

Syllabus — Course 403

Cost: Call RRI for on-site training costs.

Length: 2 days

Prerequisite: RRI's DOT Hazardous Materials & Radioactive Materials Transport Workshops (Courses 201 & 203)

Intensity: Mild Medium Challenging Extreme

Materials: RRI provides all training materials including the latest edition of the IMDG Code and GPO edition of the 49 CFR 100-185. Testing and course completion certificate are also provided.

Objectives & Topics:

Module 1: Introduction to the Radioactive Materials Transport Regulations

1. Recognize the scope of the Class 7 transport regulations.
2. Recognize the structure of the air transport regulatory bodies.
3. Recognize basic radiation and contamination principles.
4. State the general requirements for shippers.

Module 2: General Requirements, Provisions and Definitions

1. Define terms associated with Class 7 packaging and transport.
2. State the three core philosophies behind the Class 7 transport regulations.
3. Apply the interface requirements of the DOT to a given radioactive material air shipment prepared under the IMDG Code.
4. Apply the US Variations in the IMDG Code to a given radioactive material air shipment prepared under the IMDG Code.
5. Recognize additional limitations for the transport of Class 7 materials.

Module 3: The Graded Approach to Packages

1. Recognize the value of the Q-System in determining activity limits.
2. Appreciate the graded requirements prescribed for packages intended for transporting Class 7 materials.
3. Locate the general packaging requirements for Class 7 material packages.

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Module 4: Activity Limits and Material Restrictions

1. Define Class 7 material per the IMDG Code.
2. Categorize, by activity limits and definitions, Class 7 materials prepared under The IMDG Code.
3. Select the primary hazard for multiple/mixed Class 7 and dangerous goods materials.
4. Determine if a given Class 7 material meets the definition of a hazardous substance.

Module 5: Selection of Optimal Package Type

1. Identify the appropriate packaging for a given radioactive material shipment.
2. State packaging concerns associated with Class 7 material.

Module 6: Requirements for Transport

1. Decipher and apply information located in the List of Dangerous Goods.
2. Select the most appropriate proper shipping name for a given material.
3. Mark a Class 7 material package for shipment under the IMDG Code.
4. Determine the appropriate label(s) for a given Class 7 material package.
5. Prepare the transport documentation for a Class 7 material under The IMDG Code.
6. Apply a given the IMDG Code exception to a shipment of an excepted package of Class 7 material.

Module 7: Controls for Transport

1. Identify the maximum dose rates authorized for a Class 7 package.
2. Identify the maximum contamination limits for a Class 7 package.
3. State the separation and segregation requirements for a Class 7 package.
4. Recognize the limitations imposed on passengers concerning Class 7 materials.
5. Inspect a the IMDG Code Class 7 material shipment prior to release for transport.