

Orion DG Management Consultants Inc.
Competency Learning for Dangerous Goods Transport

Basis for Training

In conformance to the Canadian dangerous goods regulations (TDGR Part 6) and to the IMDG Code (Chapter 1.3.0) the Orion DG Management Consultants in-house DG training program is compliant with the following requirements.

TDGR Part 6

6.1 (1) A person who handles, offers for transport or transports dangerous goods must

- (a) be adequately trained and hold a training certificate in accordance with this Part; or
- (b) perform those activities in the presence and under the direct supervision of a person who is adequately trained and who holds a training certificate in accordance with this Part.

6.2 A person is adequately trained if the person has a **sound knowledge of all the topics listed in paragraphs (a) to (m) that relate directly to the person's duties** and to the dangerous goods the person is expected to handle, offer for transport or transport:

A partial list of training elements includes;

- (b) shipping names;
- (c) the use of Schedules 1, 2 and 3;
- (d) the shipping document ... in Part 3 (Documentation);
- (e) the dangerous goods safety marks Part 4
- (g) the ERAP requirements in Part 7
- (h) the report requirements in Part 8 (Reporting Requirements);
- (m) for marine transport, the requirements of the IMDG Code and the requirements of Part 11 (Marine) of these Regulations.

IMDG Code Chapter 1.3

The recommended training requirements as suggested by the IMDG Code define shore-based personnel such as those who:

- prepare transport documents for dangerous goods;
- offer dangerous goods for transport;
- accept dangerous goods for transport;

The Training Program comprises

General awareness/familiarization training:

- Includes a description of the classes of dangerous goods; labelling, marking, placarding, packing, stowage, segregation and compatibility provisions; a description of the purpose and content of the dangerous goods transport documents (such as the Multimodal Dangerous Goods Form and the Container/Vehicle Packing Certificate); and a description of available emergency response documents.

Function-specific training:

- Includes specific dangerous goods transport provisions which are applicable to the function that person performs.

Function	Specific training requirements
5 Prepare transport documents for dangerous goods	Documentation requirements <ul style="list-style-type: none">- transport document- container/vehicle packing certificate- competent authorities' approval- waste transport documentation- special documentation, where appropriate
6 Offer dangerous goods for transport	Thorough knowledge of the IMDG Code Local requirements at loading and discharge ports <ul style="list-style-type: none">- port by-laws- national transport regulations
7 Accept dangerous goods for transport	Thorough knowledge of the IMDG Code Local requirements at loading, transiting and discharge ports <ul style="list-style-type: none">- port by-laws, in particular quantity limitations- national transport regulations

Consequently,

- to ensure the required level of employee competency with respect to the training on the transport of dangerous goods consignments both intermodally in Canada and by sea internationally, ORION DG MANAGEMENT CONSULTANTS INC. in recognition of the current crisis due to the COVID-19 pandemic and the related safety issues; offers its self-directed self paced (SDSP) training program, comprised of the following modules, and satisfies the training requirements, enabling the issuance of the required competency certification.

The 4 Modules

1) Regulations

The applicability and organizational structure of and the specific use of various sections/chapters of the dangerous goods regulations (TDGR and IMDG Code). This includes information on classification and risks associated. Specific and exceptional national requirements, including the 24-hour number, emergency response assistance plans (ERAP), and incident reporting

2) Classification

A description of the 9 classes and including limited and excepted quantities. Marine pollutant and the issues related to specific provisions.

3) Consignment Procedures

a. Documentation

Information on the various elements and terminologies required for the issuance, preparation and verification of any documentation related to the transport of dangerous goods consignments. This includes any special documentation such as emergency response information where appropriate.

b. Safety marks

The requirements for marking, labelling and placarding of dangerous goods consignments.

c. Special Provisions

The application and meaning of Special Provisions and Exemptions

4) Transport Operations

Various topics related to Stowage and Segregation (compatibility groups), Cargo securing (the CTU Code), Container packing certification, transport forces and emergency response information.

Program Deliverables

The Orion DG Self-directed/Self-paced learning experience methodology consists of 4 components.

- 1) Learning materials comprises a series of learning sheets ((provided as full-page PowerPoint printouts in .pdf formats) for each of the 4 modules noted above. These are provided at the start of the window for learning. This window spans from 5-8 working days to enable participants to review all of the material at their convenience and without disrupting normal work routines.
 - 2) A document template that serves as a check list or as a set of Standard Procedures for the verification of the documentation process and defining essential elements that must be reviewed for each and every consignment prior to transport. This can be customized by the end user as necessary.
 - 3) A series of scheduled (direct or conference or video conference) calls (during the learning window) to enable participants to review the individual modules, raise questions and obtain guidance as to the application of any aspect, and to respond to specific day to day questions. This is subject to demand and advanced scheduling arrangements
 - 4) At the end of the learning window periods, a multiple-choice exam must be completed This evaluates the participants learning experience and also acts to confirm to the employer that the required level of competency has been achieved, enabling the issuance of a DG Competency Certification. The passing grade is TBD% and the remains valid for a period of 3 years.
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