



Hazardous Materials Transportation Security (HM 232)

Presented by
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HM-232

- Codified at 49 CFR Part 172
- Final rule published March 25, 2003



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What Must Be Done?

- HAZMAT shippers and carriers must have written security plans by September 25, 2003
- HAZMAT employees trained on plan by December 22, 2003, and general security awareness training for others at first scheduled recurrent training



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Who Must Develop a Plan?

- HAZMAT shippers and carriers that
 - Offer or transport an amount that must be placarded
 - A bulk packaging equal or greater than 3,500 gallons for liquids or gases or 468 cubic feet for solids; or
 - A select agent or toxin regulated by the CDC



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What Elements Must Be Included In The Plans?

- An assessment of transportation security risks of specific HAZMATs covered under the plan and measures to address the risks
- Personnel Security
- Unauthorized access, and
- En route security



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What is an Assessment of Risk?

- Assessment of risk
 - Chemical Hazards
 - Attractiveness of target
 - Consequences of attack
 - Existing security measures



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What About Personnel Security Requirements?

- HAZMAT employees whose duties require periodic DOT training
- Measures to confirm information by job applicants
 - Background check for criminal activity and security risk
 - Contact prior employers and references
 - Investigate gaps in employment



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Personnel Security (cont.)

- Require at least __ years consecutive employment and/or education records
- Ensure HAZMAT drivers have current CDL
- Verify applicants are U.S. citizens or have appropriate legal alien status/work auth.



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Unauthorized Access?

- Measures to address the possibility that unauthorized persons may gain access
 - Restrict access to HAZMAT related information and the materials you handle
 - Verify ID for all unknown visitors
 - Accompany non-employee visitors
 - Maintain a sign-in book
 - Report any unsupervised persons
 - Install "No-Unauthorized Access" signs at warehouse doors



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Unauthorized Access (cont.)

- Designate an area for pick-up and deliveries
- Secure hazmat in locked buildings – control key access
- Secure valves, manways, and other fixtures when not in use
- Inventory on-site hazmat inventories periodically
- Keep records of security incidents
- Report any suspicious incidents or individuals to your local Federal Bureau of Investigation (FBI) office or local law enforcement officials



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En Route Security?

- Measures to address the risks of shipment from origin to destination
- HAZMATs stored incidental to shipment
- Shippers know your carrier
 - Request information/plan on fleet security
 - Review carrier safety ratings
 - Verify carrier and/or driver identities
 - Ask the driver for identification and CDL
 - Confirm consignee and destination with the driver



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En Route Security (cont.)

- Shippers and carrier should cooperate to assure security of rail cars stored temporarily on leased tracks
- Consignees: alert the shipper if the shipment is not received when expected



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Plan Implementation

- Employee Training
- Employees must be aware of their surroundings and immediately report suspicious activity
- Periodically review the security plan



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What Are The Specific Training Components?

- Company security objectives
- Organizational security structure
- Recognition and response to possible security threats
- Specific security procedures
- Employee responsibilities
- Action to take in the event of a security breach



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Signs of Potential Terrorist Surveillance

- Unusual interest in security measures or personnel, entry points, access controls
- Unusual behavior, such as staring, walking away when approached
- Increase in threats (e-mail, telephone)
- Foot surveillance by multiple individuals
- Mobile surveillance by boat, aircraft
- Use of cameras, video recorders, note taking
- Use of multiple sets of clothing, identifications



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Research and Special Programs Administration

Welcome to HAZMAT SAFETY...

Hazardous Materials Safety System is currently at YELLOW (Elevated) Level

Research and Special Programs Administration
Office of Hazardous Materials Safety
(Date of last update: April 08, 2005)

The Office of Hazardous Materials Safety, which is within the United States Department of Transportation's Research and Special Programs Administration, is responsible for coordinating a national safety program for the transportation of hazardous materials by air, rail, highway and water.

Best if viewed using Netscape Version 4.0 or higher



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Hazmat Safety Regional Contacts

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Research and Special Programs Administration

Hazardous Materials
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Hours of Operation: 9 am – 5 pm EST



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