

**PART II RULES FOR THE CONSTRUCTION
AND CLASSIFICATION OF SHIPS
IDENTIFIED BY THEIR MISSION**

**INTERNATIONAL CODE FOR THE
CONSTRUCTION AND EQUIPMENT OF SHIPS
CARRYING DANGEROUS CHEMICALS IN BULK,
1983, AS AMENDED 2004**

TITLE 33 CHEMICAL TANKERS

PREAMBLE

CHAPTER A PREAMBLE

CHAPTER CONTENTS

A1. PREAMBLE

A1. PREAMBLE

101. The present Title 34 is a transcription of the **International Code for The Construction and Equipment of Ships Carrying Liquefied Gases in Bulk, 1983, as amended 1990, 1992, 1994, 1996, 2006.**

- a. The Code has been divided into Sections numbered according to the RBNA Rules (Part I, Title 01, Section 1, Chapter D) and procedures, but the original item numbers of the Code have been maintained immediately to the side of the RBNA item numbers.
- b. The term “Code” has been replaced by “Rules”.
- c. The term “Administration” has been replaced by RBNA except when “Administration” means the Port or Maritime Authority.
- d. This Preamble presents the correspondence between the Code Sections and the RBNA Sections, Chapters and Subchapter.
- e. That correspondence is given in Table T.A1.101.1 below.
- f. Texts which have originated from IMO, RBNA or IACS interpretations have been written in *italics as shown below*:

Example:

903. ***IMO's interpretation (MSC/Circ.406/Rev.1) items B1.708 (2.7.8) and B1.801 (2.8.1):***

Longitudinal extent of damage to superstructure. The longitudinal extent of damage to superstructure in the instance of side damage to a machinery space aft under paragraph B1.801 (2.8.1) should be the same as the longitudinal extent....

End of example

- g. Texts which are taken from the Code have been marked by a line at the right side of the text as shown below:

Example

| **100. 1.1 Application**

101. 1.1.1 The present Rules applies to ships regardless of their size, including those of less than 500 gross tonnage, engaged in carriage of liquefied gases having a vapour pressure.

End of example

102. Although some chapters, such as chapter 18 of the Code, are operational they have been maintained so as not to disrupt the text of the Code.

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TABLE T.A1.101.1 – CORRESPONDENCE BETWEEN THE CODE SECTIONS AND CHAPTERS AND RBNA CHAPTERS, SUBCHAPTERS AND TOPICS

Code Section	Code Chapter	RBNA Section	RBNA Chapter	RBNA Subchapter	RBNA Topic	Description
1		1	A	A.1		GENERAL
	1.1				100	General
	1.2				200	Hazards
	1.3				300	Definitions
	1.4				400	Equivalents
	1.5				500	Surveys and Certification
2		6	B	B1		SHP SURVIVAL CAPABILITY AND LOCATION OF CARGO TANKS
	2.1				100	General
	2.2				200	Freeboard and intact stability
	2.3				300	Shipside discharges below the freeboard deck
	2.4				400	Conditions of loading
	2.5				500	Damage assumptions
	2.6				600	Location of cargo tanks
	2.7				700	Flooding assumptions
	2.8				800	Standard of damage
	2.9				900	Survival requirements
3		6	C	C1		SHIP ARRANGEMENTS
	3.1				100	Cargo segregation
	3.2				200	Accommodation, service and machinery spaces and control stations
	3.3				300	Cargo pump room
	3.4				400	Access to spaces in the cargo area
	3.5				500	Bilge and ballast arrangements
	3.6				600	Pump and pipeline identification
	3.7				700	Bow or stern loading and unloading arrangements
4		6	A	A1		CARGO CONTAINMENT
	4.1				100	Definitions
	4.2				200	Tank requirements for individual products
5		6	B	B1		CARGO TRANSFER
	5.1				100	Piping scantlings
	5.2				200	Piping fabrication and joining details
	5.3				300	Flange connections
	5.4				400	Test requirements for piping
	5.5				500	Piping arrangements
	5.6				600	Cargo-transfer control systems
5.7	700	Ship's cargos hoses				
6		2	A	A1		MATERIALS, LININGS AND COATINGS
7		6	C	C1		CARGO TEMPERATURE CONTROL
	7.1				100	General
	7.2				200	Additional requirements
8		6	D	D1		CARGO TANK VENTING AND GAS FREEING ARRANGEMENTS
	8.1				100	Application
	8.2				200	Cargo tank venting
	8.3				300	Types of tank venting systems
	8.4				400	Venting requirements for individual products
	8.5				500	Cargo tank gas-freeing
8.6	600	Cargo system valving requirements				

	8.7				700	Ship cargo hoses
	8.8				800	Cargo transfer methods
	8.9				900	Vapour return connections
Code Section	Code Chapter	RBNA Section	RBNA Chapter	RBNA Subchapter	RBNA Topic	Description
9		6	E	E1		ENVIRONMENTAL CONTROL
	9.1				100	General
	9.2				200	Environmental control requirements for individual products
10		7	A	A1		ELECTRICAL INSTALLATIONS
	10.1				100	General
	10.2				200	Bonding
	10.3				300	Electrical requirements for individual products
11		3	A	A1		FIRE PROTECTION AND FIRE EXTINGUISHMENT
	11.1				100	Application
	11.2				200	Cargo pump-rooms
	11.3				300	Cargo area
	11.4				400	Special requirements
12		6	F	F1		MECHANICAL VENTILATION IN THE CARGO AREA
	12.1				100	Spaces normally entered during cargo-handling operations
	12.2				200	Pump-rooms and other enclosed spaces normally entered
	12.3				300	Spaces not normally entered
13		6	G	G1		INSTRUMENTATION
	13.1				100	Gauging
	13.2				200	Vapour detection
14		3	B	B1		PERSONNEL PROTECTION
	14.1				100	Protective equipment
	14.2				200	Safety equipment
	14.3				300	Emergency equipment
15		ANNEX I	A	A1		SPECIAL REQUIREMENTS – PART I
	15.1				100	General
	15.2				200	Ammonium nitrate solution (93% or less)
	15.3				300	Carbon disulphide
	15.4				400	Diethyl ether
	15.5				500	Hydrogen peroxide solutions
	15.6				600	Motor fuel anti-knock compounds
	15.7				700	Phosphorus, yellow or white
	15.8				800	Propylene oxide or ethylene oxide/propylene oxide mixtures with an ethylene oxide content of not more than 30% by mass
	15.9				900	Sodium chlorate solution (50% or less by mass)
				A2		SPECIAL REQUIREMENTS – PART II
	15.10				100	Sulphur (molten)
	15.11				200	Acids
	15.12				300	Toxic products
	15.13				400	Cargoes protected by additives
	15.14				500	cargoes with a vapour pressure greater than 0.1013 MPa absolute at 37.8°C
	15.16				600	argo contamination
	15.17				700	Increased ventilation requirements
	15.18				800	Special cargo pump-room requirements

	15.19				900	Overflow control
				A3		SPECIAL REQUIREMENTS – PART III
	15.20				100	Alkyl (C7-C9) nitrates, all isomers
	15.21				200	Temperature sensors
Code Section	Code Chapter	RBNA Section	RBNA Chapter	RBNA Subchapter	RBNA Topic	Description
16		ANNEX II	A	A1		USE OF CARGO AS FUEL
	16.1				100	Maximum allowable quantity of cargo per tank
	16.2				200	Cargo information
	16.3				300	Personnel training
	16.4				400	Opening of and entry into cargo tanks
	16.5				500	Stowage of cargo samples
	16.6				600	Cargoes not to be exposed to excessive heat
17		ANNEX III	A	A1		SPECIAL REQUIEREMENTS – <i>Equipment and systems</i>
					100	Explanatory notes to the summary of minimum requirements
					200	Products
18		ANNEX IV	A	A1		SUMMARY OF MINIMUM REQUIREMENTS
					100	List of products for which the Code does not apply
19		ANNEX V	A	A1		SUMMARY OF MINIMUM REQUIREMENTS
					100	List of products carried in bulk
20		ANNEX VI	A	A1		TRANSPORT OF LIQUID CHEMICAL WASTE
	20.1				100	Preamble
	20.2				200	Definitions
	20.3				300	Applicability
	20.4				400	Permitted shipments
	20.5				500	Documentation
	20.6				600	Classification of liquid chemical wastes
	20.7				700	Carriage and handling of liquid chemical wastes
21		ANNEX VII	A	A1		CRITERIA FOR ASSIGNING CARRIAGE REQUIREMENTS FOR PRODUCTS SUBJECT TO THE IBC CODE
	21.1				100	Introduction
	21.2				200	Contents
	21.3				300	Minimum safety and pollution criteria for products subject to chapter 17 of the IBC Code
	21.4				400	Criteria used to assign the minimum carriage requirements for products, which meet the minimum safety or pollution criteria to make them subject to chapter 17 of the IBC Code
	21.5				500	Criteria for special requirements in chapter 15 to be included in column o
	21.6				600	Criteria for special requirements in chapter 16 to be included in column o
	21.7				700	Definitions