



Railroad Safety Advisory Committee



Task No. 13-02 : Hazardous Materials Issues Working Group

to the

49th Railroad Safety Advisory Committee Meeting

August 29, 2013
Washington, DC



Overview



- Purpose
- Description
- Issues requiring special report
- Other issues



Purpose



1. To re-evaluate the FRA Emergency Order 28 Appendix A and consider revised criteria that reflect the appropriate types and quantities of hazardous materials carried by a train that warrant special handling and operational controls.

2. To ensure that handling and operational controls are in place regarding;
 - classification of hazardous materials,
 - identification,
 - movement,
 - route planning,
 - attendance, or
 - other recommended handling measure or operational control of trains and vehicles transporting hazardous materials.



Description



Review:

- 49 CFR Part 174
- 49 CFR Part 173 subpart D
- 49 CFR Part 172 subparts C, D, H, and I
- FRA Emergency Order No. 28, Notice No. 1
- Guidance on EO28
- Safety Advisory 2013-06
- Association of American Railroads Circular NO. OT-55-N



Issues requiring specific report



Issue 1

- Identifying criteria reflecting the types and quantities of hazardous materials which are recommended to be required to comply with any special handling requirements or operational controls, including requirements that may be recommended as a result of this task, or Task Nos. 13-03 or 13-05.

Considerations

- Number of cars in a train
- Classes/divisions of materials
- Residue vs. load



Issues requiring specific report



Issue 2

- Requirements of marking of tank cars, training of personnel, and information required on shipping papers, in addition to those contained in 49 CFR part 172 subparts D, H, and C, for trains for which special handling and/or operational controls are proposed.

Considerations

- Marking for ease of identification by crew
- Prescriptive function specific training
- Designation on shipping papers



Issues requiring specific report



Issue 3

- Special handling requirements and/or operational controls for trains or vehicles meeting the criteria identified as requiring special handling and/or operational controls as a result of this task.

Considerations

- wayside defect detectors,
 - after arrival orders and track authorities,
 - crew qualifications related to emergency response activities
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Issues requiring specific report



Issue 4

- Expand the applicability of Part 172 subpart I, to require rail transportation route analysis and security plans for trains or vehicles meeting the criteria identified as requiring special handling and/or operational controls as a result of this task.

Consideration

- Require route analysis for unit trains
- Attendance requirements for certain materials and locations.



Issues requiring specific report



Issue 5

- Accurate, efficient, and proper frequency of hazardous material testing and classification of flammable liquids, including crude oil and ethanol prior to filling/loading of rail tank cars.

Consideration

- Establish requirement for testing
- Frequency of tests



Other Issues

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- Notify task nos. 13-03 and 13-05 of the recommended hazmat recommended to comply with special handling requirements or operational controls, as well as any recommendations to PHMSA for changes to the HMR affecting the handling of placarded tank cars.
 - Evaluate the risks of leaving trains or vehicles meeting the criteria identified as requiring special handling and/or operational controls unattended and report the results to task no. 13-03.
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FRA Regulatory Activity Update



Questions?