSAC on the "base case" issue was completed on May 29, 2002, and

consultations continued within the working group. The full Working Group met October 22-23, 2002, and again March 4-6, 2003. Resolution of the remaining issues was considered by the Working Group at the July 8-9, 2003, meeting. The Working Group achieved consensus on recommendations for resolution of a portion of the issues in the proceeding. The full Committee considered the Working Group recommendations by mail ballots scheduled for return on August 14, 2003; however, a majority of the members voting did not concur. FRA has proceeded with preparation of a final rule, which is currently being reviewed in the Executive Branch. (Other program development activities.) Task forces on Human Factors and the Axiomatic Safety-Critical Assessment Process (risk assessment) continue to work toward development of a risk assessment toolkit, and the Working Group continues to meet to monitor the implementation of PTC and related projects. Contact: Grady Cothen (202) 493-6302.

**Task 00-1—Determining the need to amend regulations protecting persons who work on, under, or between rolling equipment and persons applying, removing or inspecting rear end marking devices (Blue Signal Protection).** The Working Group held its first meeting on October 16-18, 2000, and six meetings have been held since then. The Working Group significantly narrowed the issues, but did not reach full consensus on recommendations for regulatory action. The Administrator announced at the full RSAC meeting on December 2, 2003, that the task is withdrawn and the issue may be pursued at a later date. Contact: Doug Taylor (202) 493-6255.

**Task 03-01 Passenger Safety.** This Task was accepted May 20, 2003, and a Working Group was established. The Working Group held its first meeting September 9-10, 2003. At the second meeting held November 6-7, 2003, four task forces were established: mechanical; crashworthiness/glazing; emergency preparedness; and Track/Vehicle Interaction. Task forces to meet and report on activities for Working Group consideration at third meeting scheduled for May 11-12, 2004.

#### Completed Tasks

**Task 96-1—(Completed)** Revising the Freight Power Brake Regulations.

**Task 96-2—(Completed)** Reviewing and recommending revisions to the Track Safety Standards (49 CFR Part 213).

**Task 96-3—(Completed)** Reviewing and recommending revisions to the

Radio Standards and Procedures (49 CFR Part 220).

**Task 96-5—(Completed)** Reviewing and recommending revisions to Steam Locomotive Inspection Standards (49 CFR Part 230).

**Task 96-6—(Completed)** Reviewing and recommending revisions to miscellaneous aspects of the regulations addressing Locomotive Engineer Certification (49 CFR Part 240).

**Task 96-7—(Completed)** Developing Roadway Maintenance Machines (On-Track Equipment) Safety Standards.

**Task 96-8—(Completed)** This Planning Task evaluated the need for action responsive to recommendations contained in a report to Congress entitled, Locomotive Crashworthiness & Working Conditions.

**Task 97-7—(Completed)** Determining damages qualifying an event as a reportable train accident.

**Task 01-1—(Completed)** Developing conformity of FRA's regulations for accident/incident reporting (49 CFR Part 225) to revised regulations of the Occupational Safety and Health Administration (OSHA), U.S. Department of Labor, and to make appropriate revisions to the FRA Guide for Preparing Accident/Incident Reports (Reporting Guide).

Please refer to the notice published in the **Federal Register** on March 11, 1996, (61 FR 9740) for more information about the RSAC.

Issued in Washington, DC on April 26, 2004.

**Grady C. Cothen,**

*Acting Associate Administrator for Safety.*

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## DEPARTMENT OF TRANSPORTATION

### Federal Railroad Administration

#### Notice of Safety Advisory 2004-01

**AGENCY:** Federal Railroad Administration (FRA), DOT.

**ACTION:** Notice of safety advisory.

**SUMMARY:** The FRA is issuing Safety Advisory 2004-01 to address recommended safety practices and review existing requirements for the protection of roadway workers from traffic on adjacent tracks and to heighten awareness to prevent the inadvertent fouling of track when on-track safety is not provided.

**FOR FURTHER INFORMATION CONTACT:** Christopher F. Schulte, Specialist, Track Division, Office of Safety Assurance and Compliance, Federal Railroad Administration, U.S. Department of

Transportation, 1120 Vermont Avenue, NW., Washington, DC 20590. Telephone: 202-493-6251; or Cynthia Walters, Office of Chief Counsel, FRA 1129 Vermont Avenue, NW., Washington, DC 20590. Telephone: 202-493-6064.

#### SUPPLEMENTARY INFORMATION:

##### Background

The Roadway Worker Protection regulation ("regulation" "rule" or "roadway worker rule") (Subpart C of 49 CFR part 214) has proven to be an effective tool for reducing roadway worker fatalities. Since the regulation became effective in 1997, roadway worker fatalities have declined significantly. However, in 2003, there were five roadway worker fatalities, compared with one fatality in 1999. This suggests that more needs to be done to protect roadway workers. FRA believes that increased awareness by railroads, contractors to railroads, and their employees of certain dangers and how to avoid or minimize them may save lives.

From 1997 to the present, 20 fatalities have been attributed to non-compliance with the regulation. Ten of the 20 fatalities occurred when workers entered fouling space and were struck by a train or on-track equipment. Four of the 10 fatalities involved workers fouling adjacent track in error, while the remaining six have been categorized as involved workers fouling any track in error or fouling a track when unnecessary to perform work duties. This Safety Advisory addresses the circumstances involved in these ten fatalities-inadvertent fouling of tracks or fouling of tracks when unnecessary to perform work.

FRA and other members of the railroad industry have become increasingly concerned about these two categories of roadway worker fatalities. The regulation addresses the first category by requiring on-track safety protection through watchman/lookouts on adjacent track outside working limits for large-scale maintenance or construction (§ 214.335). Accordingly, working limits is an acceptable form of on-track safety for adjacent tracks. The second concern is also addressed in part by the regulation. It prohibits a roadway worker from fouling the track unless necessary for the performance of the worker's duty (§ 214.313(b)). The regulation also encourages heightened awareness among workers of their surroundings. See 61 FR 65966. In light of the number of recent roadway worker fatalities, FRA believes additional attention and emphasis needs to be

placed on worker protection in both situations cited above.

##### Protection of Workers on Adjacent Tracks

The concept of protecting roadway workers from the hazards of trains and other on-track equipment on adjacent tracks is an important element of the roadway worker rule. Section 214.335(c) of the rule requires that roadway work groups engaged in large-scale maintenance or construction be provided with train-approach warning for movements on adjacent tracks that are not included within working limits. As noted in the preamble of the rule, "this [P]aragraph c . . . details the conditions under which train approach warning must be used on adjacent tracks that are not within work limits. These are conditions in which the risk of distraction is significant, and which require measures to provide on-track safety on adjacent track." See 61 FR 65971. Although "large-scale construction or maintenance" is not specifically defined in the regulation, FRA quoted approvingly from a recommendation issued by the Federal Roadway Worker Advisory Committee. That committee described large-scale activities as those including "track maintenance and/or renovation, such as but not limited to, rail and tie gangs, production in-track welding, ballast distribution, and undercutting." See 61 FR 65971.

Although FRA focused on "large-scale" activities as those that can be distracting to the roadway worker, other activities that are not necessarily "large-scale," also may have the potential to be distracting. Maintenance-of-way work has become increasingly mechanized—inspection, light maintenance, or emergency repairs are often accomplished by work crews consisting of a small number of individuals. Such activities where workers are preoccupied, distracted by noise, or drawn away from the zone of protection by their project-related duties may make it more likely that roadway workers and roadway maintenance machines will foul the adjacent track and possibly be struck by approaching or passing trains.

The difficulty in determining when certain types of work should be classified as "large-scale" and the concern for potentially unsafe small-scale activities has prompted rail labor to request a regulation change mandating on-track safety for all roadway work groups on adjacent track, regardless of the scope of the work. Although FRA has decided not to pursue a regulation change at this time, FRA believes it may be prudent for

railroads and contractors to evaluate, on a case-by-case basis, whether work has the potential to foul or intrude on the adjacent track and consider protecting such work, even when the work would not be considered "large-scale."

##### On-Track Safety on Adjacent Track

The roadway worker rule established requirements addressing on-track safety on adjacent track. A brief review of such existing requirements follows. Roadway work groups can utilize train-approach warning (§ 214.329) and working limits (§ 214.319). When using train-approach warning, the watchman/lookout "shall be provided by the employer with the equipment necessary for compliance with the on-track safety duties which the watchman/lookout will perform." (§ 214.329(g)). Watchmen/lookouts shall be properly equipped to provide visual and auditory warning such as whistle, air horn, white disk, red flag, lantern, fusee (§ 214.7). This section further imposes a duty upon the employer to provide the watchman/lookout employee with the requisite equipment necessary to carry out his on-track safety duties.

When using working limits, the roadway worker in charge of the working limits has the authority to actually direct train movement on the adjacent track. For controlled track, trains or on-track equipment can only move through the working limits at restricted speed or a speed determined suitable for the situation by the roadway worker in charge (§ 214.321(d)). For non-controlled track, trains and on-track equipment may only move at restricted speed (§ 214.327). If working limits are established for an adjacent track, it is important to consider the risks that remain when trains are permitted to pass through. Any maintenance or construction activity that has the potential to intrude onto the track must cease before trains are permitted to pass through working limits on adjacent track. Otherwise, any work that may cause an employee to foul the adjacent track would be unprotected. Based on the foregoing, railroads should have detailed procedures for directing trains through adjacent working limits, including a requirement mandating that further activity will not cause workers or equipment to foul the adjacent track. However, train-approach warning must be provided if further work is performed that may result in workers intruding into an adjacent track after a train is directed through.

##### Inadvertent Fouling

The concept of not fouling the track unless necessary for the performance of

duties is a core element of the regulation. This concept has been codified in § 214.313, which addresses the responsibility of individual roadway workers and imposes specific requirements on individual roadway workers. It is imperative that roadway workers comply with § 214.313 and refrain from purposefully encroaching on the fouling space, unless absolutely necessary to perform their duties. Compliance with this requirement prohibits walking in the fouling space after work is complete and requires that roadway workers remain alert at all times. As long as roadway workers are moving about the right-of-way under traffic (even if their work has been completed), there is a continuous risk of being struck by a train or maintenance-of-way equipment. We note that this section also imposes on each roadway worker the responsibility to ascertain that on-track safety is being provided before fouling a track, and provides the worker with the right to refuse any directive to violate an on-track safety rule.

A second critically important concept involves lone workers using individual train detection as their method of on-track safety. Individual train detection is only appropriate in limited circumstances, as outlined in § 214.337. It is not an appropriate form of on-track safety where there is a risk of distraction that may prevent the lone worker from being in a heightened state of awareness. Workers are more likely to inadvertently step into the fouling space when they are engrossed in their duties or are using individual train detection in locations that are inappropriate due to the geography or current physical conditions.

FRA believes that the focus on heightened awareness appears to have deteriorated, causing increased occurrences of inadvertent and careless fouling of the track. As noted above, FRA's fatality data attribute six fatalities in the past seven years to roadway workers mistakenly stepping into the fouling space, directly into the path of a train.

FRA realizes that throughout the course of a workday, roadway workers need to cross tracks and do so safely, since even tracks protected by a form of on-track safety can be dangerous. However, the roadway worker rule clearly prohibits unnecessary fouling and, by emphasizing roadway worker awareness, attempted to prevent careless and inadvertent encroachment of the fouling space.

To further enhance safety, it is suggested that railroads and contractors to railroads install and utilize, as

appropriate, rotation stops on roadway maintenance machines to prevent equipment from inadvertently fouling adjacent tracks.

#### Recommended Action

It is important to note that, like many FRA railroad safety standards, the roadway worker regulation merely prescribes minimum standards. Railroads and railroad contractors are free to prescribe additional or more-stringent standards consistent with the rule. (§ 214.301(b)).

FRA recommends that railroads and contractors to railroads develop and implement basic risk assessment procedures for use by roadway workers to determine the likelihood of adjacent track intrusion prior to initiating work activities (whether large-scale or small-scale activities). For example, if the work can be conducted by individuals positioned between the rails of a protected track, they would not foul an adjacent track. Likewise, light work where there is a structure between the tracks to prevent intrusion might be safely conducted without adjacent track protection. Examples would include a fence between the tracks at a passenger train station and the tall beam of a through-plate girder bridge.

Work that requires employees to be on the field side of the protected track toward an adjacent track would have a much greater likelihood to foul that adjacent track. Under these circumstances, it is necessary to consider the nature of the work and the track-center distance. While the roadway worker regulation specifies a 25-foot center that triggers mandatory adjacent track protection for large-scale work, this number can serve as a guide when conducting a risk assessment for activities with minimal intrusion potential. For example, when a small crew is working and the activity requires an employee to be in a position between the tracks, it would be wise to determine which particular track-center distance would be safe. This determination will help to ensure that the adjacent track would not be fouled if a worker were to inadvertently trip and fall. Other risk factors to consider would be the nature of the work (inspection or repair), sight distances, and the speed of trains on the adjacent track. Upon completion of an on-site risk assessment, the on-track safety briefing required by § 214.315(a) is perhaps the ideal instrument to implement preventive measures concerning adjacent tracks.

In addition to the above recommendation concerning basic risk assessment, FRA is recommending that

railroads and contractors to railroads consider taking the following actions:

- Use of working limits for activities where equipment could foul adjacent track (whether large-scale or small-scale activities);
- Use rotation stops to mitigate the dangers associated with on-track equipment and trains passing on adjacent tracks;
- Review procedures for directing trains through adjacent track working limits, and enhance such procedures when necessary;
- Install adjacent track warning signs/devices in the operating cab of on-track machines to remind roadway maintenance machine operators to not inadvertently depart the equipment onto a track where there may be trains and other on-track equipment passing;
- Provide additional training and monitoring to its employees, emphasizing the need to cross tracks in a safe manner (*i.e.*, single file and after looking in both directions);
- Reinforce to individual roadway workers that it is critical not to foul a track except in the performance of duty and only when on-track safety has been established. This training could be accomplished through training sessions, as well as daily job briefings; and
- Institute peer-intervention measures by which workers are encouraged to intervene when observing another roadway worker engaging in potentially noncompliant and unsafe activity.

Railroads are also reminded that it is necessary to provide appropriate warning equipment to watchmen/lookouts to enable them to effectively warning of approaching trains. Such equipment includes whistles, air horns, white disks, red flags, lanterns, and fuseses (§ 214.7).

Issued in Washington, DC, on April 27, 2004.

**Grady Cothen,**

*Acting Associate Administrator for Safety.*

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## DEPARTMENT OF THE TREASURY

### Internal Revenue Service

#### Proposed Collection; Comment Request for Form 1065, Schedule D, and Schedule K-1

**AGENCY:** Internal Revenue Service (IRS), Treasury.

**ACTION:** Notice and request for comments.

**SUMMARY:** The Department of the Treasury, as part of its continuing effort