

## **Marine Notice No. 28 of 2009**

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### **Dangerous Goods – Training of Shore Side Personnel**

TO SHIPPERS, SHIPPING AND BOOKING AGENTS, STEVEDORES, WAREHOUSE OPERATORS, TRANSPORT OPERATORS, CARGO SUPERINTENDANTS AND CONTAINER PLANNERS

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#### *Summary*

This notice relates to general awareness / familiarisation training (refer to 1.3.1.2.1) of the IMDG code. Function specific training is required with effect from January 1, 2010 (refer to 1.3.1.2.2. 2008 edition of the IMDG code)

#### **General Awareness / familiarisation training:**

- Each person shall receive training designed to provide familiarity with the general provisions of the dangerous goods transport provisions.
- Such training shall include a description of the classes of dangerous goods; labelling , marking, placarding, packaging, stowage, segregation and compatibility provisions; a description of the purpose and content of the dangerous goods transport document (such as the multimodal dangerous goods form and the container / vehicle packing certificate; and a description of available emergency response document.
- 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 operation by sea and training requirements is given in paragraph 1.3.1.6 of the IMDG code.
- 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.

#### **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 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

The IMDG Code under 1.3.1.5 lists recommended training needs for shore based personnel involved in the transport of dangerous goods under the IMDG Code

<b>Function</b>	<b>Specific Training Requirements</b>	<b>Numbers in this column refer to the list of related codes and publications in 1.3.1.7</b>
1. Classify dangerous goods and identify Proper Shipping Name	Classification requirements, in particular <ul style="list-style-type: none"> <li>• The structure of the description of substances</li> <li>• The classes of dangerous goods and the principles of their classification</li> <li>• The nature of the dangerous substances and articles transported (their physical, chemical and toxicological properties)</li> <li>• The procedure for classifying solutions and mixtures</li> <li>• Identification by Proper Shipping Name</li> <li>• Use of Dangerous Goods List</li> </ul>	.1, .4, .5 and .12
2. Pack dangerous goods	Classes Packaging requirements <ul style="list-style-type: none"> <li>• Type of packages (IBC, large packaging, tank container and bulk container)</li> <li>• UN marking for approved packagings</li> <li>• Segregation requirements</li> <li>• Limited quantities and excepted quantities</li> </ul> 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"> <li>• Primary and subsidiary risk labels</li> <li>• Marine pollutants</li> <li>• Limited quantities and excepted quantities</li> </ul>	.1
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)	.1, .6, .7 and .8

	<p>Emergency response procedures  First aid measures  CSC requirements  Safe handling procedures</p>	
5. Prepare transport documents for dangerous goods	<p>Documentation requirements</p> <ul style="list-style-type: none"> <li>• Transport document</li> <li>• Container/vehicle parking certificate</li> <li>• Competent authorities approval</li> <li>• Waste transport documentation</li> <li>• Special documentation, where appropriate</li> </ul>	.1
6. Offer dangerous goods for transport	<p>Thorough knowledge of the IMDG Code  Local requirements at loading and discharge ports</p> <ul style="list-style-type: none"> <li>• Port byelaws</li> <li>• National transport regulations</li> </ul>	.1 to .10 and .12
7. Accept dangerous goods for transport	<p>Thorough knowledge of the IMDG code  Local requirements at loading, transiting and discharge ports</p> <ul style="list-style-type: none"> <li>• Port byelaws, in particular quantity limitations</li> <li>• National transport regulations</li> </ul>	.1 to .12
8. Handle dangerous goods in the transport	<p>Classes and their hazards  Marking, labelling and placarding  Emergency response procedures  First Aid measures  Safe handling procedures such as</p> <ul style="list-style-type: none"> <li>• Use of equipment</li> <li>• Appropriate tools</li> <li>• Safe working loads</li> </ul> <p>CSC requirements, local requirements at loading transit and discharge ports  Port byelaws, in particular quantity limitation  National transport regulations</p>	.1, .2, .3, .6, .7, .8 and .10
9. Prepare dangerous goods loading/stowage plans	<p>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</p>	.1, .10, .11 and .12
10. Load/unload dangerous goods into / from ships	<p>Classes and their hazards  Marking, labelling and placarding  Emergency response procedures  First Aid measures  Safe handling procedures such as</p> <ul style="list-style-type: none"> <li>• Use of equipment</li> </ul>	.1, .2, .3, .7, .10, and .12

	<ul style="list-style-type: none"> <li>• Appropriate tools</li> <li>• Safe working loads</li> </ul> <p>Cargo securing requirements CSC requirements, local requirements at loading transit and discharge ports Port byelaws, in particular, quantity limitation National transport regulations</p>	
11. Carry dangerous goods	<p>Documentation Classes Marking, labelling and placarding Stowage requirements, where applicable Segregation Requirements Local requirements at loading, transit and discharge ports</p> <ul style="list-style-type: none"> <li>• Port byelaws, in particular, quantity limitations</li> <li>• National transport regulations</li> </ul> <p>Cargo securing requirements (as contained in the IMO/ILO/UNECE Guidelines) Emergency response procedures First aid measures CSC requirements Safe handling procedures</p>	.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	

### **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 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.

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