
RRI'S ADVANCED DOT HAZMAT PACKAGING & TRANSPORT WORKSHOP

Syllabus — Course 301

Length: 4 days

Prerequisite: RRI's DOT Hazardous Materials Transport Workshop (Course 201)

Intensity: Mild Medium Challenging Extreme

Materials: RRI provides all training materials including the latest Mangan Communications, Inc. 49 CFR 100-185. Testing and course completion certificate are also provided.

Objectives & Topics:

Module 1: Introduction

Define the scope and applicability of the Hazardous Materials Regulations (HMRs).

1. Explain the application of the term "in-transportation" as it relates to the movement of hazardous materials.
2. Define "hazardous materials" subject to the HMRs.
3. Identify the shipper's responsibilities with regard to HMR compliance.

Module 2: Material Classification & Identification

Classify and identify the description for a material per the DOT HMR defining criteria.

1. Identify what is acceptable knowledge when classifying a material.
2. Classify a given material to the HMR hazard class/division defining criteria.
3. Determine, for a given hazmat, the primary and subsidiary(s) hazard class/division.
4. Select the most appropriate proper shipping name for a given hazmat package.
5. Recognize the importance of the Special Provisions.

Module 3: Packaging & Packages

Select the "optimal" package for transport of a given hazardous material.

1. Distinguish the two main divisions of non-bulk packaging.
2. State the minimum requirements for all non-bulk packages containing, or intended to contain, a DOT regulated hazardous material.
3. State the requirements of an excepted package for a given hazmat.
4. Decipher the information presented in a U.N. specification package marking.
5. Determine the maximum vapor pressure of material authorized in a given U.N. specification packaging.
6. Calculate the authorized fill limit for a given U.N. specification packaging.
7. Apply the requirements for a given exception or alternative package for hazmat.
8. State the two types of DOT exemptions and their application to a shipper/offeror.

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Module 4: Requirements for Transport

Apply the DOT hazard communication (marking, labeling, shipping papers, placards) requirements for a given hazardous material.

1. Identify the marking requirements for a given hazmat package.
2. Determine the labeling requirement for a given hazmat package.
3. Prepare the transport document for a given hazmat package/shipment.
4. Select the appropriate placards for a given transport vehicle.
5. Identify the hazard communication exceptions and allowances for a given hazmat.

Module 5: Control for Transport

Determine authorized vehicle loading configuration for packages of hazardous materials, and identify the DOT reporting and security requirements.

1. Determine, if any, the loading requirements and restrictions imposed on a given hazmat.
2. State when immediate notification to DOT must be made regarding a transport incident.
3. Identify when a written report must be filed to DOT concerning a transport incident.
4. Recognize the security requirements imposed by the DOT on shipments of hazmats.