

## Course Content

Canadian regulations (ground)

Shipper initial

To master the different steps of preparing shipment of non-radioactive goods by road under Canadian regulations. This training is intended for all those who need to pack, repack parcels and prepare shipping documents of dangerous goods by road.

### **Contents :**

- To understand the Transport of Dangerous Goods Clear Language guide edition; 49CFR (USA)
- TDG by road; Provincial Act (Quebec)
- Part 1 – Interpretation (definitions) Applications/Exception, exemptions and special cases Part 2 – Classification (9 classes and the packing groups).
- Appendices 1, 2, 3 – Selection designation for transport in Annexes 1 and 3 and specific provisions in Annex 2.
- Part 4 – Requirements for marking and labelling of packages and overpacks.
- Part 4 – (Continued) Requirements applicable labels and road transport plates.
- Part 5 – Safety of packaging: UN safe and TC/DOT.
- Part 3 – Establishment of document transportation.
- Parts 6, 7, 8, 9- To know and apply the specific requirements of the Canadian TDGR, ERAP, powers of inspectors, an emergency and equivalent level of safety.
- Regulatory requirements for training, practical workshops and discussion.

### **Course Material :**

- The use of the ICAO TI or IATA or Air shipper manual – Current edition
- Participant workbook
- Exam
- Training certificate

Duration: 2 days

Handler

To recognize labels and placards which identify dangerous goods, use the Guide as a reference tool, use a checklist before agreeing to transport dangerous goods. To develop a list of products transported including the shipping name, class and PIN of each product. It has acquired training in accordance with the requirements of the TDG Regulations Part 6.

### **Contents :**

- Familiarization with the Guidance on Transport of Dangerous Goods Clear Language Edition, 49 CFR (U.S.).
- Provincial Decree (Québec) on the transport of dangerous goods by road.
- Part 1 – Interpretation (definitions), Application / Exemptions and special cases.
- Part 2 – Classification (9 classes and packing groups).
- Part 4 – Requirements for marking and labelling of packages and overpacks.
- Part 4 – (Continued) Requirements applicable labels and road transport plates.
- Part 5 – Safety of packaging: UN safe and TC/DOT.
- Part 3 – Minimum Requirements document for transportation.

- Parts 6, 7, 8, 9- To know the specific requirements of the Canadian TDG, ERP, powers of inspectors, accidental release
- Regulatory requirements for training, practical workshops and discussion.

**Course Material :**

- Participant workbook
- Exam
- Training Certificate

Duration : 1.5 days

Driver

To recognize labels and placards which identify dangerous goods, use the Guide as a reference tool, use a checklist before agreeing to transport dangerous goods. To develop a list of products transported including the shipping name, class and PIN of each product. It has acquired training in accordance with the requirements of the TDG Regulations Part 6.

**Contents :**

- Familiarization with the Guidance on Transport of Dangerous Goods Clear Language Edition, 49 CFR (U.S.).
- Provincial Decree (Québec) on the transport of dangerous goods by road.
- Part 1 – Interpretation (definitions), Application / Exemptions and special cases.
- Part 2 – Classification (9 classes and packing groups).
- Part 4 – Requirements for marking and labelling of packages and overpacks.
- Part 4 – (Continued) Requirements applicable labels and road transport plates.
- Part 5 – Safety of packaging: UN safe and TC/DOT.
- Part 3 – Minimum Requirements document for transportation.
- Parts 6, 7, 8, 9- To know the specific requirements of the Canadian TDG, ERP, powers of inspectors, accidental release
- Regulatory requirements for training, practical workshops and discussion.

**Course Material :**

- Participant workbook
- Exam
- Training Certificate

Duration : half a day

Biohazard (infectious substances)

Every day, biological substances and dry ice are transported from sites such as hospitals, medical clinics and scientific research locations. Employee will get an overview of national and international regulations on transport of biological substances and cooling agents such as dry ice.

**Contents :**

- Classify and identify dangerous goods/hazardous materials pack biological substances;
- Mark, label or placard biological substances;
- Prepare transport documents for biological substances;
- Offer biological substances for transport;
- Handle biological substances in transport;
- Carry biological substances in transport;

- Enforce or survey or inspect for compliance with applicable rules and regulations; or are otherwise involved in the transport of dangerous goods as determined by the competent authority

**Course Material:**

- Student Handouts
- General Information
- Shipping by Air Chart
- UN Chart
- Shipping Biological Substances and Dry Ice Booklet
- Training certificate

Duration: 1 day

Radioactive material

This class provides information for shipping radioactive materials by air and ground (in Canada under the Transportation of Dangerous Goods Regulations and in the USA using the 49 CFR hazardous materials regulations.). Upon completion of this course, the student will be given a quiz and a certificate.

**Contents :**

- Overview of the ground and air regulations
- Definitions, enforcement and consequences
- What is RAM
- Using the dangerous goods list
- Selection of the shipping description
- Packaging requirements
- RAM packaging
- Marking and labeling RAM packages
- Shipping documents/declarations
- Placarding
- Loading/segregation
- Accidental releases
- Limitations

**Course Material:**

- Student Handouts
- General Information
- Training certificate

Duration: 1 day.

Explosives

This class provides information for shipping radioactive materials by air and ground (in Canada under the Transportation of Dangerous Goods Regulations and in the USA using the 49 CFR hazardous materials regulations.). Upon completion of this course, the student will be given a quiz and a certificate.

**Contents :**

- Overview of the ground and air regulations
- Definitions, enforcement and consequences
- Using the dangerous goods list
- Selection of the shipping description
- Packaging requirements
- Explosives packaging
- Marking and labeling of packages
- Shipping documents/declarations
- Placarding
- Loading/segregation
- Accidental releases
- Limitations

**Course Material:**

- Student Handouts
- General Information
- Training certificate

Duration: 1 day.

**Hazardous waste**

This is to train how to pack, repack packages and to prepare the federal documentation for dangerous waste declaration by ground. The employee will be able to apply each step upon preparation for shipment of dangerous waste by ground.

**Contents :**

- Familiarization with the Guidance on Transport of Dangerous Goods Act and Regulations on hazardous waste (Quebec).
- Interpretation (definitions).
- Application / Exemptions and special cases.
- Classification (9 classes and packing groups).
- Accurate security conditions, alphabetical and numerical lists special provisions.
- Requirements for marking and labeling of packages and overpacks.
- Requirements applicable to road transport plates.
- Establishment of the hazardous waste manifest.
- Know and apply the specific requirements of Canadian TDG.
- Regulatory requirements for training and practical workshops
- Forum for discussion, Review.

**Course material:**

- The use of the TDG regulations – Clear language edition\*
- Participant workbook
- Exam
- Training Certificate

Duration: 1 day

49 CFR (USA)

To master the different steps of preparing shipment of non-radioactive goods by road under US regulations. This training is intended for all those who need to pack, repack parcels and prepare shipping documents of dangerous goods by road.

**Contents :**

- Getting to know how 49 CFR works.
- Interpretation ( definitions).
- Application / exemptions.
- Classification ( 9 classes and packing groups ) .
- Choice of shipping names, alphabetical and numerical lists.
- Safety of packaging : UN, safe and TC / DOT .
- Marking requirements and labeling of packages and overpacks .
- Requirements for labels and placards for road transport .
- Establishment of shipping paper.
- Regulatory requirements for training and examination.
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- Course Materials:
- Participant workbook ,
- Use 49 CFR , American Act and Regulations ,
- Training certificate
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- Duration: 2 days

**ADR (Europe)**

- Awareness of regulatory requirements for the transportation of dangerous goods in Europe ;
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- 1. Know, establish and apply the provisions necessary to comply with the ADR requirements;
- 2. Know the responsibilities and tasks of the different actors (consignor, carrier, consignee, shipper, dangerous goods safety adviser, etc.)

**Contents :**

Presentation of the ADR

- The overall regulatory environment (ADR regulations, national regulations)
- Harmonization of several regulations ( ADR, RID, ADN)
- The ADR structure
- The principles of ADR norms: total or partial exemptions
- The essential concepts (PG and transport categories)
- The requirements for liability of the various actors
- Roles and missions of the shipper, carrier, consignee, shipper, packer
- Role and Mission of the safety adviser
- Criminal responsibility and jurisprudence
- The applicable requirements (main)
- The preparation of goods
- Signage: placarding and orange panels
- Documentation: the shipping document and the safety instructions

- The security protocol ( Decree of 26 April 1996)
- Check List of vehicles before starting controls and reception
  
- Duration: 2 Days