

MAP-21 Screening Process for PHMSA's Hazardous Materials Emergency Preparedness Grant Program On-Line Training

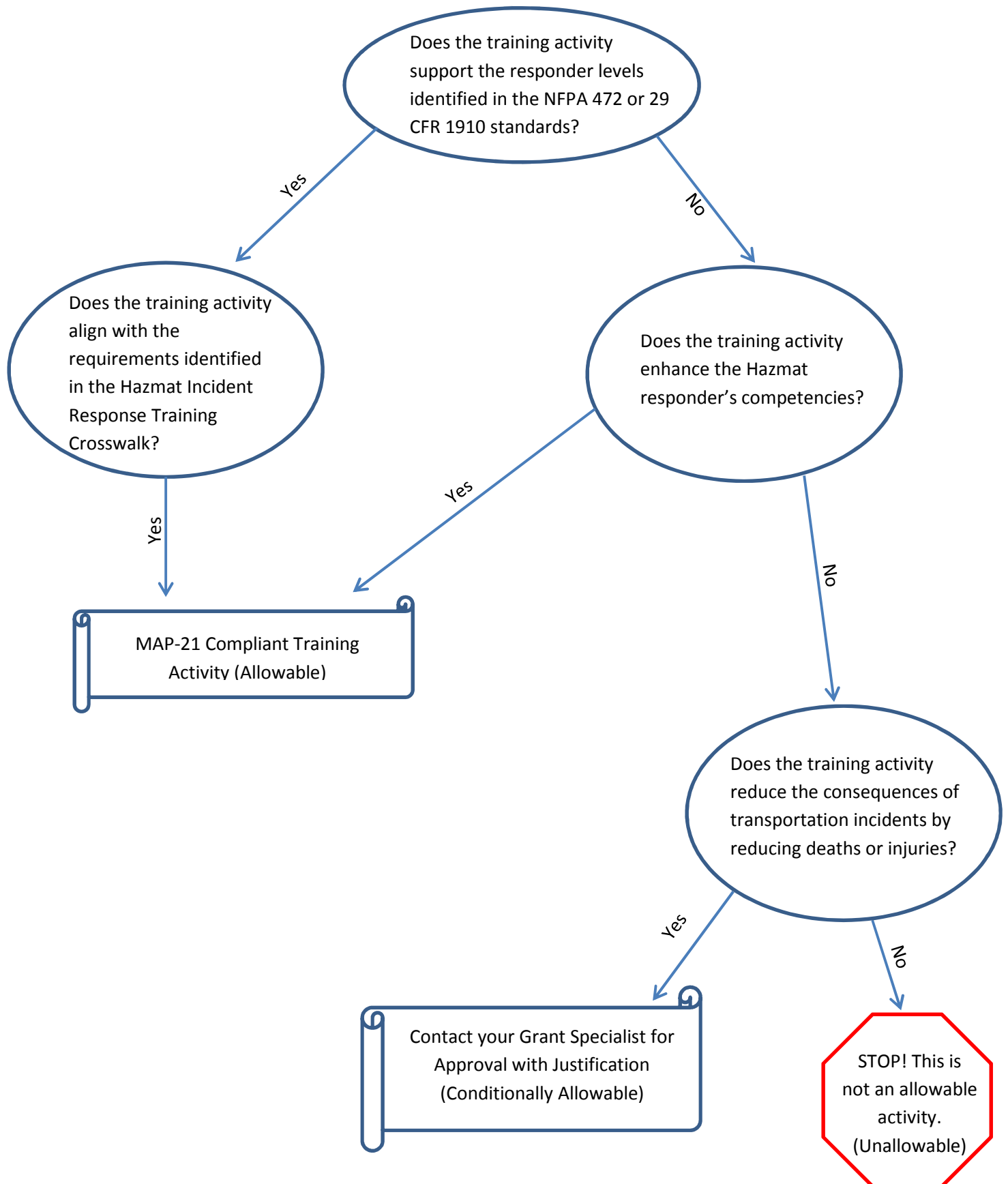
On July 6, 2012, President Obama signed into law a new two year transportation reauthorization bill, the Moving Ahead for Progress in the 21st Century Act ("MAP-21"; P.L. 112-141). This new law includes many important provisions intended to help the Pipeline and Hazardous Materials Safety Administration (PHMSA) in its important mission to protect people and the environment from the risks inherent in the transportation of hazardous materials and other modes of transportation. One provision in MAP-21 includes Section § 33004(b)(1) which requires recipients of Hazardous Materials Emergency Preparedness (HMEP) Grants to provide written certification that emergency responders who receive training under the grant will have the ability to respond to effects of accidents or incidents involving the transportation of hazardous material in accordance with existing regulations or National Fire Protection Association (NFPA '472) standards. As a result of the new MAP-21 language, 49 U.S. Code (USC) § 5116(b)(1), pertaining to monitoring and reviewing training grants, was revised to include the certification requirement.

To facilitate this process PHMSA is implementing an online training program that ensures that grantees are using grant funds to train in accordance with existing regulations or NFPA '472 standard.

The following flowchart and process information is the basis for the process identified in the online training. This document is provided to ensure that grantees are provided a systematic and consistent way to determine if training activities will meet the new requirements in 49 USC § 5116(b)(1), and therefore be allowable grant funded activities.

An "Allowable" training activity below is a PHMSA-approved activity that meets existing regulations in 29 CFR § 1910.120(q)(6) or NFPA standards for competence of responders to accidents and incidents involving hazardous materials and aligns with the goals and objectives of the HMEP grant program and PHMSA funding priorities. A "Conditionally Allowable" training activity would require additional justification and approval of the PHMSA grant program staff. The final category depicted in the flow chart below would be "Unallowable" and would not be an approved PHMSA grant funded activity under current statutes and regulations.

MAP-21 Screening Process for PHMSA Grant Funded Training Activities



Hazmat Incident Response Training Crosswalk

Hazmat Incident Response Training	29CFR1910.120q__, (July 1, 2013 Edition)	NFPA 472, Chapter/Section: (2013 Edition)
1 st Responder Awareness Level	<p>6(i)– “...shall have sufficient training or have had sufficient experience...”</p> <p>(A) Understanding of what hazardous substances are & risks associated with them at an incident; (B) Understanding of potential outcomes associated with an emergency created when haz substances are present; (C) Ability to recognize presence of hazardous substances in an emergency; (D) Ability to ID hazardous substances, if possible; (E) Understanding of the 1st Responder Awareness individual’s role in the employer’s emergency response plan, including site security & control and the U.S. DOT’s ERG; (F) Ability to realize the need for additional resources and to make appropriate notifications to the communication center.</p>	<p>No time/experience requirements listed</p> <p>4.1- General (2 subareas) 4.2- Competencies – Analyzing the Incident (3 subareas) 4.3- Competencies – Planning the Response (<i>No competencies currently required at this level</i>) 4.4- Competencies – Implementing the Planned Response (2 subareas) 4.5- Competencies – Evaluating Progress (<i>No competencies currently required at this level</i>) 4.6- Competencies – Terminating the Incident (<i>No competencies currently required at this level</i>)</p>
1 st Responder Operations Level 1 st Responder Operations Level	<p>6(ii)– “...shall have received at least eight hours of training or have had sufficient experience...”</p> <p>(A) Knowledge of the basic hazard and risk assessment techniques; (B) Know how to select/and use proper Personal Protective Equipment (PPE) provided to the first responder operational level; (C) An understanding of basic hazardous materials terms; (D) Know how to perform basic control, containment</p>	<p>No time/experience requirements listed</p> <p>5.1- General (2 subareas) 5.2- Core Competencies – Analyzing the Incident (4 subareas) 5.3- Core Competencies – Planning the Response (4 subareas) 5.4- Core Competencies – Implementing the Planned Response (4 subareas) 5.5- Core Competencies – Evaluating Progress (2 subareas) 5.6- Core Competencies – Terminating</p>

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(Cont.)	and/or confinement ops within the capabilities of the resources and PPE available with their unit; (E) Know how to implement basic decontamination procedures; (F) An understanding of the relevant SOPs and termination procedures.	the Incident (<i>No competencies currently required at this level</i>) NOTE: Chapter 6 details Competencies for Operations Level Responders <i>Assigned Mission-Specific Responsibilities</i> ; seven of the nine listed competencies apply to transportation-related hazmat incidents
Hazardous Materials Technicians	6(iii)- "...shall have received at least 24 hours of training equal to the First Responder level and in addition have competency in..." (A) Know how to implement the employer's emergency response plan; (B) Know the classification, identification and verification of known and unknown materials by using field survey instruments and equipment; (C) Be able to function within an assigned role in the Incident Command System; (D) Know how to select and use proper specialized chemical PPE provided to the hazmat technician; (E) Understand hazard and risk assessment techniques; (F) Be able to perform advanced control, containment, and/or confinement operations within the capabilities of the resources and PPE available with the unit; (G) Understand and implement decontamination procedures; (H) Understand termination procedures; (I) Understand basic chemical and toxicological terminology and behavior.	No time/experience requirements listed 7.1- General (2 subareas) 7.2- Competencies – Analyzing the Incident (5 subareas) 7.3- Competencies – Planning the Response (5 subareas) 7.4- Competencies – Implementing the Planned Response (5 subareas) 7.5- Competencies – Evaluating Progress (2 subareas) 7.6- Competencies – Terminating the Incident (3 subareas) NOTE: Chapters 12 -17 detail competencies for Hazmat Technicians with a designated tank/container or product specialty. Chapter 18 details competencies for Hazmat Technicians with a Radioactive Material specialty.
Hazardous Materials Technicians (Cont)		

Hazmat Incident Response Training	29CFR1910.120q__, (July 1, 2013 Edition)	NFPA 472, Chapter/Section: (2013 Edition)
Hazmat Specialist Employees (Cont)		<p>Response (5 subareas) 9.3.4- Competencies – Implementing the Planned Response (2 subareas) 9.3.5- Competencies – Evaluating Progress (2 subareas)</p> <p><u>Specialist Employee A:</u> “...that person who is specifically trained to handle incidents involving chemicals or containers for chemicals used in the organization’s area of specialization, and...” “...shall be trained to meet all competencies at the Awareness level relative to the organization’s area of specialization, all competencies at the specialist employee C level, and all competencies at the hazmat technician level relative to the hazmat and containers used in the organization’s area of specialization.” 9.4- Specialist Employee A 9.4.1- General (2 subareas) 9.4.2- Competencies – Analyzing, Planning, Implementing and Evaluating</p>
Incident Commanders Incident Commanders (Cont)	<p>6(v)- “...shall receive at least 24 hours of training equal to the first responder operations level and in addition have...”</p> <p>(A) Know and be able to implement the employer's incident command system; (B) Know how to implement the employer's emergency response plan; (C) Know and understand the hazards and risks associated with employees working in chemical</p>	<p>No time/experience requirements listed.</p> <p>“...shall be trained to meet all competencies at the Awareness level, all core competencies at the Operations level, and all competencies in this chapter.”</p> <p>8.1- General (2 subareas) 8.2- Competencies – Analyzing the Incident (2 subareas) 8.3- Competencies – Planning the Response (4 subareas)</p>

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		<p>to ensure that recognized hazmat safe practices are followed at hazmat incidents.”</p> <p>“...shall be trained to meet all competencies at the Awareness level, all core competencies at the Operations level, all competencies at the Technician level, and all competencies of this chapter.”</p> <p>“...shall also receive training to meet governmental response and occupational health and safety regulations.”</p> <p>11.1- General (2 subareas) 11.2- Competencies – Analyzing the Incident (6 subareas) 11.3- Competencies – Planning the Response (7 subareas) 11.4- Competencies – Implementing the Planned Response (8 subareas) 11.5- Competencies – Evaluating Progress (2 subareas) 11.6- Competencies – Terminating the Response (3 subareas)</p>
Trainers	<p>7. “Trainers who teach... shall have satisfactorily completed a training course for teaching the subjects they are expected to teach, such as the courses offered by the National Fire Academy, or they shall have the training and/or academic credentials and instructional experience necessary to demonstrate competent instructional skills and a good command of the subject matter of the courses they are to teach.”</p>	Not addressed in NFPA 472.

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Refresher Training	<p>8(i)- "...employees... trained in accordance with paragraph (q)(6) of this section shall receive annual refresher training of sufficient content and duration to maintain their competencies, or shall demonstrate competency in those areas at least yearly."</p> <p>8(ii)- "A statement shall be made of the training or competency, and if a statement of competency is made, the employer shall keep a record of the methodology used to demonstrate competency."</p>	Not addressed in NFPA 472.

References

1. MAP-21, Section 33004, Training for Emergency Responders, subparagraph (b) states:

“SEC. 33004. TRAINING FOR EMERGENCY RESPONDERS.

(1) in subsection (b)(1), by adding at the end the following: “To the extent that a grant is used to train emergency responders, the State or Indian tribe shall provide written certification to the Secretary that the emergency responders who receive training under the grant will have the ability to protect nearby persons, property, and the environment from the effects of accidents or incidents involving the transportation of hazardous material in accordance with existing regulations **or** National Fire Protection Association standards for competence of responders to accidents and incidents involving hazardous materials.”

2. PHMSA’s MAP-21 Implementation for Hazmat Grant Program, July 11th 2013
3. 49 U.S.C Section 5116 – Planning and training grants, monitoring and review
(b) Training Grants
 1. The Secretary shall make grants to State and Indian tribes to train public sector employees to respond to accidents and incidents involving hazardous material. To the extent that a grant is used to train emergency responders, the State or Indian tribe shall provide written certification to the Secretary that the emergency responders who receive training under the grant will have the ability to protect nearby persons, property and the environment from the effects of accident or incident involving the transportation of hazardous material in accordance with existing regulations or National Fire Protection Association standards for competence of responders to accidents and incidents involving hazardous materials.
4. NFPA 472, 2013 Edition
5. 29CFR1910.120q, July 1, 2013 Edition