_	_	4-	-4-
O		тe	nts

_					
Н	n	rev	W	n	rd

Preamble

PART1	GENERAL PROV	ISIONS	DEFINITIONS AND	TRAINING
1 / 31 3 1 1		1010110.		

	Cha	pter 1.1	General	provisions
--	-----	----------	---------	------------

- 1.1.0 Introductory note
- 1.1.1 Application and implementation of the Code
- 1.1.2 Conventions
- 1.1.3 Dangerous goods forbidden from transport

Chapter 1.2 Definitions, units of measurement and abbreviations

- 1.2.1 Definitions
- 1.2.2 Units of measurement
- 1.2.3 List of abbreviations

Chapter 1.3 Training

- 1.3.0 Introductory note
- 1.3.1 Training of shore-side personnel

Chapter 1.4 Security provisions

- 1.4.0 Scope
- 1.4.1 General provisions for companies, ships and port facilities
- 1.4.2 General provisions for shore-side personnel
- 1.4.3 Provisions for high consequence dangerous goods

Chapter 1.5 General provisions concerning radioactive material

- 1.5.1 Scope and application
- 1.5.2 Radiation protection program
- 1.5.3 Quality assurance
- 1.5.4 Special arrangement
- 1.5.5 Radioactive material possessing other dangerous properties
- 1.5.6 Non-compliance

PART 2 CLASSIFICATION

Chapter 2.0 Introduction

- 2.0.0 Responsibilities
- 2.0.1 Classes, divisions, packing groups
- 2.0.2 UN numbers and proper shipping names
- 2.0.3 Classification of substances, mixtures and solutions with multiple hazards (precedence of hazard characteristics)
- 2.0.4 Transport of samples
- 2.0.5 Transport of wastes

Chapter 2.1 Class 1 - Explosives

- 2.1.0 Introductory notes
- 2.1.1 Definitions and general provisions
- 2.1.2 Compatibility groups and classification codes

	2.1.3	Classification procedure
Chapter	2.2	Class 2 - Gases
	2.2.0	Introductory note
	2.2.1	Definitions and general provisions
	2.2.2	Class subdivisions
	2.2.3	Mixtures of gases
Chapter	2.3	Class 3 - Flammable liquids
·	2.3.0	Introductory note
	2.3.1	Definitions and general provisions
	2.3.2	Assignment of packing group
	2.3.3	Determination of flashpoint
	2.3.4	Determination of initial boiling point
Chapter	2.4	Class 4 - Flammable solids; substances liable to spontaneous combustion substances which, in contact with water, emit flammable gases
	2.4.0	Introductory note
	2.4.1	Definition and general provisions
	2.4.2	Class 4.1 - Flammable solids, self-reactive substances and solid desensitized explosives
	2.4.3	Class 4.2 - Substances liable to spontaneous combustion
	2.4.4	Class 4.3 - Substances which, in contact with water, emit flammable gases
	2.4.5	Classification of organometallic substances
Chapter		Class 5 - Oxidizing substances and organic peroxides
	2.5.0	Introductory note
	2.5.1	Definitions and general provisions
	2.5.2	Class 5.1 - Oxidizing substances
	2.5.3	Class 5.2 - Organic peroxides
Chapter		Class 6 - Toxic and infectious substances
	2.6.0	Introductory notes
	2.6.1	Definitions Class 6.1 - Toxic substances
	2.6.3	Class 6.2 - Infectious substances
Ohamton		
Chapter		Class 7 - Radioactive material
	2.7.1	Definitions Classification
	/	
Chapter		Class 8 - Corrosive substances
	2.8.1	Definition and properties
	2.8.2	Assignment of packing groups
Chapter	·2.9	Miscellaneous dangerous substances and articles (class 9) and environmentally hazardous substances
	2.9.1	Definitions
	2.9.2	Assignment to class 9
	2.9.3	Environmentally hazardous substances (aquatic environment)
	2.9.4	Lithium batteries
Chapter		Marine pollutants
	2.10.1	Definition
		·
	2.10.3	Classification

See volume 2

PACKING AND TANK PROVISIONS PART4

Chapter 4.1	Use of packagings, including intermediate bulk containers (IBCs) and large
4.1.0	packagings Definitions
4.1.1	General provisions for the packing of dangerous goods in packagings, including IBCs and large packagings

- 4.1.2 Additional general provisions for the use of IBCs 4.1.3
- General provisions concerning packing instructions
- 4.1.4 List of packing instructions Packing instructions concerning the use of packagings (except IBCs and large packagings) Packing instructions concerning the use of IBCs Packing instructions concerning the use of large packagings
- 4.1.5 Special packing provisions for goods of class 1
- Special packing provisions for goods of class 2 4.1.6
- 4.1.7 Special packing provisions for organic peroxides (class 5.2) and self-reactive substances of class 4.1
- 4.1.8 Special packing provisions for infectious substances of category A (class 6.2, UN 2814 and UN 2900)
- 4.1.9 Special packing provisions for radioactive material

Chapter 4.2 Use of portable tanks and multiple-element gas containers (MEGCs)

- 4.2.0 Transitional provisions
- 4.2.1 General provisions for the use of portable tanks for the transport of substances of class 1 and class 3 to 9
- 4.2.2 General provisions for the use of portable tanks for the transport of non-refrigerated liquefied gases and chemicals under pressure
- 4.2.3 General provisions for the use of portable tanks for the transport of refrigerated liquefied gases of class 2
- 4.2.4 General provisions for the use of multiple-element gas containers (MEGCs)
- 4.2.5 Portable tank instructions and special provisions Portable tank instructions Portable tank special provisions
- 4.2.6 Additional provisions for the use of road tank vehicles

Chapter 4.3 Use of bulk containers

- 4.3.1 General provisions
- 4.3.2 Additional provisions applicable to bulk goods of classes 4.2, 4.3, 5.1, 6.2, 7 and 8
- 4.3.3 Additional provisions for the use of sheeted bulk containers (BK1)
- 4.3.4 Additional provisions for the use of flexible bulk containers (BK3)

PART5 **CONSIGNMENT PROCEDURES**

Chapter 5.1 General provisions

- 5.1.1 Application and general provisions
- 5.1.2 Use of overpacks and unit loads
- 5.1.3 Empty uncleaned packagings or units
- 5.1.4 Mixed packing
- 5.1.5 General provisions for class 7
- 5.1.6 Packages packed into a cargo transport unit

Chapter 5.2 Marking and labelling of packages including IBCs

- 5.2.1 Marking of packages including IBCs
- 5.2.2 Labelling of packages including IBCs

Chapter 5.3	Placarding and marking of cargo transport units
5.3.1	Placarding
5.3.2	Marking of cargo transport units
Chapter 5.4	Documentation
5.4.1	Dangerous goods transport information
5.4.2	Container/vehicle packing contents
5.4.3	Documentation required aboard the ship
5.4.4	Other required information and documentation
5.4.5	Multimodal Dangerous Goods Form
5.4.6	Retention of dangerous goods transport information
Chapter 5.5	Special provisions
5.5.1	[Reserved]
5.5.2	Special provisions applicable to fumigated cargo transport units (UN 3359)
5.5.3	Special provisions applicable to packages and cargo transport units containing substances presenting a risk of asphyxiation when used for cooling or conditioning purposes (such as dry ice (UN 1845) or nitrogen, refrigerated liquid (UN 1977) or argon, refrigerated liquid (UN 1951))
(IBCs), LARGE	NAND TESTING OF PACKAGINGS, INTERMEDIATE BULK CONTAINERS PACKAGINGS, PORTABLE TANKS, MULTIPLE-ELEMENT GAS (MEGCs) AND ROAD TANK VEHICLES
Chapter 6.1	Provisions for the construction and testing of packagings (other than for class
	6.2 substances)
6.1.1	Applicability and general provisions
6.1.2	Code for designating types of packagings
6.1.3	Marking
6.1.4	Provisions for packagings
6.1.5	Testprovisions for packagings
Chapter 6.2	Provisions for the construction and testing of pressure receptacles, aerosol dispensers, small receptacles containing gas (gas cartridges) and fuel cell cartridges containing liquefied flammable gas
6.2.1	General provisions
6.2.2	Provisions for UN pressure receptacles
6.2.3	Provisions for non-UN pressure receptacles
6.2.4	Provisions for aerosol dispensers, small receptacles containing gas (gas cartridges) and fuel cell cartridges containing liquefied gas
Chapter 6.3	Provisions for the construction and testing of packagings for class 6.2 infectious substances of category A
6.3.1	General provisions
6.3.2	Provisions for packagings
6.3.3	Code for designating types of packagings
6.3.4	Marking
6.3.5	Testprovisions for packagings
Chapter 6.4	Provisions for the construction, testing and approval of packages and radioactive material
6.4.1	[Reserved]
6.4.2	General provisions
6.4.3	Additional provisions for packages transported by air
6.4.4	Provisions for excepted packages
6.4.5	Provisions for industrial packages
6.4.6	Provisions for packages containing uranium hexafluoride

PART6

6.4	4.7	Provisions for Type A packages
6.4	4.8	Provisions for Type B(U) packages
6.4	4.9	Provisions for Type B(M) packages
6.4	4.10	Provisions for Type C packages
6.4	4.11	Provisions for packages containing fissile material
6.4	4.12	Testprocedures and demonstration of compliance
6.4	4.13	Testing the integrity of the containment system and shielding and evaluating criticality safety
6.4	4.14	Target for drop tests
6.4	4.15	Test for demonstrating ability to withstand normal conditions of transport
6.4	4.16	Additional tests for Type A packages designed for liquids and gases
6.4	4.17	Tests for demonstrating ability to withstand accident conditions of transport
	4.18	Enhanced water immersion test for Type B(U) and Type B(M) packages containing more than $10^5 A_2$ and Type C packages
6.4	4.19	Water leakage test for packages containing fissile material
6.4	4.20	Tests for Type C packages
6.4	4.21	Tests for packagings designed to contain uranium hexafluoride
6.4	4.22	Approvals of package designs and materials
6.4	4.23	Applications for approval and approvals for radioactive material transport
6.4	4.24	Transitional measures for class 7
Chapter 6.5		Provisions for the construction and testing of intermediate bulk containers (IBCs)
6.	5.1	General requirements
6.	5.2	Marking
6.	5.3	Construction requirements
6.	5.4	Testing, certification and inspection
6.	5.5	Specific provisions for IBCs
6.	5.6	Testprovisions for IBCs
Chapter 6.6	6 I	Provisions for the construction and testing of large packagings
•	6.1	General
	6.2	Code for designating types of large packagings
6.0	6.3	Marking
6.0	6.4	Specific provisions for large packagings
	6.5	Testprovisions for large packagings
Chapter 6.7		Provisions for the design, construction, inspection and testing of portable tanks and multiple-element gas containers (MEGCs)
6.	7.1	Application and general provisions
	7.2	Provisions for the design, construction, inspection and testing of portable tanks intended for the transport of substances of class 1 and classes 3 to 9
6.7	7.3	Provisions for the design, construction, inspection and testing of portable tanks intended for transport of non-refrigerated liquefied gases of class 2
6.7	7.4	Provisions for the design, construction, inspection and testing of portable tanks intended for the transport of refrigerated liquefied gases of class 2
6.7	7.5	Provisions for the design, construction, inspection and testing of multiple-element gas containers (MEGCs) intended for the transport of non-refrigerated gas
Chapter 6.8	8 1	Provisions for road tank vehicles
•	8.1	General
	8.2	Road tank vehicles for long international voyages for substances of classes 3 to 9
	8.3	Road tank vehicles for short international voyages
Chapter 6.9	9 1	Provisions for the design, construction, inspection and testing of bulk containers

	6.9.3	Provisions for the design, construction, inspection and testing of freight containers used as BK1 or BK2 bulk containers
	6.9.4	Provisions for the design, construction and approval of BK1 or BK2 bulk containers other than freight containers
	6.9.4	Requirements for the design, construction, inspection and testing of flexible bulk containers BK3
7	PROVISIONS	CONCERNING TRANSPORT OPERATIONS
	Chapter 7.1	General stowage provisions
	7.1.1	Introduction
	7.1.2	Definitions
	7.1.3	Stowage categories Stowage categories
	7.1.4	Special stowage provisions
	7.1.5	Stowage codes Stowage codes
	7.1.6	Handling codes
	Chapter 7.2	General segregation provisions
	7.2.1	Introduction
	7.2.2	Definitions
	7.2.3	Segregation provisions
	7.2.4	Segregation table
	7.2.5	Segregationgroups
	7.2.6	Special segregation provisions and exemptions
	7.2.7	Segregation of goods of class 1
	7.2.8	Segregation codes
		Annex: Segregation flow chart
	Chapter 7.3	Consigning operations concerning the packing and use of cargo transport units (CTUs) and related provisions
	7.3.1	Introduction
	7.3.2	General provisions for cargo transport units
	7.3.3	Packing of cargo transport units
	7.3.4	Segregation provisions within cargo transport units
	7.3.5	Tracking and monitoring equipment
	7.3.6	Opening and unloading cargo transport units
	7.3.7	Cargo transport units under temperature control
	7.3.8	Loading of cargo transport units on board ships
	Chapter 7.4	Stowage and segregation on containerships
	7.4.1	Introduction
	7.4.2	Stowage requirements
	7.4.3	Segregation requirements
	Chapter 7.5	Stowage and segregation on ro-roships
	7.5.1	Introduction
	7.5.2	Stowage provisions
	7.5.3	Segregation provisions
	Chapter 7.6	Stowage and segregation on general cargo ships
	7.6.1	Introduction
	7.6.2	Stowage and handling provisions
	7.6.3	Segregation provisions
	Chapter 7.7	Shipborne barges on barge-carrying ships
	Onaptor 7.7	Chipponio bargoo on bargo oan ying ompo

6.9.1

6.9.2

PART

Definitions

Application and general provisions

7.7.	1 Introduction
7.7.	2 Definitions
7.7.	3 Barge loading
7.7.	4 Stowage of shipborne barges
7.7.	Segregation between barges on board barge-carrying ships
Chapter 7.8	Special requirements in the event of an incident and fire precautions involving dangerous goods
7.8.	1 General
7.8.	2 General provisions in the event of incidents
7.8.	3 Special provisions for incidents involving infectious substances
7.8.	4 Special provisions for incidents involving radioactive material
7.8.	5 General fire precautions
7.8.	Special fire precautions for class 1
7.8.	7 Special fire precautions for class 2
7.8.	9 Special fire precautions and fire fighting for class 7
Chapter 7.9	Exemptions, approvals and certificates
7.9.	1 Exemptions
7.9.	2 Approvals (including permits, authorizations or agreements) and certificates
7.9.	3 Contact information for the main designated national competent authorities
APPENDICES	
Appendix A	List of generic and N.O.S. proper shipping names
Sec	e volume 2
Appendix B	Glossary of terms

INDEX

See volume 2

See volume 2