



MERCHANT SHIPPING NOTICE

Issued by the Merchant Shipping Division, Sri Lanka

MSN 05/2010

**NOTICE TO PORT AUTHORITIES, SHIP OWNERS, MANAGERS, OPERATORS, SHIPPING AGENTS,
FREIGHT FORWARDERS, CAGO CLEARING AGENTS, TRAINING INSTITUTES, MASTERS AND
OFFICERS**

CHANGES TO INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG) CODE

The International Maritime Dangerous Goods (IMDG) Code has become a mandatory framework for all aspects of handling dangerous goods and marine pollutants designated for sea transport. Although it is primarily directed at sea transport, the provisions of the code affects a whole range of industries and services.

IMDG Code training is mandatory for all shore-based staff involved in dangerous goods transported by sea from January 2010

All shore-based personnel and individuals involved in the handling, packing, transporting, loading and unloading of dangerous goods are required to undergo appropriate training (As indicated on chapter 1.3.1 of the IMDG Code) and should comply with these requirements

Copy of the relevant pages of the IMDG Code is attached for reference

15 March 2010

*Merchant Shipping Division
Ministry of Ports and Aviation
43/89, Bristol Paradise Building
York Street,
Colombo 1,
Sri Lanka.*

Fax; ++9411-2435160

Chapter 1.3

Training

1.3.0 Introductory note

The successful application of regulations concerning the transport of dangerous goods and the achievement of their objectives are greatly dependent on the appreciation by all persons concerned of the risks involved and on a detailed understanding of the regulations. This can only be achieved by properly planned and maintained initial and retraining programmes for all persons concerned with the transport of dangerous goods. The provisions of paragraphs 1.3.1.4 to 1.3.1.7 remain recommendatory (see 1.1.1.5).

1.3.1 Training of shore-side personnel

1.3.1.1 Shore-based personnel* engaged in the transport of dangerous goods intended to be transported by sea shall receive training in the contents of dangerous goods provisions commensurate with their responsibilities. Training requirements specific to security of dangerous goods in chapter 1.4 shall also be addressed.

Entities engaging shore-based personnel in such activities shall determine which staff will be trained, what levels of training they require and the training methods used to enable them to comply with the provisions of the IMDG Code. This training shall be provided or verified upon employment in a position involving dangerous goods transport. For personnel who have not yet received the required training, the entities shall ensure that those personnel may only perform functions under the direct supervision of a trained person. The training shall be periodically supplemented with refresher training to take account of changes in regulations and practice. The competent authority, or its authorized body, may audit the entity to verify the effectiveness of the system in place, in providing training of staff commensurate with their role and responsibilities in the transport chain.

1.3.1.2 Shore-based personnel such as those who:

- classify dangerous goods and identify Proper Shipping Names of dangerous goods;
- pack dangerous goods;
- mark, label or placard dangerous goods;
- load/unload Cargo Transport Units;
- prepare transport documents for dangerous goods;
- offer dangerous goods for transport;
- accept dangerous goods for transport;
- handle dangerous goods in transport;
- prepare dangerous goods loading/stowage plans;
- load/unload dangerous goods into/from ships;
- carry dangerous goods 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

shall receive the following training:

1.3.1.2.1 *General awareness/familiarization training:*

- 1. each person shall receive training designed to provide familiarity with the general provisions of dangerous goods transport provisions;

* For the training of officers and ratings responsible for cargo handling on ships carrying dangerous and hazardous substances in solid form in bulk, or in packaged form, see the STCW Code, as amended.

- .2 such training shall include 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.

1.3.1.2.2 *Function-specific training:* Each person shall receive detailed training concerning specific dangerous goods transport provisions which are applicable to the function that person performs. An indicative list, for guidance purposes only, of some of the functions typically found in dangerous goods transport operations by sea and training requirements is given in paragraph 1.3.1.6.

1.3.1.3 Details of all the training undertaken shall be kept by both the employer and the employee. Training records shall be made available to the competent authority if requested.

1.3.1.4 *Safety training:* Commensurate with the risk of exposure in the event of a release and the functions performed, each person should receive training on:

- .1 methods and procedures for accident avoidance, such as proper use of package-handling equipment and appropriate methods of stowage of dangerous goods;
- .2 available emergency response information and how to use it;
- .3 general dangers presented by the various classes of dangerous goods and how to prevent exposure to those hazards, including, if appropriate, the use of personal protective clothing and equipment; and
- .4 immediate procedures to be followed in the event of an unintentional release of dangerous goods, including any emergency response procedures for which the person is responsible and personal protection procedures to be followed.

1.3.1.5 Recommended training needs for shore-side personnel involved in the transport of dangerous goods under the IMDG Code

The following indicative table is for information purposes only as every entity is arranged differently and may have varied roles and responsibilities within that entity.

Function	Specific training requirements	Numbers in this column refer to the list of related codes and publications in 1.3.1.7
1 Classify dangerous goods and identify Proper Shipping Name	Classification requirements, in particular <ul style="list-style-type: none"> – the structure of the description of substances – the classes of dangerous goods and the principles of their classification – the nature of the dangerous substances and articles transported (their physical, chemical and toxicological properties) – the procedure for classifying solutions and mixtures – identification by Proper Shipping Name – use of Dangerous Goods List 	.1, .4, .5 and .12
2 Pack dangerous goods	Classes Packaging requirements <ul style="list-style-type: none"> – type of packages (IBC, large packaging, tank container and bulk container) – UN marking for approved packagings – segregation requirements – limited quantities and excepted quantities Marking and labelling First aid measures Emergency response procedures Safe handling procedures	.1 and .4
3 Mark, label or placard dangerous goods	Classes Marking, labelling and placarding requirements <ul style="list-style-type: none"> – primary and subsidiary risk labels – marine pollutants – limited quantities and excepted quantities 	.1

Part 1 – General provisions, definitions and training

Function	Specific training requirements	Numbers in this column refer to the list of related codes and publications in 1.3.1.7
4 Load/unload cargo transport units*	Documentation Classes Marking, labelling and placarding Stowage requirements, where applicable Segregation requirements Cargo securing requirements (as contained in the IMO/ILO/UNECE Guidelines) Emergency response procedures First aid measures CSC requirements Safe handling procedures	.1, .6, .7 and .8
5 Prepare transport documents for dangerous goods	Documentation requirements – transport document – container/vehicle packing certificate – competent authorities' approval – waste transport documentation – special documentation, where appropriate	.1
6 Offer dangerous goods for transport	Thorough knowledge of the IMDG Code Local requirements at loading and discharge ports – port byelaws – national transport regulations	.1 to .10 and .12
7 Accept dangerous goods for transport	Thorough knowledge of the IMDG Code Local requirements at loading, transiting and discharge ports – port byelaws, in particular quantity limitations – national transport regulations	.1 to .12
8 Handle dangerous goods in transport	Classes and their hazards Marking, labelling and placarding Emergency response procedures First aid measures Safe handling procedures such as – use of equipment – appropriate tools – safe working loads CSC requirements, local requirements at loading, transit and discharge ports Port byelaws, in particular, quantity limitation National transport regulations	.1, .2, .3, .6, .7, .8 and .10
9 Prepare dangerous goods loading/stowage plans	Documentation Classes Stowage requirements Segregation requirements Document of compliance Relevant IMDG Code parts, local requirements at loading, transit and discharge ports Port byelaws, in particular, quantity limitations	.1, .10, .11 and .12
10 Load/unload dangerous goods into/from ships	Classes and their hazards Marking, labelling and placarding Emergency response procedures First aid measures Safe handling procedures such as – use of equipment – appropriate tools – safe working loads Cargo securing requirements CSC requirements, local requirements at loading, transit and discharge ports Port byelaws, in particular, quantity limitation National transport regulations	.1, .2, .3, .7, .9, .10 and .12

* Definition as per IMO/ILO/UNECE Guidelines for Packing of Cargo Transport Units.

Function	Specific training requirements	Numbers in this column refer to the list of related codes and publications in 1.3.1.7
11 Carry dangerous goods	Documentation Classes Marking, labelling and placarding Stowage requirements, where applicable Segregation requirements Local requirements at loading, transit and discharge ports – port byelaws, in particular, quantity limitations – national transport regulations Cargo securing requirements (as contained in the IMO/ILO/UNECE Guidelines) Emergency response procedures First aid measures CSC requirements Safe handling procedures	.1, .2, .3, .6, .7, .10, .11 and .12
12 Enforce or survey or inspect for compliance with applicable rules and regulations	Knowledge of IMDG Code and relevant guidelines and safety procedures	.1 to .12
13 Are otherwise involved in the transport of dangerous goods, as determined by the competent authority	As required by the competent authority commensurate with the task assigned	–

1.3.1.6 Indicative table describing sections of the IMDG Code or other relevant instruments that may be appropriate to be considered in any training for the transport of dangerous goods

Function	IMDG Code part / section																	SOLAS chapter II-2/19	Port Byelaws	National transport regulations	CSC	Guidelines for Packing of Cargo Transport Units	Emergency Response Procedures	First aid measures	Safe handling procedures
	1	2	2.0	3	4	5	6	6*	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9								
1 Classify	X	X		X		X										X	X								
2 Pack in packages	X		X	X	X	X	X			X						X	X	X					X	X	X
3 Mark, label, placard			X	X		X															X	X	X	X	X
4 Load/unload cargo transport units	X		X	X	X	X		X	X	X		X	X	X	X						X	X	X	X	X
5 Prepare transport documents	X		X	X		X										X	X						X	X	
6 Offer for transport	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7 Accept for transport	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8 Handle in transport	X		X	X		X		X											X	X	X		X	X	X
9 Prepare loading/stowage plans	X		X	X	X	X			X	X	X	X	X	X	X	X	X	X	X				X		
10 Load/unload from ships	X	X		X		X											X		X	X	X	X	X	X	X
11 Carry	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Remarks:

* Only sections 6.1.2, 6.1.3, 6.5.2, 6.6.3, 6.7.2.20, 6.7.3.16 and 6.7.4.15 apply

Part 1 – General provisions, definitions and training

1.3.1.7 Related Codes and publications which may be appropriate for function-specific training

- .1 International Maritime Dangerous Goods (IMDG) Code, as amended
- .2 The EmS Guide: Emergency Response Procedures for Ships Carrying Dangerous Goods (EmS), as amended
- .3 Medical First Aid Guide for Use in Accidents Involving Dangerous Goods (MFAG), as amended
- .4 United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations, as amended
- .5 United Nations Recommendations on the Transport of Dangerous Goods – Manual of Tests and Criteria, as amended
- .6 IMO/ILO/UNECE Guidelines for Packing of Cargo Transport Units (CTUs)
- .7 Recommendations on the Safe Transport of Dangerous Cargoes and Related Activities in Port Areas
- .8 International Convention for Safe Containers (CSC), 1972, as amended
- .9 Code of Safe Practice for Cargo Stowage and Securing (CSS Code), as amended
- .10 MSC.1/Circ.1265 Recommendations on the safe use of pesticides in ships applicable to the fumigation of cargo transport units
- .11 International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
- .12 International Convention for the Prevention of Pollution from Ships 1973 as modified by the Protocol of 1978 (MARPOL 73/78), as amended.