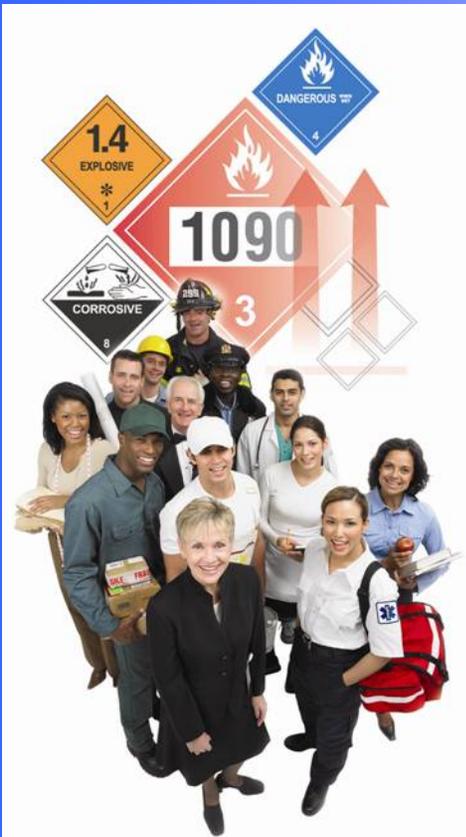




U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

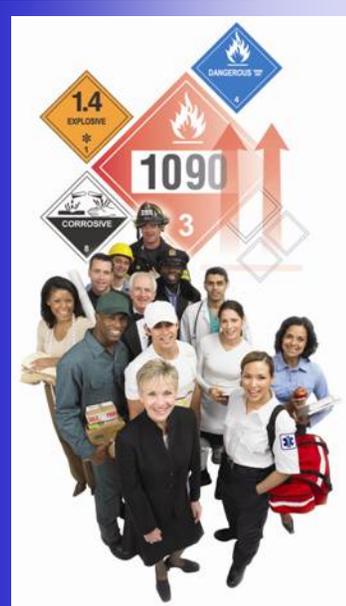


Hazardous Materials Transportation Training Requirements



U.S. Department
of Transportation

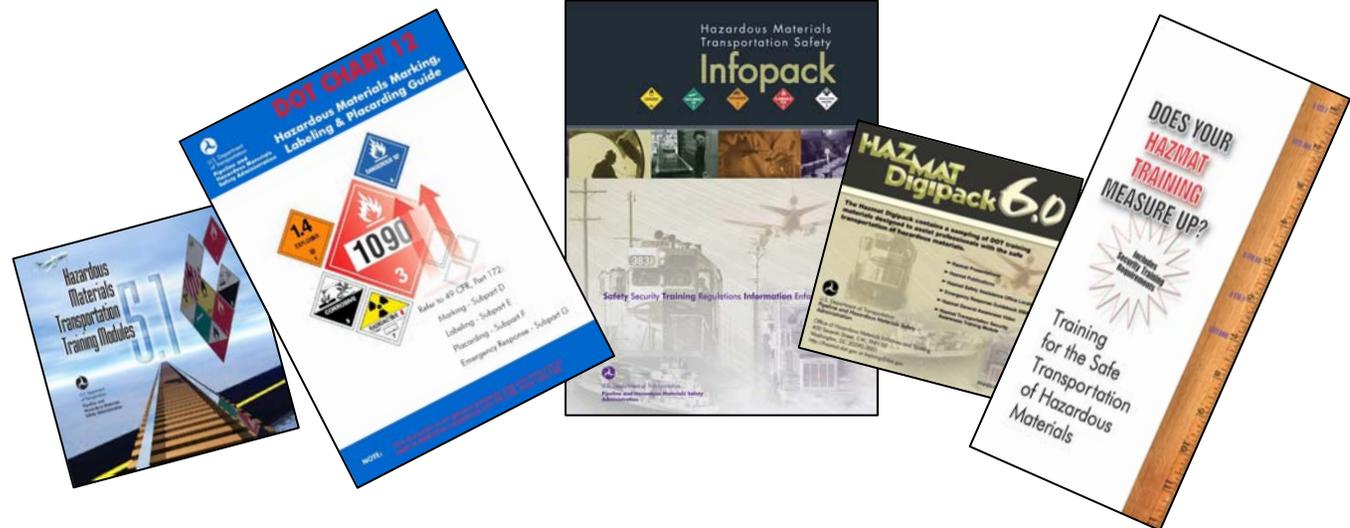
Pipeline and
Hazardous Materials
Safety Administration



HMR Training
Requirements

Objectives

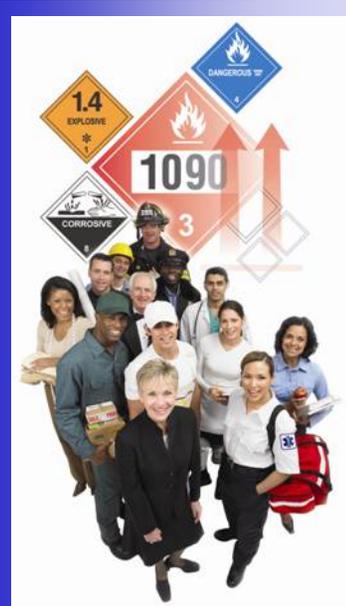
- Provide overview of training requirements found in the HMR
- Identify available training resources





U.S. Department
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Safety Administration



HMR Training
Requirements

It's the Law

**The Federal
hazardous
materials
transportation
law requires
training of all
hazmat
employees.**



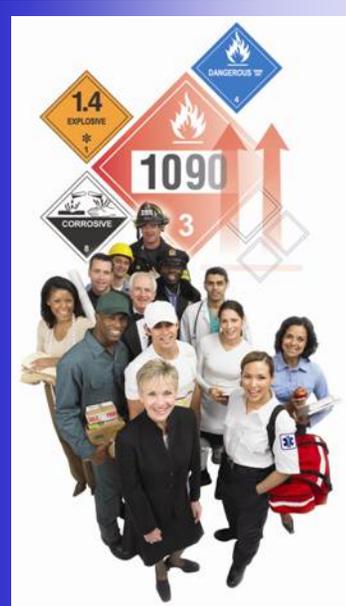
U.S. Senate Photo

49 U.S.C. Section 5107



U.S. Department
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Safety Administration



HMR Training
Requirements

Training Requirements

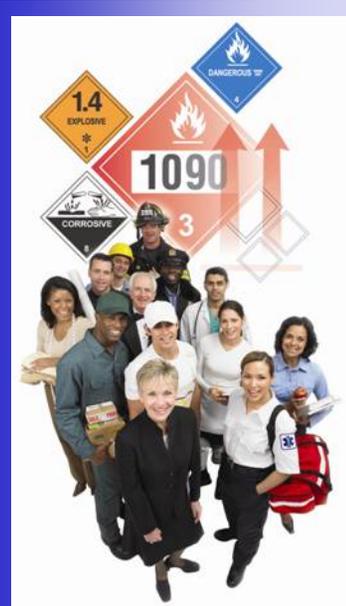
**HMR training requirements
are found in 49 CFR,
Part 172, Subpart H**





U.S. Department
of Transportation

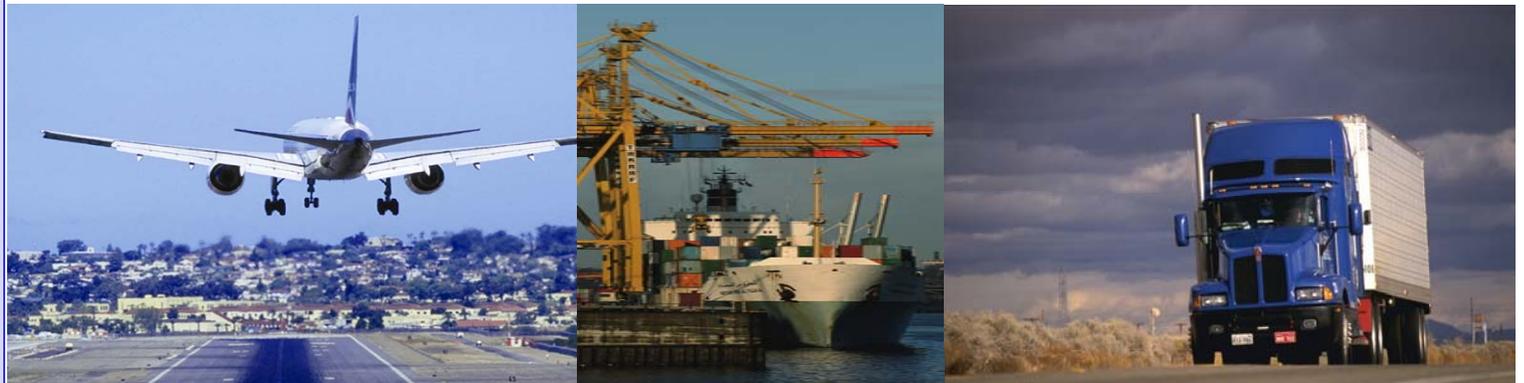
Pipeline and
Hazardous Materials
Safety Administration



HMR Training
Requirements

Additional Modal Training Requirements

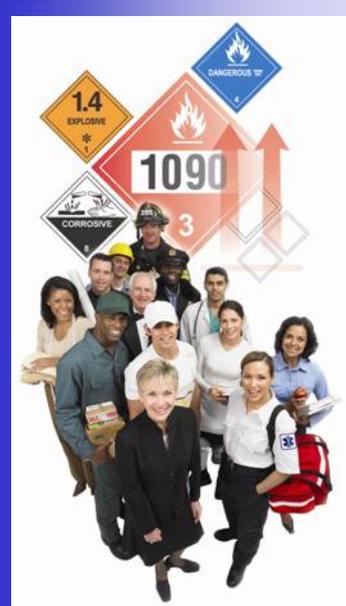
- **Air - §175.20**
- **Highway - §177.800 and §177.816**
- **Vessel - §176.13**





U.S. Department
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Pipeline and
Hazardous Materials
Safety Administration



HMR Training
Requirements

US DOT vs. State Requirements

**States may impose
more stringent
training requirements
on *motor vehicle
drivers* as long as:**

- Those requirements do not conflict with the HMR and
- Only apply to *drivers* domiciled in that state



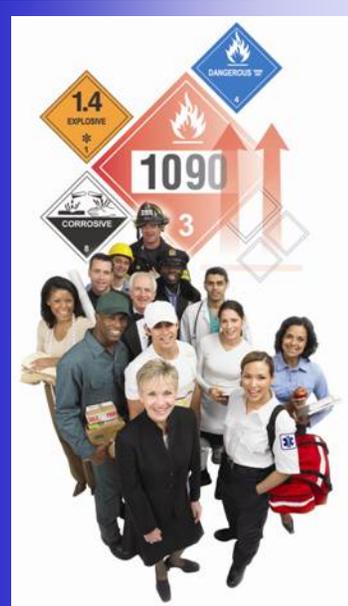
DOE Photo

§172.701



U.S. Department
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Safety Administration



HMR Training
Requirements

What is DOT hazmat training?

Training...means a systematic program that ensures hazmat employees are:

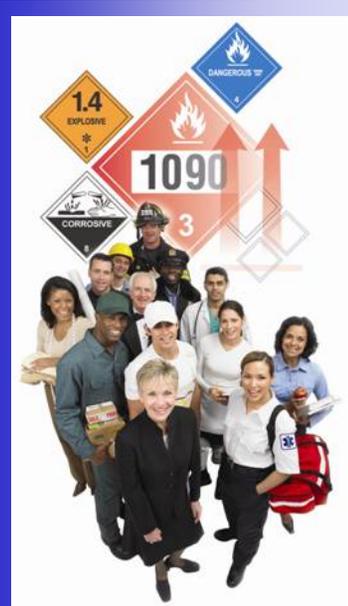
- Familiar with the general provisions of Subchapter C
- Able to recognize and identify hazardous materials
- Knowledgeable of specific requirements of Subchapter C applicable to functions performed by the employee, and
- Knowledgeable of emergency response information, self-protection measures, and accident prevention methods and procedures

§172.700(b)



U.S. Department
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Safety Administration



HMR Training
Requirements

Applicability & Responsibility

A hazmat employer shall ensure that each of his or her hazmat employees is trained.

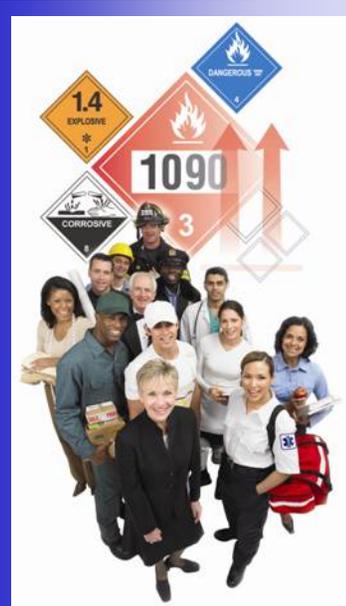
The responsibility for training (and the civil penalties for not training) rests with the employer.

§172.702(a)



U.S. Department
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Pipeline and
Hazardous Materials
Safety Administration



HMR Training
Requirements

Hazmat Employee

A person who is:

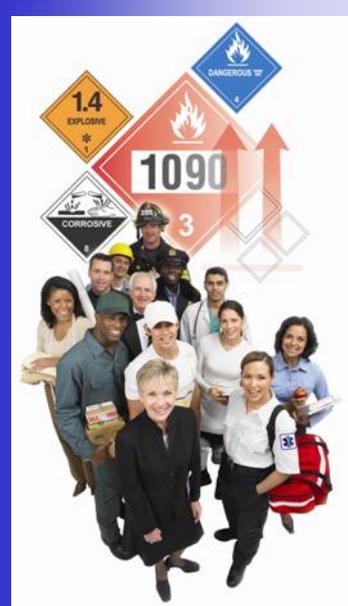
- **Employed full-time, part time, or temporarily**
- **Directly affecting hazmat transportation safety**
- **Self-employed**
- **A railroad signalman or maintenance-of-way employee**

§171.8



U.S. Department
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HMR Training
Requirements

Hazmat Employee (cont'd)

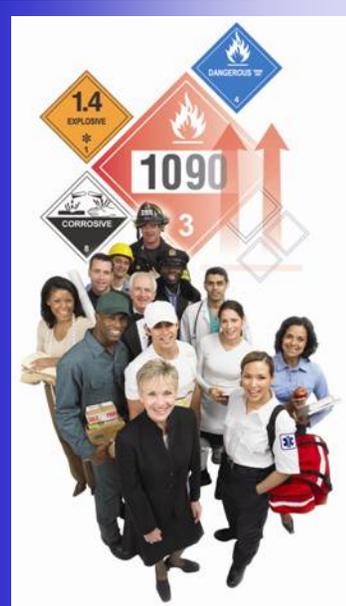
A person who:

- **Loads, unloads or handles hazmat**
- **Designs, manufactures, inspects, marks, tests, or reconditions containers**
- **Prepares hazmat for transportation**
- **Operates a transport vehicle**



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HMR Training
Requirements

Training Requirements

Hazmat employee training must include:

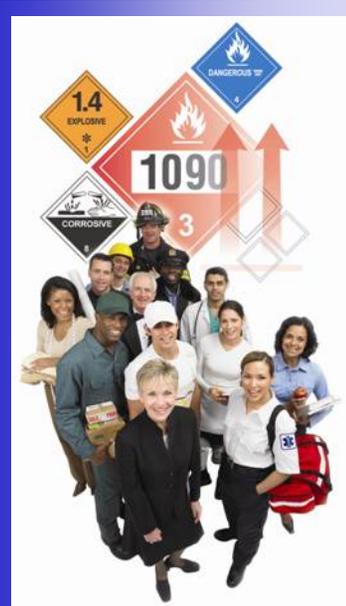
- **General awareness / familiarization training**
- **Function-specific training**
- **Safety training**
- **Security awareness training**
- **In-depth security training (when applicable)**

§172.704(a)



U.S. Department
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Safety Administration



HMR Training
Requirements

General Awareness and Familiarization

Designed to:

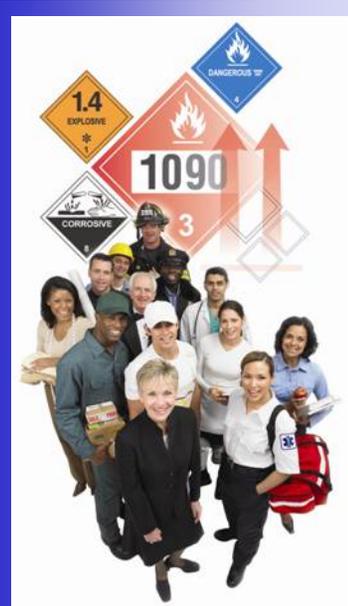
- Provide familiarity with the requirements of the HMR**
- Enable hazmat employees to recognize and identify hazardous materials using the hazard communication standards**

§172.704(a)(1)



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HMR Training
Requirements

Function-Specific

Function-specific training:

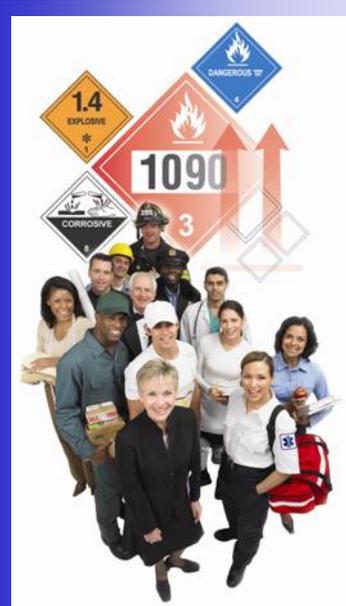
- **Specific to the functions employee performs**
- **Meets requirements of Subchapter C, or special permits issued under subchapter A**

§172.704(a)(2)(i)



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Hazardous Materials
Safety Administration



HMR Training
Requirements

Safety Training

Safety training must cover:

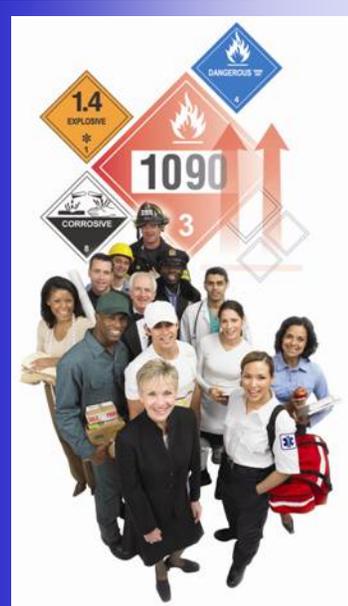
- Emergency response information**
- Measures to protect the employee from the hazards associated with exposure to hazmat**
- Methods and procedures for avoiding accidents**

§172.704(a)(3)



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HMR Training
Requirements

Security Awareness

Security awareness training must provide:

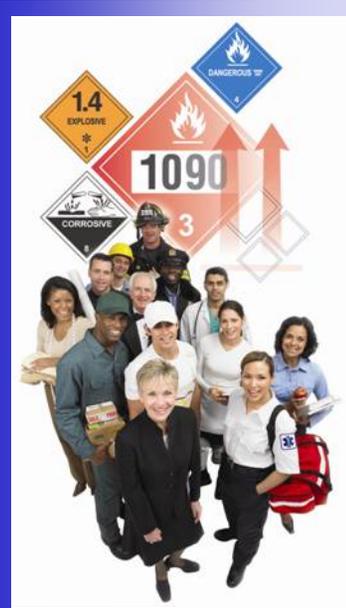
- **Awareness of security risks associated with hazmat transportation**
- **Methods to enhance transportation security**
- **How to recognize and respond to possible security threats**

§172.704(a)(4)



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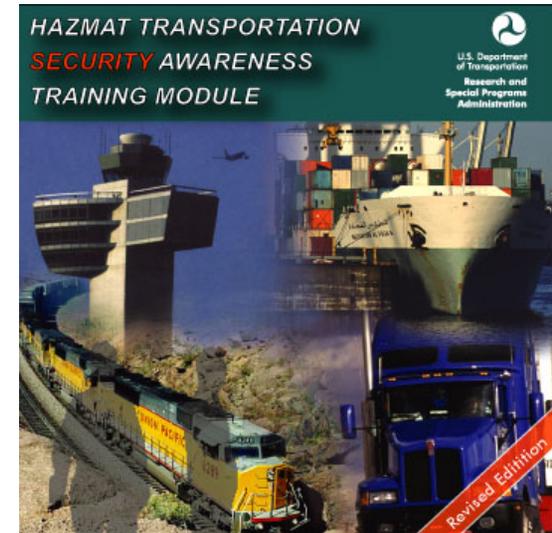


HMR Training
Requirements

Security Awareness (cont'd)

Hazardous Materials Transportation Security Awareness Training Module

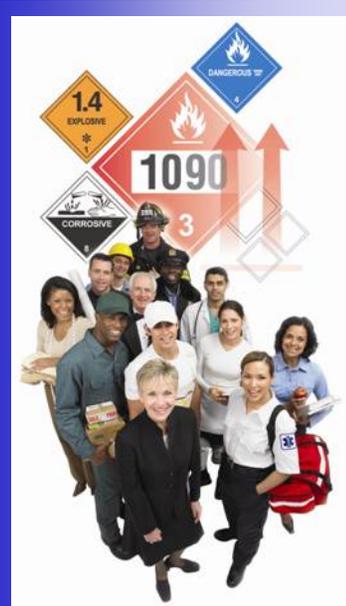
- Satisfies HMR security awareness training requirement
- Provides overview of hazmat transportation security issues
- Helps identify and address security risks





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Safety Administration



HMR Training
Requirements

In-Depth Security Training

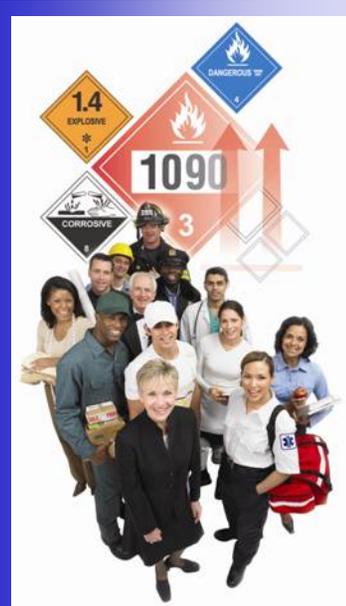
- **Required for each hazmat employee of an employer required to have a security plan.**
- **In-Depth Training must include:**
 - **Company security objectives**
 - **Specific security procedures**
 - **Actions to take in the event of a security breach**
 - **Employee responsibilities**
 - **Company organizational security structure**

§172.704(a)(5)



U.S. Department
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HMR Training
Requirements

Training Source

**Training may be provided by
the employer or other public
or private sources.**



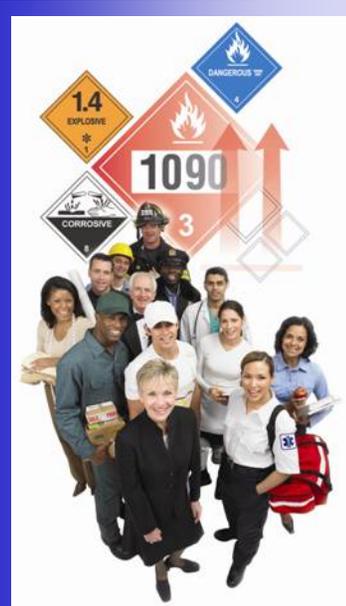
DOT/PHMSA Photo

§172.702(c)



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HMR Training
Requirements

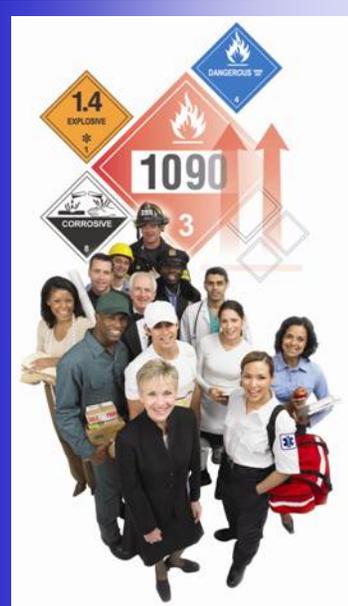
Training Source

- **DOT does not *approve, endorse, or certify* anyone's training program or product.**
- **The hazmat employer *certifies* that a hazmat employee has been trained.**
- **The FAA does approve the internal hazmat training program of air carriers.**



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Safety Administration



HMR Training
Requirements

Testing

Each hazmat employer must ensure that every hazmat employee is tested on the required training subjects.

The HMR does not set testing methods or standards. The responsibility is on the hazmat employer.

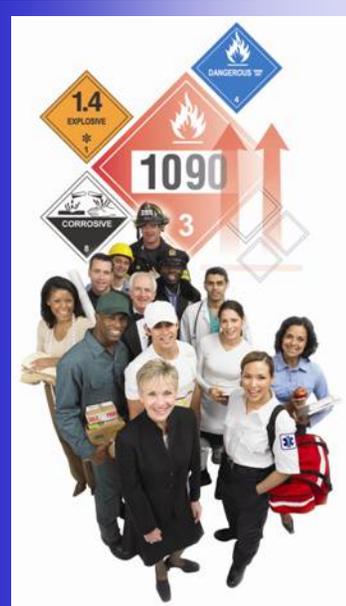


DOT/PHMSA Photo



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HMR Training
Requirements

OSHA or EPA Training

Training completed to meet OSHA or EPA requirements that addresses training specified in §172.704(a) may be used to satisfy the HMR training requirements.

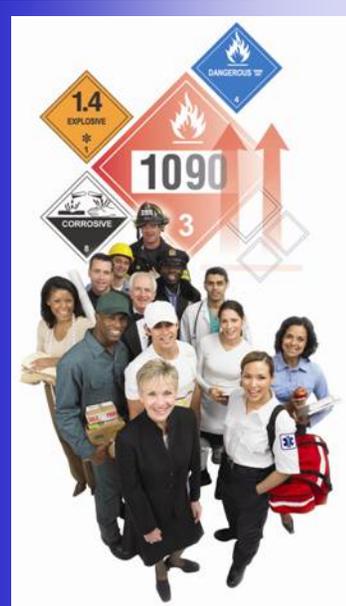


§172.704(b)



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HMR Training
Requirements

ICAO or IMDG Function-Specific Training

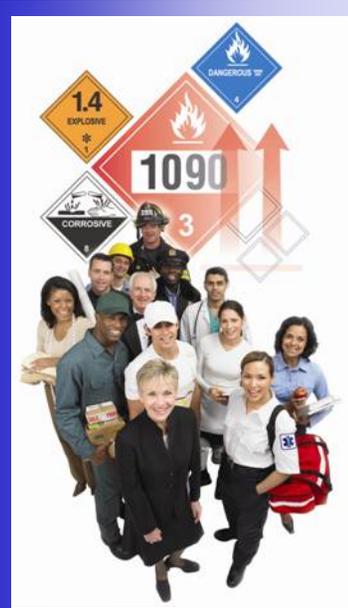
International Civil Aviation Organization (ICAO) Technical Instructions and the International Maritime Dangerous Goods (IMDG) Code training may be used as an alternative to function-specific training.

§172.704(a)(2)(ii)



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HMR Training
Requirements

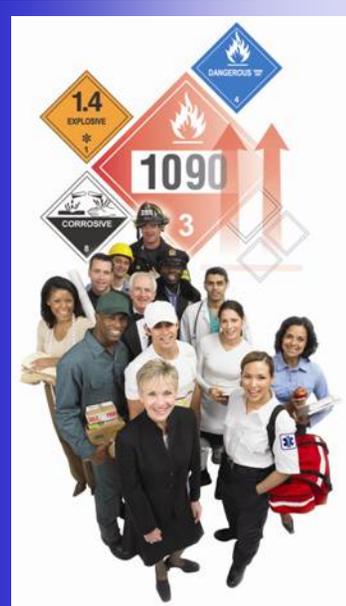
Other Training

Other training designed to comply with security training programs required by other Federal or international agencies may be used to satisfy security training requirements of this section.



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HMR Training
Requirements

Training Frequency

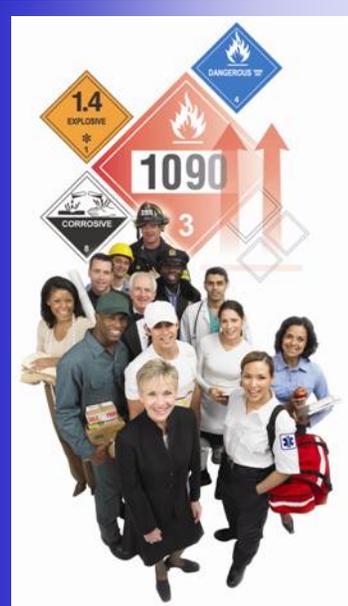
- **Initial training must be completed within 90 days of hazmat employment or change in job function.**
 - **Hazmat employees must be directly supervised by a trained and knowledgeable employee until trained themselves.**
- **Recurrent (refresher) training is required *at least* every three years.**

§172.704(c)(1) and (2)



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HMR Training
Requirements

Relevant Training

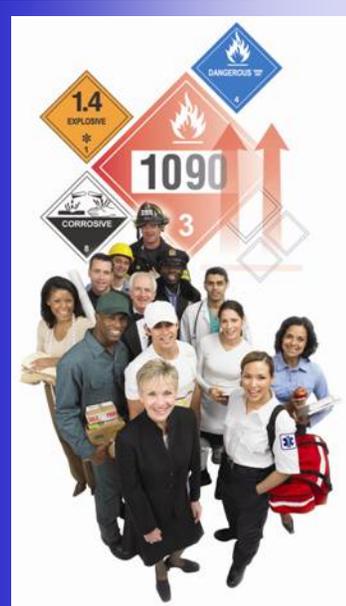
Hazmat training received from a previous employer or other source can be used to meet the HMR requirements – provided that a current record of training is obtained from the previous employer.

§172.704(c)(3)



U.S. Department
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HMR Training
Requirements

Recordkeeping

The training record must include:

- Hazmat employee's name
- Most recent training completion date
- Description, copy, or location of the training materials
- Name and address of person providing the training
- “Certification” that the hazmat employee has been trained and tested



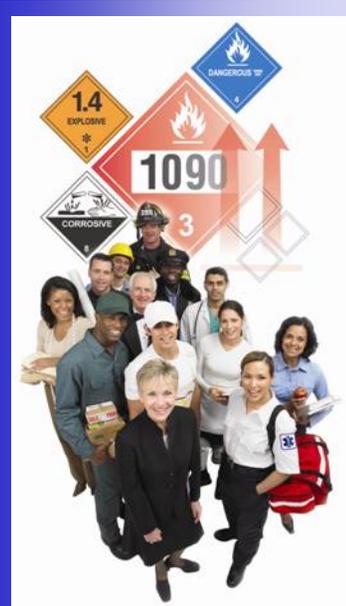
LOC Photo

§172.704(d)



U.S. Department
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HMR Training
Requirements

Sample Training Record

Hazmat Employee Training Record

Name: John Doe

General Awareness / Familiarization

<i>Description, Copy, and Location of Training</i>	<i>Training Provided By</i>	<i>Test / Score</i>	<i>Date Trained</i>
DOT General Awareness and Familiarization Video – Hazmat DigiPack located in main office.	Employer Training Officer Jane Doe	No Test	July 14, 2004
Hazardous Materials Transportation Training Modules 2002 – copy located in main office.	Employer Training Officer Jane Doe	Copy attached to file 98%	July 14, 2004

Function Specific

<i>Description, Copy, and Location of Training</i>	<i>Training Provided By</i>	<i>Test / Score</i>	<i>Date Trained</i>
Package Marking and Labeling – DOT Hazardous Materials Transportation Training Modules 3 and 4 – copy of modules located in main office.	Employer Training Officer Jane Doe	Copy attached to file 100%	July 14, 2004
Performance Demonstration of Packaging, Marking and Labeling. Checklist of items performed attached to this training record.	Supervisor Dan	Successfully demonstrated – 100%	July 28, 2004

Safety Training

<i>Description, Copy, and Location of Training</i>	<i>Training Provided By</i>	<i>Test / Score</i>	<i>Date Trained</i>
Hazardous Materials Transportation Safety – copy of training materials and certificate of completion available in main office.	Hazmat Safety Consultative Service 123 Anywhere St. Somewhere, USA	Certificate of Completion on file. Test 97.5% on file.	July 13, 2004

Security Awareness Training

<i>Description, Copy, and Location of Training</i>	<i>Training Provided By</i>	<i>Test / Score</i>	<i>Date Trained</i>
Hazmat Transportation Security Awareness Training Module – USDOT/PHMSA. Copy of CD-ROM and test available in main office.	Supervisor Dan	100% - on file	July 15, 2004

In-Depth Security Training

<i>Description, Copy, and Location of Training</i>	<i>Training Provided By</i>	<i>Test / Score</i>	<i>Date Trained</i>
Company Security Plan and Training – copy of training materials available in main office.	Supervisor Dan	Verbal Test given - passed	July 30, 2004

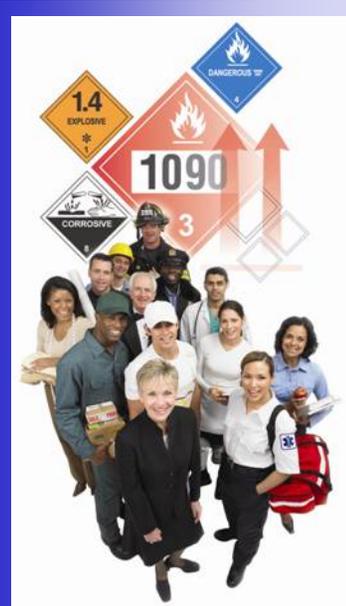
I certify that this hazmat employee has been trained and tested as required by the Hazardous Materials Regulations, Subpart H.

Training Officer Jane Doe
July 30, 2004



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HMR Training
Requirements

Package Testers, Repairers, etc.

**Hazmat employees who
repair, modify,
recondition, or test
packaging are not
subject to the hazmat
Safety training
requirements.**



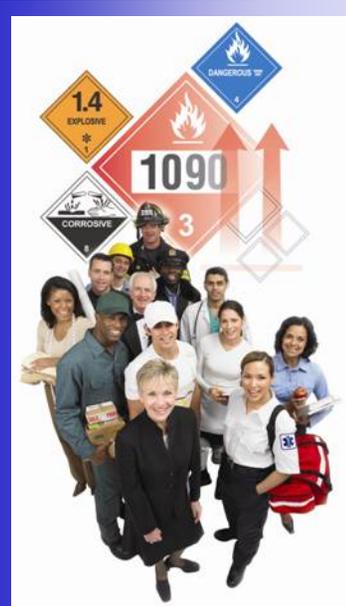
DOT/PHMSA Photo

§172.704(e)(1)



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Safety Administration



HMR Training
Requirements

Railroad Employees

A railroad maintenance-of-way employee or railroad signalman who does not perform any functions subject to subchapter C is only required training on general awareness (a)(1) and safety (a)(3) of this section.

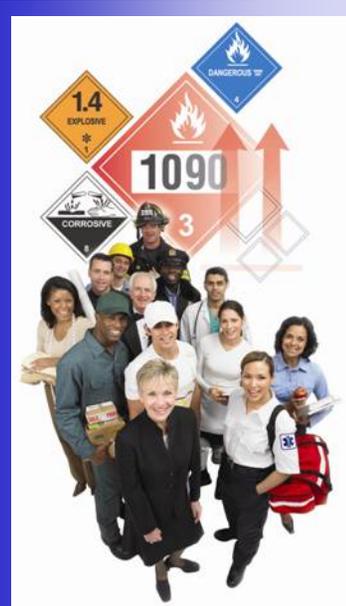


§172.704(e)(2)



U.S. Department
of Transportation

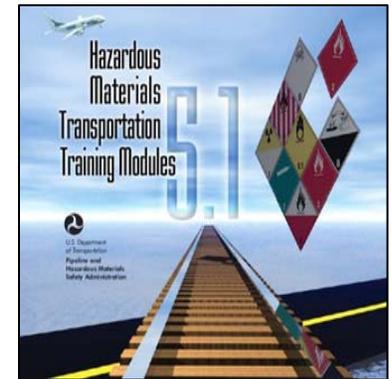
Pipeline and
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HMR Training
Requirements

Training Resources

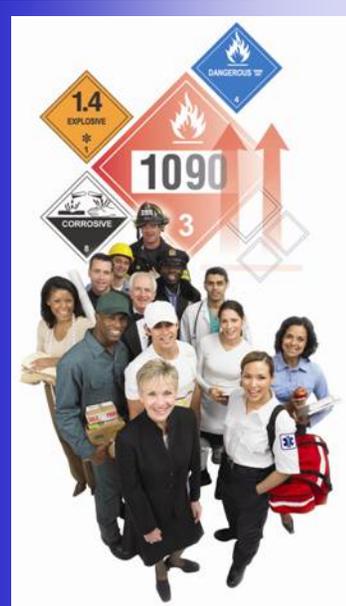
- **PHMSA offers numerous training materials:**
 - **Hazardous Materials Transportation Training Modules on CD ROM**
 - **Brochures**
 - **MPEG Videos**
- **Commercial suppliers of hazardous materials training materials and consultative services located at:**
<http://hazmat.dot.gov/common/thirdpty.htm>





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HMR Training
Requirements

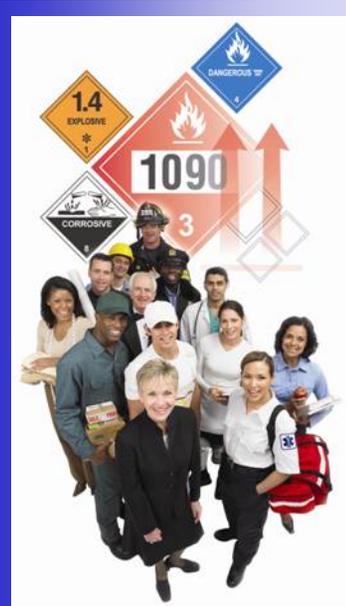
Where to Find More Information . . .

<http://hazmat.dot.gov>



U.S. Department
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HMR Training
Requirements

How Can You Reach Us?

Hazardous Materials

INFO-LINE

1-800-HMR49-22

(1-800-467-4922)

Hours of Operation: 9 am – 5 pm ET



DOT/PHMSA Photo

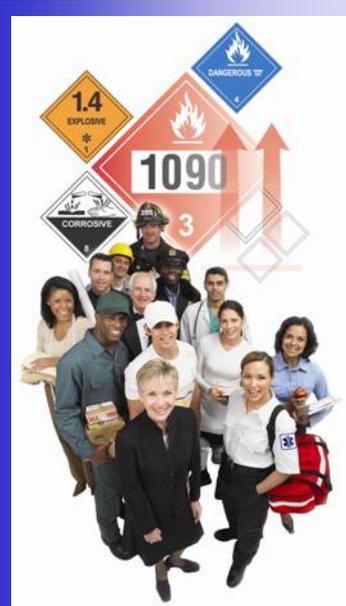
- Obtain answers to HMR questions
- Request copies of Federal Register, special permits or training materials
- Report HMR violations
- Fax on Demand

E-mail: infocntr@dot.gov



U.S. Department
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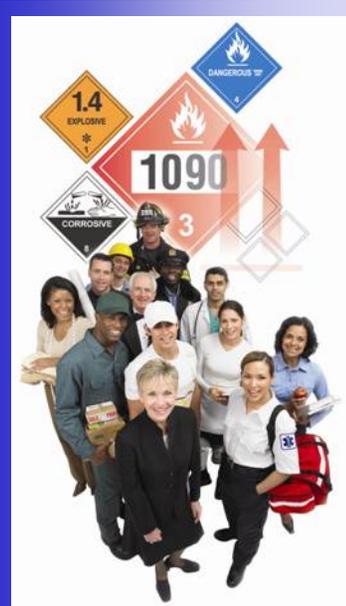
HMR Training
Requirements

**Got A
Question?**



U.S. Department of Transportation

Pipeline and Hazardous Materials Safety Administration



HMR Training Requirements

CRITIQUE

Multimodal Hazardous Materials Transportation Training Seminar

Please take a few minutes to share your thoughts and ideas on this seminar.

Please complete this form and return it to the registration table at the conclusion of the seminar.

Please check all that apply:

<input type="checkbox"/> Shipper	<input type="checkbox"/> Supervisor	<input type="checkbox"/> Enforcement	<input type="checkbox"/> Other _____
<input type="checkbox"/> Carrier	<input type="checkbox"/> Local Government	<input type="checkbox"/> Preparedness	_____
<input type="checkbox"/> Association	<input type="checkbox"/> State Government	<input type="checkbox"/> Response	
<input type="checkbox"/> Non-Supervisor	<input type="checkbox"/> Federal Government	<input type="checkbox"/> Packaging Manufacturer	

Did We Meet Your Expectations?
 (Satisfaction Level ● 5 = Highest, ● 1 = Lowest)

9:00 - 10:00 am GENERAL SESSION ○ 5 ○ 4 ○ 3 ○ 2 ○ 1

Comments _____

10:15-11:45 am GROUP A SESSIONS

How to Use the Hazardous Materials Regulations (HMR)	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Transporting Hazmat by Air	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
State Hazmat Enforcement	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Regulatory Process and Update	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Hazmat Transportation Security Requirements	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
(Would you like to see a breakout session on How to Develop a Security Plan?)	<input type="radio"/> Yes <input type="radio"/> No

Comments _____

1:15-2:45 pm GROUP B SESSIONS

Package Selection, Marking, and Labeling Requirements	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Transporting Hazmat by Highway	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
State Hazmat Enforcement	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
How to Use the Emergency Response Guidebook	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Training Requirements	○ 5 ○ 4 ○ 3 ○ 2 ○ 1

Comments _____

3:00-4:30 pm GROUP C SESSIONS

Shipping Papers and Emergency Response Information	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Transporting Hazmat by Water	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Infectious Substances	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Legal Review and Update	○ 5 ○ 4 ○ 3 ○ 2 ○ 1
Hazmat Training Product Showcase	○ 5 ○ 4 ○ 3 ○ 2 ○ 1

Comments _____