

## Course content

AIR

Shipper initial

The general objective of this training is to allow the students to apply all different stages for the preparation of a shipment of non-radioactive dangerous goods via air in accordance to national and international rules.

### **Contents :**

- Introduction to dangerous goods regulations and legislators
- Scope of the TDGR (Shipper responsibilities and training requirements according to the TDGR).
- General view of the current legislation on the International civil aviation organization Technical Instructions For The Safe Transport of Dangerous Goods by Air (ICAO TI) or IATA DGR
- Dangerous goods classification (classify their products under one of 9 classes and packing groups)
- Dangerous goods numerical and alphabetical lists (establish the proper shipping name)
- Learn how to pack in accordance with the applicable packing instructions (passenger or cargo aircraft)
- Understanding if exemptions or exceptions are applicable and how to apply them (excepted quantities, limited quantities, etc.)
- Apply the proper marking and labelling of packages and overpacks
- Requirements for placarding (TDGR – domestic regulations)
- Preparation of the shipping document (shipper's declaration for dangerous goods)
- Compatibility and Segregation of dangerous goods
- Nomenclature (Units of measure, abbreviations, symbols)
- States and Operators Variations (limits and exceptions)
- Consideration with other inland regulation requirements (TDGR)
- Workshops, exercises, revision and exam

### **Course Material:**

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

Duration: 3 days

Multimodal shipper initial

To apply the different steps of the shipping preparation of non-radioactive dangerous goods via all mode of transport (air, ground and sea) in accordance with international and national regulations.

### **Contents :**

- Introduction to dangerous goods regulations and legislators (TDGR, ICAO TI, IMO)
- Scope of the applicable regulations (Shipper responsibilities and training requirements).

- General view of the current legislation, Canadian TDGR, on the International Civil Aviation Organization Technical Instructions For The Safe Transport of Dangerous Goods by Air (ICAO TI) or AIR Shipper regulations or IATA DGR
- Dangerous goods classification (classify their products under one of 9 classes and packing groups)
- Dangerous goods numerical and alphabetical lists (establish the proper shipping name)
- Learn how to pack in accordance with the applicable packing instructions (passenger or cargo aircraft, CTU for sea and ground rules)
- Understanding if exemptions or exceptions are applicable and how to apply them (excepted quantities, limited quantities, etc.)
- Apply the proper marking and labelling of packages or overpacks
- Requirements for placarding (TDGR – inland and IMO regulations)
- Preparation of the shipping document (shipper's declaration for dangerous goods)
- Compatibility and Segregation of dangerous goods
- Nomenclature (Units of measure, abbreviations, symbols)
- States and operators Variations (limits and exceptions)
- Consideration with other inland regulation requirements (Canadian TDGR)
- Workshops, exercises, revision and exam

**Cours Material:**

- The use of the Canadian TDGR, the ICAO TI or AIR shipper manual or IATA DGR and IMDG Code – Current edition
- Participant workbook
- Exam
- Training certificate

Duration: 5 days

Handler initial / refresher

To recognize labels and placards identifying dangerous goods. To use the Canadian TDGR as a reference tool, use a checklist before the preparation of a shipment of dangerous goods or receiving a shipment. Will acquire training in accordance with the requirements of the Canadian TDGR Part 6.

**Contents :**

- Familiarization with the Canadian Transport of Dangerous Goods Regulations in Clear Language and the Provincial Decree on the transport of dangerous goods by ground.
- Interpretation (definitions), Application / Exemptions and special cases.
- Classification (recognize all of 9 classes and packing groups).
- Requirements for marking and labelling of packages and overpacks.
- Requirements applicable for placarding.
- Safety of packaging: UN specification, safe means of containment and TC/DOT.
- Minimum requirements for shipping documents.
- Understand the specific requirements of the Canadian TDGR, ERP, powers of inspectors, accidental release and immediate reporting
- Regulatory requirements for training, practical workshops and discussion.

**Course Material:**

- Participant workbook

- Exam
- Training certification

Duration : 2 days

Multimodal handler initial / refresher

To recognize labels and placards identifying dangerous goods. To use the Canadian TDGR, the ICAO TI and IMDG Code as a reference tool, use a checklist before the preparation of a shipment or receiving of dangerous goods. Will acquire training in accordance with the requirements of the Canadian TDGR Part 6.

**Contents :**

- Familiarization with the Canadian Transport of Dangerous Goods Regulations in Clear Language and the Provincial Decree on the transport of dangerous goods by ground.
- Interpretation (definitions), Application / Exemptions and special cases.
- Classification (recognize all of the 9 classes and packing groups).
- Requirements for marking and labelling of packages and overpacks.
- Requirements applicable to placarding for ground and sea transport.
- Standard packaging rules: UN specification, safe means of containment and TC/DOT.
- Minimum requirements for shipping documents.
- Understand the specific requirements of the Canadian TDGR, ICAO TI, IMDG Code, ERP, powers of inspectors, accidental release and immediate reporting
- Regulatory requirements for training, practical workshops and discussion.

**Course Material:**

- Participant workbook
- Examen
- Training certification

Duration : 2 days

Biohazard – Infectious substances

Employee will get an overview of national and international regulations on transport of biological substances and cooling agents such as dry ice in accordance with the requirements of the Canadian TDGR Part 6.

**Contents :**

- Classify and identify dangerous goods/hazardous materials, pack biological substances;
- Mark, label or placard biological substances;
- Prepare transport documents for infectious 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:**

- General information
- Student handouts
- Shipping by Air Chart

- Shipping infectious Substances and Dry Ice guidance tool
- 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). Upon completion of this course, the student will be trained in accordance with the requirements of the Canadian TDGR Part 6.

#### **Contents :**

- Overview of the ground and air regulations
- Definitions and enforcement
- What does RAM mean
- Using the dangerous goods list
- Selection of the shipping name
- Packaging requirements
- RAM packaging
- Marking and labeling of RAM packages
- Shipping documents / shipper's declarations
- Placarding
- Loading / segregation
- Accidental releases / immediate reporting
- Limitations / Exemptions / Exceptions

#### **Course Material:**

- Student Handouts
- General Information
- Training certificate

Duration: 1 day