

HDNS# **TPD-0050**

TRAINING PROGRAM DESCRIPTION TITLE:  
**Transportation, DOE-0364**

REVISION: **0**                      DATE: **06/06/2011**

INTERPRETATIVE AUTHORITY: \_\_\_\_\_

TECHNICAL AUTHORITY: **Gary Bush**

FUNCTIONAL AREA MANAGER: **Stan W Scott**

Date Received for Clearance Process (MM/DD/YYYY)

05/19/2011

INFORMATION CLEARANCE FORM

S

A. Information Category

- Abstract, Summary, Visual Aid, Full Paper, Other Intranet, Journal Article, Internet, Software, Report

B. Document Number DOE-0364, Rev. 0

C. Title TPD-0050, Rev. 0, Transportation Training Program Description

D. Internet Address

E. Required Information (MANDATORY)

- 1. Is document potentially Classified? No Yes Stan W. Scott Manager Required (Print and Sign) ADC Required (Print and Sign) No Yes Classified
2. Official Use Only No Yes Exemption No.
3. Export Controlled Information No Yes OOU Exemption No. 3
4. UCNI No Yes
5. Applied Technology No Yes
6. Other (Specify)

7. Does Information Contain the Following:

- a. New or Novel (Patentable) Subject Matter? No Yes
b. Commercial Proprietary Information Received in Confidence, Such as Proprietary and/or Inventions? No Yes
c. Corporate Privileged Information? No Yes
d. Government Privileged Information? No Yes
e. Copyrights? No Yes
f. Trademarks? No Yes
8. Is Information requiring submission to OSTI? No Yes
9. Release Level? Public Limited

F. Complete for a Journal Article

1. Title of Journal

G. Complete for a Presentation

- 1. Title for Conference or Meeting
2. Group Sponsoring
3. Date of Conference
4. City/State
5. Will Information be Published in Proceedings? No Yes
6. Will Material be Handed Out? No Yes

H. Information Owner/Author/Requestor

Gary R. Bush (Print and Sign)

Responsible Manager

Stan W. Scott (Print and Sign)

Approval by Direct Report to President (Speech/Articles Only)

(Print and Sign)

Table with 4 columns: Reviewers, Yes, Print, Signature, Public Y/N (If N, complete J). Rows include General Counsel, Office of External Affairs, DOE-RL, Other (M.L. Spracklen, J.D. Aardal).

J. Comments

To DOE Site Safety internet for subcontractors.

Information Clearance Approval



If Additional Comments, Please Attach Separate Sheet

1 of 5

## Aardal, Janis D

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**From:** Brechbill, Susan R  
**Sent:** Thursday, May 19, 2011 9:03 AM  
**To:** Aardal, Janis D  
**Cc:** Fowler, Sandra B  
**Subject:** RE: Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Categories:** Blue Category

I have reviewed the attached procedure and do not have any objection to posting it on the DOE Internet for access by subcontractors. I do note that under the section dealing with applicable CFR's and other requirements, some of the sections cited are not specifically required by the MSA prime contract Section J, Applicable Federal, State and Local Regulations. I do not believe this is an impediment to posting the document, but at some future time, you may want to review the requirements. Susan Brechbill

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**From:** Aardal, Janis D  
**Sent:** Thursday, May 19, 2011 8:43 AM  
**To:** Brechbill, Susan R; Smith, Deanna L; Spracklen, Michael L  
**Cc:** Bush, Gary R. ; Gulley, Stephen M  
**Subject:** FW: Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)  
**Importance:** High

Please comment and approve by e-mail on the attached Site Safety document to be posted to the DOE internet for access by subcontractors. Thank you, Janis Aardal IM Information Clearance

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**From:** Bush, Gary R  
**Sent:** Wednesday, May 18, 2011 12:00 PM  
**To:** Gulley, Stephen M; Aardal, Janis D  
**Subject:** Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

I've attached the documents requested (one pdf file).

**Gary Bush**  
2890 Horn Rapids Rd. MSIN G5-54  
Richland, WA 99354  
Work Phone #: (509) 372-2531  
Cell Phone #: (509) 539-8905  
Email Address: [gary\\_r\\_bush@ri.gov](mailto:gary_r_bush@ri.gov)



## Aardal, Janis D

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**From:** Smith, Deanna L  
**Sent:** Monday, May 23, 2011 11:53 AM  
**To:** Bush, Gary R; Aardal, Janis D  
**Cc:** Gulley, Stephen M  
**Subject:** RE: EDITS Made to Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Categories:** Blue Category


Approved. ☺

### Deanna Smith

Communications/External Affairs & Community Outreach

Mission Support Alliance LLC, "A Lockheed Martin/Jacobs/WSI Company"

office 509-373-0857 | cell: 509-308-5476 | web site: <http://msa.hanford.gov/msa>

 Please consider the environment before printing this email.

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**From:** Bush, Gary R  
**Sent:** Monday, May 23, 2011 11:52 AM  
**To:** Aardal, Janis D  
**Cc:** Smith, Deanna L; Gulley, Stephen M  
**Subject:** EDITS Made to Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

Janis,

As requested by Deanna, I edited the attached document for internal consistency with regard to the use of the term

- **hazardous materials** instead of what appeared in the document submitted for review, comment, and approval ("hazardous material" and "hazardous materials") consistent with the term used by DOT in 49 CFR. However, I did not change the spelling in existing, approved documents (e.g., *Hazardous Material Shipping Record (HMSR)* and the category located in the Training Selection Tool).
- **hazmat** instead of what appeared in the document submitted for review, comment, and approval (hazmat, HazMat, Hazmat). However, I did not change which letters are capitalized in existing, approved documents (e.g., MSC-PRO-166, *MSA Transportation Hazmat Employee Training*) or where sentence structure required capitalization (e.g., beginning of a sentence or bulleted item).

With those edits incorporated, Deanna confirmed in my phone conversation with her this morning, that her reply below could be printed and attached as her approval. If anything else needs to be done or any other corrections need to be made, please let me know.

**Stephen**, the attached document is intended to replace the two, previous electronic documents I gave you.

### Gary Bush

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Email Address: [gary\\_r\\_bush@rl.gov](mailto:gary_r_bush@rl.gov)

## Aardal, Janis D

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**From:** Spracklen, Michael L  
**Sent:** Wednesday, May 25, 2011 3:23 PM  
**To:** Aardal, Janis D  
**Subject:** RE: ATTN FW: EDITS Made to Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Categories:** Blue Category

Janis,

No information security issues with the attached document. I assume any embedded links will also be cleared?

*Mike Spracklen*  
**MSC Classification Officer**  
**(509) 376-3730**

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**From:** Aardal, Janis D  
**Sent:** Wednesday, May 25, 2011 1:25 PM  
**To:** Spracklen, Michael L  
**Cc:** Gulley, Stephen M; Bush, Gary R  
**Subject:** ATTN FW: EDITS Made to Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)  
**Importance:** High

Hi Mike, I don't recall an e-mail approval from you on the final version of the Transportation Training Program Description (TPD-0050, DOE-0364) attached. It will be a Site safety document posted to the internet for subcontractors. Thanks very much, Janis Aardal IM Information Clearance

**From:** Smith, Deanna L  
**Sent:** Monday, May 23, 2011 11:53 AM  
**To:** Bush, Gary R; Aardal, Janis D  
**Cc:** Gulley, Stephen M  
**Subject:** RE: EDITS Made to Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

Approved. ☺

**Deanna Smith**  
**Communications/External Affairs & Community Outreach**  
*Mission Support Alliance LLC, "A Lockheed Martin/Jacobs/WSI Company"*  
office 509-373-0857 | cell: 509-308-5476 | web site: <http://msa.hanford.gov/msa>

 Please consider the environment before printing this email.

## Aardal, Janis D

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**From:** Bush, Gary R  
**Sent:** Thursday, May 26, 2011 8:15 AM  
**To:** Aardal, Janis D; Gulley, Stephen M  
**Cc:** Spracklen, Michael L  
**Subject:** RE: ATTN FW: EDITS Made to Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Categories:** Blue Category

BREAK THE LINKS....need to get the TPD posted.

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**From:** Aardal, Janis D  
**Sent:** Thursday, May 26, 2011 8:02 AM  
**To:** Bush, Gary R; Gulley, Stephen M  
**Cc:** Spracklen, Michael L  
**Subject:** RE: ATTN FW: EDITS Made to Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

Hi Gary, Are they DOT and DOE procedures that are already public domain? If not and they're contractor procedures, each one will also need to be cleared. (One clearance form could be used for the three procedures.) Otherwise, the links should be broken if they're to un-cleared contractor procedures. Please let me know.  
Thanks, Janis Aardal

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**From:** Bush, Gary R  
**Sent:** Thursday, May 26, 2011 7:55 AM  
**To:** Aardal, Janis D  
**Cc:** Spracklen, Michael L; Gulley, Stephen M  
**Subject:** RE: ATTN FW: EDITS Made to Transportation Training Program Description, DOE-0364, Rev. 0 (TPD-0050, Rev. 0)

I hope the embedded links will be cleared. They are intended to take the reader to 3 procedures that implement Department of Transportation and Department of Energy transportation training requirements (who's required to complete which courses of training) and the HAMMER/Hanford Training Selection Tool used by management and training personnel to confirm appropriate training.

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**From:** Aardal, Janis D  
**Sent:** Wednesday, May 25, 2011 3:36 PM  
**To:** Gulley, Stephen M; Bush, Gary R

# Transportation Training Program Description

Prepared for the U.S. Department of Energy  
Assistant Secretary for Environmental Management



U.S. DEPARTMENT OF  
**ENERGY**

**APPROVED**

*By J. D. Aardal at 8:55 am, May 26, 2011*

**Approved for Public Release;  
Further Dissemination Unlimited**

# TRANSPORTATION

## Training Program Description

TPD-0050, Rev 0, June 6, 2011

**HAMMER/Hanford Training Technical Authority Approval: Gary Bush**

**Functional Manager Approval: Stan W. Scott**

### 1.0 PURPOSE

This training program description outlines the transportation training program designed to help Hanford contractors meet the requirements specified in the Code of Federal Regulations, Title 49, **Transportation** (49CFR), Parts 40, 325, 350 & 355-399, **Federal Motor Carrier Safety Administration**, and Parts 100-185, **Hazardous Materials Regulations**, Revised Code of Washington (RCW) 46.61.655, **Dropping load, other materials – Covering**, RCW 46.25.010(6), **Definitions**, and training requirements for those (other than those who operate commercial motor vehicles [CMVs]) who perform certain functions as hazardous materials (hazmat) employees as defined in 49 CFR part 171.8. For company-specific requirements and application, check your company-specific documents (procedures, training documents, etc.).

### 2.0 SCOPE

This program applies as described in the following paragraphs.

- **Hazmat employees** that are to be trained and tested in general awareness, function-specific, safety and security aspects of hazardous materials transportation.
  - **MSC-PRO-166, MSA Transportation Hazmat Employee Training** specifies training requirements for authorized **MSA (hazmat) Shippers**, and, as applicable, Washington River Protection Solutions (WRPS) personnel who perform work scope in accordance with this procedure.
  - **PRC-PRO-TP-166, Transportation & Packaging Training** specifies training requirements for **CHPRC Authorized (hazmat) Shippers and for motor vehicle drivers who operate vehicles for CHPRC hauling hazardous materials** onsite in accordance with DOE/RL-2001-36 *Hanford Sitewide Transportation Safety Document (TSD)*.
  - See **Training Selection Tool Category** (Regulatory Requirements) and **Key** (Transportation –Hazardous Material) for specific training requirements based on task.

# Transportation Training Program Description

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- **Employees who operate MSA’s Commercial Motor Vehicles (CMVs) and their management** that are subject to Federal Motor Carrier Safety Regulations (FMCSR), managed by MSA under the scope of the Mission Support Contract as defined by MSC-PRO-37561, *Department of Transportation Federal Motor Carrier Safety Management Plan*. See *Training Selection Tool Category* (Regulatory Requirements) and **Key** (Transportation –Federal Motor Carrier) for specific training requirements based on task.

Training consists of three levels based on each employee’s job function. Each level of training includes general awareness, safety, security, and function-specific information corresponding to the degree of responsibility of the employee in accordance with 49 CFR 172.704.

Level 1: This level of training is provided for those hazmat employees who do not make regulatory decisions, but, verify accuracy and consistency with the regulations. These employees are involved in activities such as packaging, marking and labeling packages, completing shipping papers, loading and unloading, and transporting hazardous materials.

Level 2: This level of training is provided for those hazmat employees who are responsible for assisting an authorized shipper by properly identifying hazardous materials, selecting appropriate packaging, identifying appropriate communication requirements, and supervising those responsible for those activities.

Level 3: This level of training is provided for those hazmat employees who are designated to be authorized shippers and validate that all aspects of a hazardous materials, hazardous waste, radioactive materials or a radioactive mixed waste shipment are made in compliance with 49 CFR. These individuals must certify by signature the shipping documentation and accept responsibility for the material transported.

## 3.0 RESPONSIBILITIES

### 3.1 The Director of HAMMER/Hanford Training is responsible to:

- Establish the Transportation Training Program.
- Implement and administer the Transportation Training Program.

3.2 **Transportation Training Provider is responsible to** develop, maintain, and provide training courses and instructors in accordance with written agreement with the Director of HAMMER/Hanford Training. They may also issue cards to those students who successfully complete specific training courses.

### 3.3 The MSA Manager for Federal Motor Carrier Services is responsible to:

- Review and provide input to training developed for the Transportation Training Program.
- Assist with identification and release of qualified teamster worker trainers as needed.

# Transportation Training Program Description

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**3.4 The MSA Manager for Traffic Management is responsible to** review and provide input to training developed for the Transportation Training Program.

**3.5 Management is responsible to:**

- Ensure applicable, training requirements are documented in each person's individual training plan.
- Ensure employees are enrolled in training required for assigned work.
- Ensure employees have completed required training and are current for required training before assigning them work.

**3.6 Training Program Manager is responsible to:**

- Ensure the Transportation Training Provider provides training services in accordance with written agreement(s).
- Provide oversight regarding implementation of the Transportation Training Program.

## **4.0 TRAINING REQUIREMENTS**

The required training course numbers that follow each task description below are required initially and retraining before the expiration date, every 3 years except as noted below.

- The retraining frequency for Highway Route Controlled Quantity Training for Drivers, course number 020091, is every 2 years.
- There is no retraining frequency for Reasonable Suspicion Training for Supervisors, course number 020098: it is one-time only training.
- IATA: Transport of Dangerous Goods by Air Shipper Certification Training – Domestic (020079 with a DOT requirement of retraining every 3 years) and IATA: Transport of Dangerous Goods by Air Shipper Certification Training – International (020279 with an IATA requirement of retraining every 2 years) are taught at the same time in the same classroom as the only difference is the retraining frequency specified by the controlling entity.

**CMV** – Commercial Motor Vehicle **DOT** – Department of Transportation

**4.1 Driver**

- **Transports non-hazardous materials** in a CMV or transports 16 or more passengers (incl. driver): 020083, 050411 & 050412.
- **Transports placarded hazardous materials:** 020075, 020083, 020381, 050411 & 050412.
- **Transports hazardous materials** in a CMV that doesn't require placards: 020075, 020083, 050411 & 050412. Course 020381 may not be required, but, confirm this with management.

# Transportation Training Program Description

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## 4.2 Driver or Supervisor/Transports or Supervisor of Transporter

- **Driver or a supervisor of a driver** that transports Highway Route Controlled Quantity (HRCQ) amounts of radioactive materials in a CMV: 020075, 020083, 020091, 020381, 050411 & 050412.
- **Supervisor or manager of driver(s)**: 020075, 020084, 020098, 020381, 050411 & 050412.
- **Transports or supervises those who transport** non-placarded hazardous materials in a non-commercial motor vehicle: 020075 & 020077; management may also require completion of 050411 one-time only or every 3 years.

## 4.3 Others (e.g., those with a CDL that don't transport hazardous materials, NCOs, HPTs, warehouse personnel, those who make determinations, pilot escort vehicle operator, flagger)

- **Heavy equipment operator, lineman, or maintenance person that transports non-hazardous materials in a CMV or transports 16 or more passengers** (incl. driver): 020083 & 050411.
- **Directly affects hazardous materials** (e.g., fill, sample, package, mark, label, placard, smear, monitor, handle): 020075.
- Listed as a **qualified person authorized to sign the back of the Onsite Routine Radioactive Shipment Record (ORRSR)**: 020075 & 020077.
- **Shipper or warehouse person or an immediate supervisor involved with hazardous materials shipment**: 020075 & 020380.
- **Inspects or has authority to release shipments for offsite transportation**: 050411.
- **Determines** material identification, packaging, markings, labels, placarding requirements, load configurations or creates shipping papers but does not sign the shipping papers for
  - Hazardous materials: 020064.
  - Hazardous waste: 020064 & 020068.
  - Radioactive materials: 020064 & 020059.
- **Tests or otherwise represents packaging as qualified for use in the transportation of hazardous materials**: 020073.
- **Packaging engineer or is responsible for procurement of radioactive materials packaging** in accordance with regulatory requirements in 49CFR and 10CFR: 020158.
- **Maintains DOT records** (DQF, hours of service, maintenance files, etc): 020084.
- Shippers who might **inspect a Commercial Motor Vehicle**: 020081.
- MSA Human Relations or Labor Relations Representative: 020084 & 020098 (020084 is prerequisite to 020098; one-time only for both courses).
- **Operates a pilot escort vehicle** as required by WAC 468-38-100: 031000.
- **Provides flagging and traffic control** as required by WAC 296-155-305: 042730.

# Transportation Training Program Description

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## 4.4 Qualified Shipper (*for pre-requisite training and sequence of training, see section 4.6*)

- **Hazardous materials shipper** non-radioactive; authorized to prepare and sign the Hazardous Material Shipping Record (**HMSR**): 020067 & 020380.
- **Hazardous waste shipper** who is authorized to prepare and sign the Uniform Hazardous Waste Manifest (**UHWM**): 020159 & 020380.
- **Mixed waste shipper** who is authorized to prepare and sign the Radioactive Shipment Record (**RSR**) and the Uniform Hazardous Waste Manifest (**UHWM**): 020078 & 020380 (*see exception for 020078 in section 4.6*).
- **Person responsible for domestic shipments by air and/or signs the shipper's declaration:** 020079 & 020380.
- **Person responsible for international shipments by air and/or signs the shipper's declaration:** 020279 & 020380.
- **Radioactive materials shipper** who is authorized to prepare and sign the Radioactive Shipment Record (**RSR**): 020069 & 020380.
- **Shipper** who is **authorized to sign the front of** the Onsite Routine Radioactive Shipment Record (**ORRSR**): 020069 & 020380.
- **Ships explosives:** 020067 or 020159 & 020382.

## 4.5 Teamster Worker Instructors

Although **Load Securement Practical for CDL Drivers & Supervisors**, course number 050412, is an integral part of the Transportation Training Program, the course was developed by teamster worker instructors and HAMMER/Hanford Training. HAMMER/Hanford Training maintains the training program and teamster worker instructors provide the training. The target audience for the hands-on training are those drivers who regularly secure loads on trailers (e.g., flat-bed, low-boy, box van, etc.) using straps, chains, ratchets, and other approved tie-down equipment. Supervisors of those in the target audience are also required to complete this training. Those planning to enroll in this training must have completed and must be current for the prerequisite training: **Load Securement for Drivers & Traffic Personnel**, course number 050411, presented by the Transportation Training Provider. It is recommended that students are enrolled for prerequisite course number 050411 the morning of the same day they are enrolled for course number 050412. If this isn't possible, it's recommended that students are enrolled in course number 050412 within a month or two after successfully completing course number 050411. As this is hands-on training and there are potential safety hazards, each student is responsible for bringing with them the following personal protective equipment: substantial footwear (safety shoes or safety boots recommended), pants that cover the legs (no cutoffs or shorts), gloves (with at least leather palms), shirts with sleeves (minimum sleeve length at least 6 inches; no tank tops or similar attire), safety glasses with side shields, hard hat or approved bump cap. Students who do not bring the required PPE may be returned to work and billed as no-show, billed for training. Supervisors may choose to observe from a safe distance instead of participating in the hands-on scenarios as part of a load securement team. Those choosing this option won't

# Transportation Training Program Description

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be required to bring or use PPE, but, they will be credited with completion of training. Non-management MUST bring PPE as they ARE required to participate in the hands-on training.

## 4.6 Training/Retraining for Shippers

The sequence for completion of training and retraining depends on the type(s) of material for which the shipper is responsible.

- **Qualified Hazardous Materials Shipper:** Course number 020067 which requires completion of the pre-requisite course, number 020064, first. To maintain qualification, only course number 020067 needs to be completed at least every **three years**, thereafter.
- **Qualified Hazardous Waste Shipper:** Course number 020159 which requires completion of pre-requisite courses, numbers 020064 & 020068 first. To maintain qualification, only course number 020159 needs to be completed at least every **three years**, thereafter.
- **Qualified Radioactive Materials Shipper:** Course number 020069 which requires completion of pre-requisite courses, numbers 020064 & 020059 first. To maintain qualification, only course number 020069 needs to be completed at least every **three years**, thereafter.
- **Qualified Mixed Waste Shipper:** Course number 020078 which requires completion of pre-requisite courses, numbers 020064, 020068, and 020059 first, followed by course numbers 020069 & 020159. It's up to each individual as to which order course numbers 020069 and 020159 are completed. For some companies, the shipper is qualified, but, is to complete course number 020078 within three years of completion of course numbers 020069 & 020159. For some companies, the shipper must also complete additional training (course number 020078) before the shipper is qualified. Be sure to comply with your company's management expectations. To maintain qualification, only course number 020078 needs to be completed at least every **three years**, thereafter.
- **Qualified IATA Shipper - Domestic:** Course number 020079 which requires completion of pre-requisite courses, numbers 020064 & 020059 followed by course numbers 020067 & 020069. It's up to each individual as to which order course numbers 020067 and 020069 are completed. Then, course number 020079 needs to be completed. To maintain qualification, only course number 020079 needs to be completed at least every **three years**, thereafter.

# Transportation Training Program Description

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- **Qualified IATA Shipper - International:** Course number 020279 which requires completion of pre-requisite courses, numbers 020064 & 020059 followed by course numbers 020067 & 020069. It's up to each individual as to which order course numbers 020067 and 020069 are completed. Then, course number 020279 needs to be completed. To maintain qualification, only course number 020279 needs to be completed at least every **two years**, thereafter.

## 4.7 Training Equivalencies

Those seeking equivalency for previously completed training, that's still valid (hasn't expired; not past the retraining date) must do so in accordance with MSC-PRO-179, ***Obtaining Training Equivalencies, Waivers, and Extensions*** or equivalent. Training equivalencies for Transportation Training Provider courses must obtain approval from training provider management as well as the identified manager for HAMMER/Hanford Training.

## 5.0 DEFINITIONS

### 5.1 Commercial Driver's License (CDL)

A license required for drivers operating a CMV which meets one of the following criteria:

- Has a Gross Vehicle Weight Rating (GVWR) or Gross Combinations Weight Rating (GCWR) of 26,001 pounds or more.
- Transports 16 or more passengers, including the driver.
- Transports hazardous materials requiring placards.

### 5.2 Commercial Motor Vehicle (CMV)

A self-propelled or towed motor vehicle that meets one of the following criteria:

- Intrastate Commerce: Has a Gross Vehicle Weight Rating (GVWR) or Gross Combinations Weight Rating (GCWR) of 26,001 pounds or more (NOTE: Effective July 1, 2012, this requirement will change to 16,001 pounds or more).
- Interstate Commerce: Has a Gross Vehicle Weight Rating (GVWR) or Gross Combination Weight Rating (GCWR) of 10,001 pounds or more.
- Designed to transport more than 8 passengers (including the driver) for compensation or more than 15 passengers (including the driver) for non-compensation.
- Is used to transport hazardous materials in a quantity requiring placarding.

### 5.3 Driver

Operator of a CMV – includes but is not limited to heavy drivers, heavy equipment operators, crane operators, linemen, and maintenance personnel.

# Transportation Training Program Description

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## 5.4 Hazmat Employee

One who directly affects hazardous materials transportation safety:

- Loads, unloads, or handles hazardous materials
- Designs, manufactures, fabricates, inspects, marks, maintains, reconditions, repairs, or tests a package, container or packaging component that is represented, marked, certified, or sold as qualified for use in transporting hazardous materials in commerce
- Prepares hazardous materials for transportation
- Is responsible for safety of transporting hazardous materials
- Operates a vehicle used to transport hazardous materials.

## 5.5 Highway Route Controlled Quantity (HRCQ)

A quantity of radioactive materials within a single package which exceeds:

- 3,000 times the A1 value of the radionuclide as specified in 49 CFR Part 173.435 for special form Class 7 radioactive materials
- 3,000 times the A2 value of the radionuclide as specified in 49 CFR Part 173.435 for normal form Class 7 radioactive materials; or
- 1,000 TBq (27,000 Ci), whichever is least.

## 5.6 Motor Carrier Operations

Operations using drivers and CMVs to transport property or passengers in interstate commerce. This also includes hiring, supervising, training, assigning, or dispatching of drivers; and employees concerned with the installation, inspection, and maintenance of Commercial Motor Vehicles and/or accessories.

## 6.0 SOURCE REQUIREMENTS DOCUMENTS

- 49 CFR, Parts 40, 350 & 355-399, *Federal Motor Carrier Safety Administration*
- 49 CFR, Parts 100-185, *Hazardous Materials Regulations*
- DOE/RL-2001-36, *Transportation Safety Document*
- RCW 46.61.655, *Dropping load, other materials – Covering*
- RCW 46.25.010(6), *Definitions*
- MSC-PRO-166, *MSA Transportation Hazmat Employee Training*
- MSC-PRO-37561, *Department of Transportation Federal Motor Carrier Safety Management Plan*
- PRC-PRO-TP-166, *Transportation & Packaging Training*