

INTRODUCTION

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I1. TECHNICAL COMMITTEES

The Technical Committees of RBNA are as follows:

OPEN SEA NAVIGATION

INLAND NAVIGATION

MATRERIALS AND WELDING

I2. APPLICATION OF THE RULES

The present RULES have been developed for the purpose of classification of metallic hull vessels operation in open sea areas.

Unless otherwise stated, the RULE 2014 edition is applicable from 01 July 2014.

The interpretation of the RULES is of sole competency of REGISTRO BRASILEIRO DE NAVIOS E AERONAVES - RBNA. The citation of the RULES will be valid only under authorization of the RBNA Administration. The total or partial reproduction of the RULES shall be valid only under written authorization from the RBNA Administration.

I3. RULE BASIC CONTENTS

I3. 1. Basic subject division

The organization of the present BOOK OF RULES comprises: PARTS, TITLE, SECTION AND CHAPTERS. The CHAPTERS are divided into SUBCHAPTERS, TOPICS AND PARAGRAPHS. Indexes for each Chapter is included in the beginning of each Section.

For the criteria of division into Chapters, see Part I, Title 01, Section 1, Chapter D, Subchapter D3, topic D3.100 and D3.200.

For the criteria of division into Titles, see Part I, Title 01, Section 1, Chapter D, Subchapter D3, topic D3.100 and D3.300.

For the criteria of division into Section 1 to 8, s, see Part I, Title 01, Section 1, Chapter D, Subchapter D3, topic D3.100 and D3.400.

The present RULES are divided into Parts I, II and III which comprise booklets and groups of Titles, to facilitate the search for the several ships and their missions, the control of future alterations and the organization for printing.

In Part I and Part III the Sections are described at the beginning of each Chapter.

In Part II, the Sections are classified according to their technical nature:

Hull Sections:	Machinery Sections:	Electricity/Electronics Sections:
Section 1 – Naval Architecture;	Section 5 – Engines and Mechanics;	Section 7 – Electricity;
Section 2 – Structure;	Section 6 – Piping;	Section 8 – Nautics and Electronics.
Section 3 – Hull Equipment;		
Section 4 – Accommodation;		

The basic subject classification is shown in Table T.Introduction.I3.1

TABLE T. INTRODUCTION I3. 1 – RULE SUBDIVISION BY SUBJECT

	Part I – Class Management
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Introduction		
TITLE		SECTION
01	Class - Assignment	1 Class – Facts 2 Class – Management
02	Class - Maintenance	1 Surveys – Periodicity 2 Surveys – Scope

	Part II – Rules for the Construction and Classification of Ships Identified by to their Missions
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Group 10 – Ships in General		
TITLE		SECTION
11	Ships in General	1 Naval Architecture 2 Structure 3 Hull Equipment 4 Accommodation 5 Engines and Mechanics 6 Piping 7 Electricity 8 Nautics and Electronics

Group 10 – Dry Cargo		
TITLE		SECTION
12	Container Ships	1 Naval Architecture 2 Structure 3 Hull Equipment 6 Piping
14	Bulk Carriers	1 Naval Architecture 2 Structure 6 Piping
15	Roll on - Roll off Cargo Ships	1 Naval Architecture 2 Structure 3 Hull Equipment 6 Piping 7 Electricity
16	Offshore Barges	2 Structure

Group 20 – Passenger		
TITLE		SECTION
21	Passenger Ships	1 Naval Architecture 3 Hull Equipment 6 Piping 7 Electricity 8 Nautics and Electronics
22	Ferry Boat	1 Naval Architecture
25	High Speed Craft - HSC	1 Naval Architecture 3 Hull Equipment 4 Accommodation 5 Engines and Mechanics 7 Electricity 8 Nautics and Electronics
26	Roll on - Roll off Passenger Ship	1 Naval Architecture 2 Structure 3 Hull Equipment 6 Piping 7 Electricity

Group 30 – Liquid Bulk Cargoes		
TITLE		SECTION
31	Liquid Bulk	1 Naval Architecture
32	Oil tankers	1 Naval Architecture 3 Hull Equipment 5 Engines and Mechanics 6 Piping 7 Electricity
33	Chemical tankers	1 Naval Architecture 2 Structure 3 Hull Equipment 6 Piping 7 Electricity
34	Liquefied Gas Carriers	1 Naval Architecture 2 Structure 3 Hull Equipment 5 Engines and Mechanics 6 Piping 7 Electricity
35	Oil Recovery Ships – Rec Oil	1 Naval Architecture 2 Structure 3 Hull Equipment 6 Piping 7 Electricity

Group 40 – Service Ships		
TITLE		SECTION
41	Fishing boats	1 Naval Architecture 3 Hull Equipment
42	Tug Boat / Pusher	1 Naval Architecture 3 Equipment
43	Dredgers and Mud Barges	1 Naval Architecture 2 Structure 3 Hull Equipment 6 Piping
44	Special Purpose Ships	1 Naval Architecture 3 Hull Equipment 5 Engines and Mechanics 7 Electricity 8 Nautics and Electronics
45	Floating Crane	1 Naval Architecture 3 Hull Equipment
46	Floating Dock	1 Naval Architecture 2 Structure
47	Supply Vessels	1 Naval Architecture 2 Structure 5 Engines and Mechanics 6 Piping 7 Electricity
48	Diving Support Vessels	1 Naval Architecture 3 Hull Equipment 7 Electricity 8 Nautics and Electronics

Group 100 – Additional Class Notations		
TITLE		SECTION
101	Lay-up vessels	
102	Automation Systems	5 Engines and Mechanics
103	Dynamic Position	8 Nautics and Electronics
104	Carriage of Dangerous Goods	1 Naval Architecture 3 Hull Equipment 7 Electricity
111	Fire Fighting Vessels	1 Naval Architecture 3 Hull Equipment 6 Piping 8 Nautics and Electronics

		Part III – Construction Components	
Group 60 – Materials and Equipment			
TITLE		SECTION	
61	Material and Procedures for the Hull	2	Structure
		3	Hull Equipment
		4	Accommodation
62	Materials and Procedures for Machinery	5	Engines and Mechanics
		6	Piping
63	Materials and Procedures for Electricity, Electronics and Nautics	7	Electricity
		8	Nautics and Electronic

The explanations about the division of the Rules are to be found in Part I, Title 01, Section 1, Chapter D, Subchapter D3.

The Sections in Part II, not mentioned in Table T.Introduction.I3.1 are indicated in Table T.Introductions.I3.2 below.

I3.2. Title requirement application map

The following Table displays the Title sections for which there are specific requirements, marked by an “X”. Where there is no such marking, the Title containing the requirements is specified. The basic requirements, i.e., those applicable for all vessels in general, are comprised in Title 11. Where the mark “-” is displayed, it means “not applicable”.

TABLE T. INTRODUCTION I3.2 TITLES FOR WHICH THERE ARE SPECIFIC REQUIREMENTS

Mission (type) of ship →		GENERAL CARGO SHIP	CONTAINER	BULK CARRIER	ROLL ON ROLL OFF CARGO SHIP	OFFSHORE BARGES	PASSENGER SHIP	FERRY BOAT	HIGH SPEED CRAFT	ROLL ON ROLL OFF PASSENGER SHIP
<div> <div>Title →</div> <div>Section ↓</div> </div>		T 11	T 12	T 14	T 15	T 16	T 21	T 22	T25	T 26
NAVAL ARCHITECTURE	S1	X	X	X	X	X	X	X	X	T11
STRUCTURE	S2	X	X	X	X	T11	T15	T11	X	X
HULL EQUIPMENT	S3	X	X	T11	X	X	T15	X	X	T11
ACCOMMODATION	S4	X	T11	T11	T11	T11	T11	X	T11	T11
ENGINE AND MECHANICS	S5	X	T11	T11	T11	T11	T11	X	T11	T11
PIPING	S6	X	X	X	X	X	T26	T11	X	T11
ELECTRICITY	S7	X	T11	T11	X	X	T26	X	X	T11
NAUTICS ELETRONICS	S8	X	T11	T11	T11	X	T11	X	T11	T11

Mission (type) of ship →		LIQUID BULK	OIL TANKERS	CHEMICAL TANKERS	LIQUEFIED GAS CARRIERS	OIL RECOVERY SHIPS	FISHING BOAT	TUG BOAT	DREDGERS AND MUD BARGES	SPECIAL PURPOSE SHIPS
Section ↓	Title →	T 31	T 32	T 33	T34	T 35	T 41	T 42	T 43	T44
NAVAL ARCHITECTURE	S1	X	X	X	X	X	X	X	X	X
STRUCTURE	S2	T11	T11	X	X	T11	T11	X	T11	X
HULL EQUIPMENT	S3	T11	X	X	X	X	X	X	X	X
ACCOMMODATION	S4	T11	T11	T11	T11	T11	T11	T11	T11	T11
ENGINE AND MECHANICS	S5	T11	X	T11	X	T11	T11	T11	X	T11
PIPING	S6	T11	X	X	X	T11	T11	X	T11	X
ELECTRICITY	S7	T11	X	X	X	T11	T11	T11	X	X
NAUTICS ELETRONICS	S8	T11	T11	T11	T11	T11	T11	T11	X	T11

Mission (type) of ship →		FLOATING CRANE	FLOATING DOCK	SUPPLY VESSELS	DIVING SUPPORT VESSELS	LAY-UP	AUTOMATION SYSTEMS	DYNAMIC POSITION	DANGEROUS GOODS	FIRE FIGHTING VESSELS
<div> <div>Title →</div> <div>Section ↓</div> </div>		T45	T 46	T 47	T48	T 101	T 102	T 103	T104	T111
NAVAL ARCHITECTURE S1		X	X	X	X				X	X
STRUCTURE S2		T11	X	X	T11					
HULL EQUIPMENT S3		X	T11	T11	X				X	X
ACCOMMODATION S4		T11	T11	T11	T11					
ENGINE AND MECHANICS S5		T11	T11	X	T11		X			
PIPING S6		T11	T11	X	T11					X
ELECTRICITY S7		T11	T11	X	X				X	
NAUTICS ELETRONICS S8		T11	T11	T11	X			X		X

Note (1) One specific section only.

I3.3 Number of pages

The pages for the 2014 edition of the Rules are numbered by each Section within a Title.

Thus page 2-3, e.g., corresponds to the third page of Section 2 within the Title displayed in the page heading.

In the example below, the heading is for Title 01, Section 1:

Thus page number “2-1” means the first page in Section 2 of Title 11.

I3.4 Summary of alterations for the 2014 edition of the Rules in relation to the 2008 edition

See Annex 1.

VALIDITY: from 01 July de 2014.

I4. RBNA CONDITIONS OF ACTION

The actions of RBNA in the classification process comprises the following conditions:

RBNA is committed to assess the design and check periodically the conditions of the vessel in conformity to the Rules, for the purpose of being ready to issue, endorse, suspend or eventually cancel the CLASS CERTIFICATES;

The contracting party shall be committed to make available the documents and facts of the construction and operation processes of the vessel in what regards assignment of Class.

ANNEX 1 – TABLE OF RECORDS

Part I, Title 01, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
I	01	1	A1	100	Classification	A	NA	Text alteration for better understanding
			A3		IACS Audit	I	IACS QSCS	Included for compliance with IACS QSCS
			A4		Early warning system	I	IACS PR 02	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
			B2	102	Definitions	I	IACS PR 11 IACS PR 29	Incorporated for compliance with IACS QSCS These PR's were incorporated in the Rules
			B3	101	Service notations	D	Analysis of the 2008 Rules	Separation of what is a service notation, inherent to the mission of the vessel, from what is an additional class notation, optional additions to the class of a vessel, with deletion of previous Table T.B3.101.1 and elaboration of a new Table T.B3.101.1 Addition of the Table T.B3.301.1 for Additional Class Notations Additional text correlating RBNA areas of navigation with NORMAM 01 areas of navigation.
				300	Additional Class Notations	D	Analysis of 2008 Rules	Additional Class Notations shifted from group 50 to group 100. The definitions have been substantially revised.
						D	Analysis of 2008 Rules	Redefinition of the Automation Class notations for easy association with the NORMAM notations
						I	IMO IMSBC Code	Notations for Dangerous Goods due to the development of Title 104
						I		Notations for grab (bulk carriers) due to the development of Title 14
						D	Development of Fi-Fi Rules	Firefighting notations due to development of Title 49
						I	IACS UR N1 IMO Regulations (see Pt. II, Ttl11, Sec8, Chap F)	Notations for CNC Centralized Navigation Center due to the development of Title 102 in the light of IMO resolutions and SOLAS Chapters 5 and 12
						I	IACS UR Z11	Definition of the vessels subject to the ESP programme Mandatory Ship Type and Enhanced Survey Programme (ESP) Notations
			G1			A		Alteration of several texts for clearer understanding

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			J1		Field of application	A		Alteration of several texts for clearer understanding
			K		Transfer of Class	I	IACS PR 1A	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
			L		Double or dual class	I	IACS PR 1B	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
			M		Suspension / withdrawal of class	I	IACS PR 1C	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
			N		Statutory certification without change of flag	I	IACS PR 12	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
			O		Change of flag	I	IACS PR 28	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
			P		Transparency of classification and statutory information		IACS PR 03	Incorporated for compliance with IACS QSCS
			T3		Conditions of class	I	IACS PR 35	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules

Part I, Title 01, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
I	01	2	A	A2.101	Stages for classification of newbuildings	D	Internal research	Explanation of 101.c and 10.d
			B	B1.300	Submission of plans for approval	D	Internal research	Included the submission of plans in virtual files and the distribution of hardcopies for Statutory Certifications
				B3	International Regulations	D	Internal research	Included the International Regulations which had not been included in the 2008 Edition
			C	C3	Ship inspections for existing ships classed by IACS Society	I	IACS PR 1A Section B	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
				C4	Ship inspections for existing ships NOT classed by IACS Society	D	Internal research	Included based on the IACS text and employing BV Rules as a reference, due to the fact that it is not unusual to class ships which are out of class or classed by non-IACS Societies.
				C5	Supervision of construction of the hull for new buildings – all ships	I	IACS UR Z23	Incorporated for compliance with IACS QSCS This is a development in relation to the 2008 Rules.
				C6	Ships carrying liquefied gases in bulk - examination before and after the first loaded voyage	I	IACS UI GC13	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
			E	E9.101/102	Periodical surveys in vessels for special service (chemical tankers and gas carriers)	D	Development of Pt. I, Title 02, Section 2	The reference to the IGC and IBC codes was exchanged for a cross reference to Part I, Title 02, Section 2, which incorporated IACS UR Z texts containing the rules for the survey of the subject vessels.
			F	F3	Design and Type Approval - Manufacturer's approval	I	IACS UR Z17	Incorporated for compliance with IACS QSCS The former text was deleted due to the fact that whatever information the former text contained is to be found much expanded in the UR Z17 text
			F	F4	Service suppliers	I	IACS UR Z17	Incorporated for compliance with IACS QSCS The former text was deleted due to the fact that whatever information the former text contained is to be found much expanded in the UR Z17 text

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			F	F5	Component certification		IACS Z17 UR	Incorporated for compliance with IACS QSCS The former text was deleted due to the fact that whatever information the former text contained is to be found much expanded in the UR Z17 text The table T.D2.601.1 was included based on the Rule requirements
			F	F9	Planned maintenance scheme	I	IACS Z20 UR	Incorporated for compliance with IACS QSCS
				F10	Acceptance of manufacturer's quality control assurance systems for welding consumables	I	IACS Rec 17	Incorporated for compliance with IACS QSCS
			G	G1	Statutory services: Mandatory applications of IACS Unified interpretations	I	IACS PR 31	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules

Part I, Title 02, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
I	02	1	A	A2.303	Hull intermediary survey	E		Former text was deleted to be substituted by IACS text referent to the realization of the intermediary hull survey at the 2nd or 3rd annual surveys
				A2.303	Hull intermediary survey	I	Excerpts from IACS UR Z7	Incorporated for compliance with IACS QSCS
				A2.401	Docking survey		Excerpts from IACS UR Z7	Incorporated for compliance with IACS QSCS The former text was contained in the new IACS text.
				A3	Renewal survey			The former text was superseded by IACS UR Z7

Part I, Title 02, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
I	02	2	A	A1	General	D	Development of the rule IACS UR Z1 IMO Res. A.997(25)	This is a new chapter and supersedes the previous text. The chapter contains a description of the Part I, Title 02, Section 2, indicating the application of each Chapter and the resulting service notation. The unified requirement identifies the Annual and Intermediate Survey requirements of IMO Res. A.997(25) "Survey Guidelines Under the Harmonized System of Survey and Certification, 2007", as amended by IMO Res. A.1053(27), which are, as a minimum, to be covered by classification surveys. These requirements have been included in the present Rules in the relevant Chapters, whenever applicable. The texts have been based on those of Res. A.997(25) as amended by Res. A.1053(27). In cases where the Administration has delegated authority for the Society to act on its behalf, the remainder of A.997(25) as amended by A.1053(27) is carried out as a statutory requirement by the Society on behalf of the Administration. Reference is made to IACS Rec 99 for vessels under 500 GT. The application of IACS Rec 99 is made explicit in the relevant chapters.
				A2	Preparation for survey - vessels not subject to ESP programs	I	IACS UR Z.5.5, IACS URZ 7.1.5; IACS URZ 7.2, IACS Rec 78	Each IACS UR Z for a specific vessel contains a first chapter denominated "Conditions for Survey". These have all been put together in this Subchapter A2 and the specific requirement for different types of vessels are added in each relevant chapter.
				A3.	Preparation for surveys - vessels subject to the ESP programme	I	IACS: URZ 10.1 URZ 10.2 URZ 10.3 URZ 10.4 URZ 10.5 URZ 13	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules because it was deemed relevant and other IACS Class Societies have also included this PR in their rules
				A4	Imposing and clearing class recommendations	I	IACS PR 35 NORMAM 06	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
				A5	Procedures for thickness measurements	I	IACS PR 19	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
				A6	Passenger ships - guidelines for preparation of hull structural surveys		IACS Rec 111	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules
			B	B1.	Procedure and scope of surveys for vessels under 500 GT	D	IACS Rec 99 IACS UR Z 7.1	This Chapter B is based on the previous 2008 edition text, expanded and associated with the relevant items from UR Z7.1, and from Rec 99. Therefore, it is considered an inclusion where the previous texts have been incorporated.
				B1. 100	Preparation for survey	D		Text modified for new organization of the Rules.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				B1. 300	Calibration of measuring equipment	I	UR Z19	Incorporated for compliance with IACS QSCS
				B2. 100	Items for inspection, vessels under 500 GT	D I	IACS UR Z7.1 IACS Rec 99 2008 Rule text	Several texts have been maintained and several inclusions made from the IACS UR and Rec shown at the column "Source". Item 201 has been deleted. Item B2.517 shifted to item B2.600.
				B2. 300	Items for inspection, vessels under 500 GT	D E		Texts referring to lifeboat engine inspection has been deleted as it is part of Statutory Surveys and not included in Class
				B3	Renewal surveys	I D	IACS UR Z7.2	The IACS UR Z7.2 was considered adequate for vessels under 500 GT Table T.B3.211.1 containing the minimum requirements for thickness measurements at the special survey derived from IACAS UR Z7.1 with inclusions from the previous text (2008 text). New tables were added: T B3.211.2 for T.B3.211.3 for thickness measurements in suspect areas and internal examination of oil and freshwater tanks. The former Subchapter A3 was superseded and included in Chapter B3 as indicated in the Draft file. Former item 402, referent to the survey of propulsion shafts, had been concentrated in Part I, Title 02, Section 2, Subchapter C6. i.e., what was part of a general chapter has been shifted to a specialized chapter.
			C		Survey of all vessels equal to or over 500 GT	I	IACS UR Z7	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.
				C1	General	I	IACS URZ 7.1	Incorporated for compliance with IACS QSCS 2008 texts incorporated
				C2	Annual surveys for vessels with GT \geq 500	I	IACS UR Z7 / UR Z1	Incorporated for compliance with IACS QSCS 2008 texts incorporated.
				C2.	C2.200 Inspection of hatchcovers	I	IACS UR Z4	Incorporated for compliance with IACS QSCS 2008 texts incorporated
				C3	Intermediate surveys for vessels with GT \geq 500	I	IACS UR Z7	Incorporated for compliance with IACS QSCS 2008 texts incorporated
				C4	Dry docking survey for all ships	I	IACS UR Z3	Incorporated for compliance with IACS QSCS The previous 2008 text was intermixed with the new text
				C5	In water survey for all ships	I	IACS UR Z3	Incorporated for compliance with IACS QSCS The previous 2008 text was intermixed with the new text
				C6	Survey of propeller shafts and tube shafts for all ships	I	IACS UR Z21	Incorporated for compliance with IACS QSCS The previous 2008 text is contained in the IACS text.
				C7	Renewal survey for all ships	I	IACS UR Z7	Same as for annual and intermediate surveys.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				C8	Survey of steam boilers	D	NR 13 IACS UR Z18.2	<p>The requirements of the present Part I, Title 02, Section 1, Sub-chapter B8 are applicable to all boilers destined to operate in vessels flying the Brazilian flag which are subject to the regulations of NR-13 standard.</p> <p>The present requirements also apply for boilers built in other Countries destined to operate in vessels built for the Brazilian flag.</p> <p>The requirements for tests according to International Standards such as ASME V are applicable. However, whenever such Standards are in conflict with NR13, the requirements of NR13 are to be complied with. This is specially the case with the time-limits for the inspection of boilers, which are shorter than IACS and other Standards recommendations.</p>
			D		Hull surveys of general cargo vessels equal to or over 500 GT	I	IACS UR Z7.1	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.
				D1	Application	I	IACS UR Z7	Incorporated for compliance with IACS QSCS
				D2	Definitions	I	IACS UR Z7	This is a totally new Chapter, not existing in the 2008 Rules
				D3	Additional requirements for hull intermediate surveys	I	IACS UR Z7	Incorporated for compliance with IACS QSCS
				D4	Additional requirements for hull renewal survey	I	IACS UR Z7	This is a totally new Chapter, not existing in the 2008 Rules
				D5	Procedures for thickness measurements	I	UR Z10.1	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.
			E		Additional requirements for hull surveys of single and double skin bulk carriers of GT ≥ 500	I D	IACS UR Z10.2 IACS URZ 10.5	<p>Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.</p> <p>The developers merged both URZ 10.2 and URZ 10.5, for single and double hull bulk carriers, in one Chapter, presenting several texts in the form of tables without altering the contents, for better understanding and shortening of text.</p>
			F		Additional requirements for hull surveys of single and double skin bulk carriers of GT ≥ 500	I D	IACS UR Z10.1 IACS URZ 10.4	<p>Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.</p> <p>The developers merged both URZ 10.1 and URZ 10.4, for single and double hull bulk carriers, in one Chapter, presenting several texts in the form of tables without altering the contents, for better understanding and shortening of text.</p>
			G		Additional requirements for hull surveys of chemical tankers	I D	IACS UR Z10.3 IACS UR Z1	<p>Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.</p> <p>The requirements for cargo installations are from IMO resolution A.997(25) as amended by Res. A.1053(27) and have been included as per IACS UR Z1 requirements.</p>

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			H		Additional requirements for hull surveys of liquid gas carriers		IACS UR Z7.2	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules. The requirements for cargo installations are from IMO resolution A.997(25) as amended by Res. A.1053(27) and have been included as per IACS UR Z1 requirements.
				H6	Surveys of cargo installations on ships carrying liquefied gases in bulk		IACS UR Z16	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules
				H7	Surveys of cargo installations on ships carrying liquefied gases in bulk – annual survey		IACS UR Z1 IACS UR Z16	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules. Part of the requirements for cargo installations are from IMO resolution A.997(25) as amended by Res. A.1053(27) and have been included as per IACS UR Z1 requirements.
				H8	Surveys of cargo installations on ships carrying liquefied gases in bulk – intermediate survey		IACS UR Z16	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.
				H9	Surveys of cargo installations on ships carrying liquefied gases in bulk – renewal survey		IACS UR Z16	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.
			I		Survey requirements for shell and inner door for ro-ro ships		IACS UR Z24	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules.
			J		Requirements for the Surveyor	I	IACS	This is a new chapter developed by incorporation of IACS texts referring to surveyors. See below.
				J1	How to control the thickness measurement process	I	IACS Rec 77	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules
				J2	Requirement for certain ESP surveys	I	IACS PR 20	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules because it was deemed relevant and other IACS Class Societies have also included this PR in their rules
				J3	Procedure for imposing / clearing recommendations of class	I	IACS PR 35	Incorporated for compliance with IACS QSCS This PR was incorporated in the Rules because it was deemed relevant and other IACS Class Societies have also included this PR in their rules

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				J4	Uniform application of solas reg. II-1/3-9 in association with msc.1/circ.1331	I	IACS Rec 119	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules
			K		Survey guidelines for tanks in which soft coatings have been applied	I	IACS REC 116	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules
			L		Tolerance limits	A		
				L1	Diminution limit of minimum longitudinal strength of ships in service	I		Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules
				L4	Recommended maximum allowable rudder pintle clearance	I	IACS REC 61	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules
			M		Reporting by surveyors of deficiencies relating to possible safety management system failures	i	[IACS PR17	Incorporated for compliance with IACS QSCS This is a totally new Chapter, not existing in the 2008 Rules

Part II, Title 11, Section 1

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	1	A	A2.106	Definition of block coefficient	I	IACS UR S2.2	Incorporated for compliance with IACS QSCS
				A2.112	Freeboard deck	I	IACS UI ILL 55	Incorporated for compliance with IACS QSCS
				A2.124		I	ILLCC NORMAM 01	Incorporated for compliance with IACS QSCS
				A2.145	Premeability	I	IACS UI SC 225	Incorporated for compliance with IACS QSCS
				A2.150	Scantling length L	I	IACS UR S2	Incorporated for compliance with IACS QSCS
				A2.153	Enclosed superstructure	I	IACS UI LL3	Incorporated for compliance with IACS QSCS
			B	B1.200	List of documents	A		List completed by research in other SC's
				B1.300	International regulations	A		Added due to IMO regulations not included in the previous texts

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				B2. 400	Additional measures to ensure mandatory application of IACS Unified Interpretations	D	IACS PR 31	Text developed to insure application of the IACS UI's, according to IACS procedure UR 31
			C	C2	Ship movements	I	IACS CSR for bulk carriers, Chapter 5 Research into other CS's	Incorporated for compliance with IACS QSCS
			D	D1. 200	Statutory surveys	D		Included to take into account vessels with AB > 500 complying with IMO regulations, while in the previous text reference was made to NORMAM 01 only.
			E	E2	Basic general arrangement			Reference was made to Title 21, which was not present in the previous text
			H	H1	Load line assignment	D	IACS PR 31	Text developed to insure application of the IACS UI's, according to IACS procedure UR 31
			H	H4. 100 and H4. 200	Buoyancy and subdivision of the hull	D	SOLAS IBC CODE IGC CODE	Text developed to take into account the requirements for buoyancy and subdivision in SOLAS and in mandatory IMO Codes
				H5. 100	Intact Stability	D	IACS REC 24 IACS UI L2, IMO A.749 (18) mended by MSC.267(85)	Texts developed to include the IACS texts and reference to IMO Stability Code in a development of the texts of the 2008 edition of the Rules
				H5. 200	Loading conditions	D	IACS UR S1 – IMO IS CODE Research into other CS's	Text developed to include the loading conditions according to the vessel type and the requirements applicable form the relevant Codes and Regulations
				H5. 400	Free surface	I	IACS UI LL61	Incorporated for compliance with IACS QSCS
				H5. 500	Stability check for vessels under 500 GT	D	NORMAM 01	Developed to clearly indicate the regulations for vessels under 500 GT
				H5. 600	Stability booklet	I	IMO IS CODE IACS Rec 24	Incorporated for compliance with IMO IS Code according to IACS recommendation Rec 24
				H5. 700	Permanent ballast	D	IMO IS CODE IACS Rec 24	Developed for compliance with IMO IS Code according to IACS recommendation Rec 24

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				H6	Damaged stability	D	SOLAS Regulation II-1/4 through 7-3 Regulation 28, Annex I, MARPOL 73/78 IGC Code IBC Code SOLAS Regulation II-1/4 through 8-1 Part B-1, Chapter II of Annex 2 to resolution MSC 216(82) IMO Resolution MSC.235(82)	Developed for compliance with the SOLAS damaged stability regulations
			J	J1	Onboard computers for stability calculations	I	IACS UR L5	Incorporated for compliance with IACS QSCS
				J7	Requirements for loading conditions, loading manuals and loading instruments	I	IACS UR S1	Incorporated for compliance with IACS QSCS
			T	T2.100 T2.200	Inclining experiment	D		Texts developed for clear indication of the regulations applicable to vessels under 500 GT
				T2.300	Tolerances for vessels	D	NORMAM 01	The National Administration adopts tolerances stricter than IMO requirements. In such case, the requirements of the National Administration are valid.
				T4	Installation testing for on-board computers for stability calculations		IACS UR L5.8	
				T5	Appendix: IACS guidelines and recommendations for inclining experiment	I	IACS REC 31	Incorporated for compliance with IACS QSCS

Part II, Title 11, Section 2

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M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	2	A	A1	Application	E	RBNA RULES 2008	The figures F.A3.102.1, F.A3.102.2, F.A3.202.1, F.A3.102.1, were removed and incorporated in the Title 16 of the Part II, of these rules (Steel Barges)
II	11	2	A	A1		I		
			C	C3	Use of Steel grades for various hull members ships of 90 m in length and above.	I	[IACS UR-S4 AND UR S6]	Incorporated for compliance with IACS UR – S4 and UR – S6
			C	C3	Hull Structural Steel for Plates and Sections $L \geq 90$ m	E	RBNA RULES 2008	The Previous Subchapter was deleted and substituted for the test of IACS UR-S4
			D	D3	Position of openings in strength deck	E	RBNA RULES 2008	The last text was deleted and substituted by IACS text referent to Position of openings in strength deck
			D	D3	Position of openings in strength deck	I	CSR BULK CARRIER, CHAPTER 3, SECTION 6	Incorporated for compliance with CSR of the IACS
			D		Corner of hatchways	I	CSR BULK CARRIER 3, SECTION 6	Incorporated for compliance with CSR of the IACS and correlated documents.
			E	E4	General Equations for Thickness and Beam Strength Modulus	I		The required modulus for longitudinal beams of the strength deck, longitudinal beams and reinforced girders of actual RBNA Rules were modified when compared with the previous RBNA Rules by a factor f that the formula of the Part II, Title 1, and Section 2 shows. The calculus of coefficient takes into consideration the actual required section modulus of the ship required to the RBNA Rules and the calculated section modulus of the ship. The plan with design calculus is showed DPDR 10110 with the corrections factors, see document with the obtained formula.
			E	E6	External Pressures	I	CSR BULK CARRIER, CHAPTER 4, SECTION 5	Incorporated for compliance with the CSR of the IACS
			E	E7	External Pressures ON Exposed Decks	I	CSR BULK CARRIER, CHAPTER 4, SECTION 5	Incorporated and in accordance with the CSR BULK CARRIER, CHAPTER 4, SECTION 5
			E	E8	Pressure in Bow Area	I	CSR BULK CARRIER, CHAPTER 4, SECTION 5	Incorporated and in accordance with the CSR BULK CARRIER, CHAPTER 4, SECTION 5

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			F		Strength end bulkheads of superstructures and deckhouses (New Building and existent ships with L>150 m	I	IACS UR S3	Incorporated and in accordance with the IACS UR-S3
			H		Calculation of Midship Section Moduli for conventional Ship for ship's scantlings	I	IACS UR – S5	Incorporated and in accordance with the IACS UR-5, the previous formula of RBNA Rules 2008, was changed because the formula were valid only for ships less than 90 in length and for ships more than 90 m not take into account the wave coefficient and the material factor incorporated
			H		Verification of the Longitudinal Strength	M	RBNA RULES 2008	For ships less than 90 m the previous formula was kept
			H	H5	Minimum longitudinal Strength Standards for ships with L ≥ 90 m	I	IACS UR S7	Incorporated and in accordance with the IACS UR-S3
				H5.200	Still water bending moment and shear force	I	IACS UR S11.2.1	Incorporated and in accordance with the IACS UR-S11
				H2	Midship Section Strength for Ships with L< 90 m	D	Principles of Naval Architecture: Professor Alaa Mansour and Donald Liu and IACS UR-7	The minimum required Cross scantling section modulus , Wmin defined in accordance with IACS –UR 7 was incorporated as design prerequisites, however the IACS document shows that the wave coefficient (C1) is applicable only for ships with length between 90 m and 500 m. for ships below of 90 m RBNA developed some formulas with the wave coefficient for ships with length between 60 to 90 m in accordance with some published references of SNAME Naval Societies,
				H4	Minimum Longitudinal Strength Standards for ships with ≥ 90 m	I	IACS S11.5	Incorporated for compliance with IACS UR.S11.2.1.2
				H5	Longitudinal Strength Standards for ships with L≥ 90 meters	I	IACS S11.1	Incorporated for compliance with IACS UR.S11
				T5	Non destructive Testing of Ship Hull Steel Welds	I	IACS REC.20	Incorporated for compliance with IACS REC.20
				T6	Testing Procedures of WaterTight Compartments	I	IACS UR – S14	Incorporated for compliance with IACS UR-S14
				T7	Survey in Semi Hard Coatings in Ballast tanks	I	IACS UR	Incorporated for compliance with IACS UR-14

Part II, Title 11, Section 3

A = Altered

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E = Erased

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	3	D	D2. 100	Design of the anchoring equipment	I	IACS UR A1.1	Incorporated for compliance with IACS QSCS
				D2. 200	Equipment	I	IACS Rec 24	Incorporated for compliance with IACS QSCS
				D2. 300	Equipment number and anchoring equipment table (for vessels of unrestricted service)	I	IACS UR A1.2	Incorporated for compliance with IACS QSCS
				D2. 300	Anchoring equipment for special purpose ships (tugs and dredgers)	I	IACS UR A1.3	Incorporated for compliance with IACS QSCS
				D2. 400	Anchors	I	IACS UR A1.4	Incorporated for compliance with IACS QSCS
				D2. 500	Chain cables for bower anchors	I	IACS UR A1.5	Incorporated for compliance with IACS QSCS
				D2. 500	Permissible Wear-down of Stud Link Chain Cable for Bower Anchors	I	IACS UR A1.6 IACS Rec 10	Incorporated for compliance with IACS QSCS
				D2. 600	Windlass design and testing	I	NBR 8551 and IACS REC 10	Incorporated for compliance with IACS QSCS
				D2. 704	Wire ropes	D		
				D3	Maneuvering system	E		Incorporated for compliance with IACS QSCS Previous text deleted. IACS text adopted. Shifted to Chapter G
				D5	Table T.D5.214.1 –	D	NORMAM 01	Developed in accordance with NORMAM 01 regulations
				D5. 300	Fire extinguishers for ships of 500 GT and over	A		Shifted location
				D5. 400	EEBD	A		Shifted location
				D6. 700	Closure of Chain Lockers	I	IACS L4	Incorporated for compliance with IACS QSCS
				D6. 800		A		Shifted, previously D6.700
			E		Fire detection, protection, prevention and fighting Vessels having GTt ≥ 500	I	SOLAS Chapter II-2	Chapter entirely updated according to the IMO Vega on-line SOLAS , in April 2014. Several IMO interpretations and IACS UI SC incorporated. The Chapters have been re-organized according to the inclusions.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				E1	General	D		New reference list Separation of National and International regulations in Chapter E (≥ 500 GT) and F (< 500 GT).
				E2	Fire Safety objectives and functional requirements	A	SOLAS II-2/2	Updated SOLAS Text
				E3	Definitions	I	SOLAS II-2/A3 IMO MSC Circ. 1120 IACS UI SC125 IACS UI SC239	New topic, not existent in the 2008 Rules. The Circulars and Unified Interpretations under reference have been added.
				E4	Probability of ignition	I	SOLAS II-2/B4	New topic, not existent in the 2008 Rules. UI SC166 added. Guidelines from British MCA added
				E5	Fire growth potential	I	SOLAS II/2B5 UI SC148 UI SC240 UI SC100 ISO 1716-2002 MSC Circ 1120	New topic, not existent in the 2008 Rules. IACS UI's, ISO standard and MSC Circular under reference have been added.
				E6	Smoke toxicity	I	SOLAS II-2/B/6 UI SC126 UI SC127	New topic, not existent in the 2008 Rules. IACS UI's under reference have been added.
				E7	Detection and alarm	A	SOLAS II-2/C/7 UI SC130 UI SC048 UI SC160 UI SC241 UI SC129	SOLAS text updated. IACS UI's under reference have been added.
				E8	Control of smoke spread	A	SOLAS II-2/C/8 Imo Circ 1120	SOLAS text updated. IMO Circular texts under reference has been added.
				E9	Containment of fire	A	SOLAS II-2/C/9 MSC Circ: 0541 1120 IACS UI SC: 045 064 099 101 106 107 108 118 167 175 192 221	SOLAS text updated. IMO Circular texts under reference has been added. IACS UI's under reference have been added.
				E10	(2008 edition) Protection against fire in helicopter installations	M		Transferred to Chapter E18.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				E10	(2014 edition) Fire Fighting	A	SOLAS II-2/C/10 IMO MSC Circ: 1120 1239 1275 Imo Res A.951(23) IACS UI SC: 040 048 114 121 162 163 165 176 197 198 245	SOLAS text updated. IMO Circular and Resolution under reference have been added. IACS UI's under reference have been added.
				E11	(2008 edition) Protection against fire for dangerous goods	E		Included in Part II, Title 104, Section 3.
				E11	(2014 edition) Structural integrity	A	SOLAS II-2/C/11 IMO MSC Circ 1120 IACS UI SC140	SOLAS text updated. IMO Circular under reference has been added. IACS UI's under reference have been added.
				E12	Means of escape	A	SOLAS II-2/D/12 UI SC: 041 156 247 IMO MSC Circ: 1020 1120	SOLAS text updated. IMO Circulars under reference have been added. IACS UI's under reference have been added.
				E13	Alternative design arrangement	I	SOLAS II-2/D/13	New topic, not existent in the 2008 Rules.
				E14	Protection vehicle of special category Ro-Ro	A	SOLAS II-2/G/20	SOLAS text updated.
				E15	Casualty threshold, safe return to port and safe areas	I	SOLAS II-2/G/21	New topic, not existent in the 2008 Rules.
				E16	Design criteria for systems to remain operational after a fire casualty	I	SOLAS II-2/G/22	New topic, not existent in the 2008 Rules.
				E17	Safety center on passenger ships	I	SOLAS II-2/G/23	New topic, not existent in the 2008 Rules.
				E18	Helicopter facilities	M	SOLAS II-2/G/18	SOLAS text updated.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			F	All	Recommendations for the Safety of Cargo Vessels of less than Convention Size	I	IACS Rec 99	Incorporated for compliance with IACS QSCS
			G	All	Ship maneuvering: rudders, sole pieces and rudder horns	I	IACS UR S10	Previous text substituted by IACS text. Formulas for the calculation of rudder force have been checked as below.
				G.100	application, definition, materials.			Text shifted from D. to G.100
			H		Evaluation of scantlings of hatch covers and hatch coamings and closing arrangements of cargo holds of ships		IACS UR S21A	New Chapter. Incorporated for compliance with IACS QSCS
			T	T5	Fire extinguishing tests	D	NORMAM 01	Incorporated for compliance with NOMAM 01

Part II, Title 11, Section 4

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M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	4	A	A1	Application	D	Part II, Title 11, Section 3 of the 2014 edition of the Rules	Reference to the applicable Chapter of Title 11, Section 3 of the 2014 edition of the Rules
				A2	Definitions	D	Part II, Title 11, Section 3 of the 2014 edition of the Rules	Definitions included so as to keep the display of the previous 2008 edition of Section 4.
			B		Standards and Regulations	D	Part II, Title 11, Section 3 of the 2014 edition of the Rules	Developed according to the inclusion of fire prevention, detection, containment and fighting in Class requirements. Reference is made to all the standards and regulations relevant to Section 4.
			C D T		Materials, design principles, inspections and tests	D		These Chapters refer to the Title, Chapters and Sections containing the relevant requirements for Section 4.

Part II, Title 11, Section 5

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	5	C	C3	Materials for propellers	I	IACS UR K	Incorporated for compliance with IACS QSCS Previous text substituted (deleted)
			D	D1. 100 D1. 200	Ambient conditions	I	IACS UR M40	Incorporated for compliance with IACS QSCS Previous text substituted (deleted)
				D1. 300	Ambient conditions: inclination	I	IACS UR M46	Incorporated for compliance with IACS QSCS Previous text substituted (deleted)
				D1. 400	Design reference conditions	I	IACS UR M28	Incorporated for compliance with IACS QSCS Previous text substituted (deleted)
			E	E3. 100	Documents for the approval of diesel engines	I	IACS UR M44	Incorporated for compliance with IACS QSCS Previous text substituted (deleted)
				E3. 200	Astern power	I	IACS UR-M25	Incorporated for compliance with IACS QSCS Previous text (item E3) deleted
				E8. 100	Speed governor, overspeed protective and governing characteristics of generator prime movers	I	IACS URM3.1	Incorporated for compliance with IACS QSCS Previous text (item E3) deleted
				E8. 200	Speed governor, overspeed protective and governing characteristics of generator prime movers	I	IACS URM3.2	Incorporated for compliance with IACS QSCS New text
				E8. 300	Protection of internal combustion engines against crankcase explosions	I	IACS UR M10	Incorporated for compliance with IACS QSCS New text
				E8. 400	Fire extinguishing systems for scavenge manifolds	I	IACS UR M12	Incorporated for compliance with IACS QSCS New text

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				E8.500	Crankcase explosion relief valves for crankcases of internal combustion engines	I	IACS UR M9	Incorporated for compliance with IACS QSCS Previous text incorporated and developed in the IACS text
				E8.600	Protective devices for starting air mains	I	IACS UR M11	Incorporated for compliance with IACS QSCS New text Previous text shifted to item E8.600.
				E8.700	Miscellaneous protections	A	2008 edition of the Rules	Text shifted from E8.600, E8.700 to E8.700
				E8.800	Spare parts for main diesel engines	I	IACS Rec 26	Incorporated for compliance with IACS QSCS in the 2008 edition of the Rules. Text maintained in the 2010 edition.
				E8.800	Spare parts for auxiliary diesel engines	I	IACS Rec 27	Incorporated for compliance with IACS QSCS in the 2008 edition of the Rules. Text maintained in the 2010 edition
				E9	Bridge control of propulsion machinery for unattended machinery spaces	I	UR M43	Incorporated for compliance with IACS QSCS
					Bridge control of propulsion machinery for attended machinery spaces	I	IACS UR M47	Incorporated for compliance with IACS QSCS
				E10	Mass produced engines	A		Shifted to Part III, Title 62. Please refer to Part III, Title 62 foundation.
			F	F3	Alarms and safeguards for emergency diesel engines	I	IACS UR M63	Incorporated for compliance with IACS QSCS
			G	G3	Dimensions of propulsion shafts and their permissible torsional vibration stresses	I	IACS UR M68	Incorporated for compliance with IACS QSCS Previous text deleted. The formulas in the previous text did not take into account the resistance of the materials as does the IACS text. This resulted in diameters larger than those given by the IACS formulas. The formula considered materials of having a tensile resistance limit of 402 N/mm ² (41 kgf/mm ²), and not over 600 N/mm ² . Further, the RBNA formula did not take into account vibrations and fatigue. The IACS formulation takes all the above into account. Therefore it was decided to erase the previous text and incorporate the full IACS text as a development.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			G	G4	Length of aft stern bush bearing bush bearing	I	IACS UR M52	Incorporated for compliance with IACS QSCS Previous text: items G4.100 to G4400 have been deleted, while items G4500 and over have been maintained.
				G5	Scantling of coupling flanges	I	IACS UR M34	Incorporated for compliance with IACS QSCS Previous text: Items G5.100 and G5.201 deleted. Other items have been maintained.
			I	I7	Keyless fitting of propellers without ice strengthening	I	IACS UR K3	Incorporated for compliance with IACS QSCS New text
			J	All	Calculation of crankshafts for ice engines	I	IACS UR M53	Incorporated for compliance with IACS QSCS Previous text deleted due to the larger extension and detail of the IACS text.
II	11	5	K	All	Steering gear	I	IACS UR M42	Incorporated for compliance with IACS QSCS Previous text substituted by the IACS text
			T	T3	Tests of mass production engines in the manufacturer	A		Shifted to Part III, Title 62, as these are texts applicable to the certification of the product at the manufacturer and therefore should be allocated to Part III, Title 62, Section 5
				T3	Steering gear trials	I	IACS UR M42, Section 15	Incorporated for compliance with IACS QSCS New text
				T4	Tests of the automation system for automation, common to all the additional class notations			Shifted to Part III, Title 62, as these are texts applicable to the certification of the product at the manufacturer and therefore should be allocated to Part III, Title 62, Section 5
				T5	Additional tests for additional class notation AUT-F			Shifted to Part II, Title 52, Section 5, as these are texts applicable to the additional class notations for automation, tests on board therefore relevant to Part II Section 5.

Part II, Title 11, Section 6

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	6	B	B1.102		I	Consequence of the incorporation of IACS requirements	Text informing that the Chapter is according to IACS UR P requirements
				B2.600	Flexible hoses	I	IACS UR P2.12	Incorporated for compliance with IACS QSCS New text
				B4	Production and application of plastic pipes on ships	I	IACS UR P4	Incorporated for compliance with IACS QSCS New text
			C	C3.203	Sea chests for engine cooling	D	Situation analysis	The previous text is in black, the added text in blue: The sea chests are to be located in such a way that the possibility of admission of air in the suction piping is minimized. The sea chests are to be fitted with air vents. 202. A grid is to be installed at the shell side, at the inlet of the sea chests. The free area. 203. Sea chests for internal combustion engines cooling are to be installed in compliance with Part II, Title 11, Section 6, Chapter G, Subchapter G3, itens G3.100 and G3.200. This entry has been added due to the fact that several people searched the Chapter "Sea Chests" and could not determine the quantity of sea chests required, as this was in other chapter. Therefore, reference was made to the relevant chapter.
			D	D.3	Strength of pipes	I	IACS UR P1.2	Incorporated for compliance with IACS QSCS New text
			F	F2.305 306 315	Hydrants for vessels with GT ≥ 500	A		Shifted location
				F2.800	Fire Protection of Machinery Spaces (Vessels with GT ≥ 500)	I	IACS Rec 58	Incorporated for compliance with IACS QSCS New text

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				F4. 800	Air Pipe Closing Devices		IACS UR P3.1 to P3.4	Incorporated for compliance with IACS QSCS New text
				F6. 403	Ventilation of machinery spaces	D	SOLAS Regulation II-1/35 Reg.17(3) and Reg.19 of the 1966 Load Line Convention as amended by the Protocol of 1988 Definition of machinery spaces as per Part II, Title 11, Section 1, Chapter A, A.1 (SOLAS Regulation II-1/3.16).	Text added for vessels of 500 GT and over for compliance with the regulations SOLAS Regulation II-1/35 Reg.17(3) and Reg.19 of the 1966 Load Line Convention as amended by the Protocol of 1988 Definition of machinery spaces as per Part II, Title 11, Section 1, Chapter A, A.1 (SOLAS Regulation II-1/3.16).
				G5. 300	Starting Arrangements of Internal Combustion Engines	I	IACS UR M61	Incorporated for compliance with IACS QSCS New text
				G9.	Use of ammonia as a refrigerant	I	IACS UR M69	Incorporated for compliance with IACS QSCS New text
			T	T1. 100	Pressure tests of piping after assembly on board	I	IACS UR P2.9	Incorporated for compliance with IACS QSCS New text
				T1. 500	Fire testing of flexible pipes	I	IACS UR F42	Incorporated for compliance with IACS QSCS New text
				T4	Hydrostatic tests of valves and fittings	I	UR P2.10	Incorporated for compliance with IACS QSCS New text
				T5	Testing of plastic pipes		UR P4	Incorporated for compliance with IACS QSCS New text

Part II, Title 11, Section 7

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M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	7	B	B1.201	Short circuit current	D	IEC 61363-1 Part I – item 8.3 and 8.4	New text. Previous text was not sufficient.
			C	C1.300	Wires and cables	I	IACS UR E7	Previous text has been maintained. Text of the IACS UR E7 has been incorporated where relevant
			D	D2.300	Recording of the type, location and maintenance cycle of batteries.		IACS UR E18	Incorporated for compliance with IACS QSCS
				D2.300	Starting emperature of internal combustion engines	I	IACS UR M61	Incorporated for compliance with IACS QSCS
			E	E1.300	Ambient emperature for electrical equipment in environmentally controlled spaces	I	IACS UR E19	Incorporated for compliance with IACS QSCS
				E2.200	Electric equipment used in paint stores and enclosed spaces leading to paint stores	I	IACS UR E12	Incorporated for compliance with IACS QSCS
				E4.200	Voltage and frequency variations	I	IACS UR E5	Incorporated for compliance with IACS QSCS
				E5.400	Electrical Services Required to be Operable Under Fire Conditions and Fire Resistant Cables	I	IACS UR E15	Incorporated for compliance with IACS QSCS
			F	F7	Generators and generator systems, having the ship's propulsion machinery as their prime mover, not forming part of the ship's main source of electrical power.	I	IACS UR E 17	Incorporated for compliance with IACS QSCS

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				F8	Ups – uninterrupted power system units as alternative and/or transitional power	I	IACS UR E21	Incorporated for compliance with IACS QSCS
II	11	7	G	G5.400	Earthing and bonding of cargo tanks/process plant/piping systems for the control of static electricity	I	IACS UR E9	Incorporated for compliance with IACS QSCS
				G8	Installation of electrical and electronic equipment in engine rooms protected by fixed water-based local application fire-fighting systems (fwblaffs)	I	IACS UR E20	Incorporated for compliance with IACS QSCS
			I	All	Requirements for systems with voltages above 1 kv up to 15 kv	I	IACS UR E11	Incorporated for compliance with IACS QSCS
			J	All	Power supply to radio equipment required by SOLAS chapter IV, and electrical/electronic navigation equipment required by SOLAS chapter V, reg. 19	I	IACS Rec 52	Incorporated for compliance with IACS QSCS
			T	T4	Testing specification for Type Approval	I	IACS UR E10	Incorporated for compliance with IACS QSCS
					Table T.E2.101.1 - minimum degrees of protection for electrical equipment enclosures	D		Developed by internal RBNA Research of RBNA Staff.

Part II, Title 11, Section 8

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	8	E	E4	Heading information for emergency steering position	I	IACS Rec 16	Incorporated for compliance with IACS QSCS
			F	All	One man bridge operated ships (OMBO)	I	IACS UR N1	Incorporated for compliance with IACS QSCS
			T	T2	On board use and application of programmable electronic systems	I	IACS UR E22	Incorporated for compliance with IACS QSCS
				T3	Testing of Protection Devices for Generators and Large Consumers on Board	I	IACS Rec 49	Incorporated for compliance with IACS QSCS

Part II, Title 12, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	12	1	H	H5	STABILITY	I	IMO	In accordance with IMO IS Stability Code, Chapters 4.9, 3.2 as amended).
II	12	1	H	H6.100	DAMAGED STABILITY	I	(SOLAS 74/88 Part B-1 Regulation II-1/B1/4 through II-1/B1/7-3.	Any type of container ship with a length equal to or greater than 80 metres is to comply with the subdivision and damage stability criteria of Part II, Title 11, Section 2, Subchapter H6

Part II, Title 12, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	12	2	A		Scope	D	Internal Analysis	This is a new Chapter, inexistent in the 2008 Edition. The introduction has been written based on the ship's mission.
			E		Configurations and Design Principles of the Local Structural System	D I E	IACS Rec 84 IMO CSS Code	The previous Chapter has been entirely deleted and substituted by a more developed one.
				E2	Configuration	D E I	IACS Rec 84	The main points to be taken account when designing the local structural configurations has been developed based on IACS Rec 84.
				E3	Loadings	D E I	IMO CSS Code	Previous chapter has been deleted and substituted by a more developed one. The acceleration forces acting on containers have been taken from IMO CSS Code. The calculation of the forces acting on the container stacks has been developed from the IMO CSS formulas for acceleration forces, and there is an attached draft.
			H		Global dimensioning of the hull girder	D I	GLOBAL DIMENSIONING OF THE HULL GIRDER	New Chapter. Based on IACS CSR and IACS UR S11.
				H4	Wave loads	I	IACS CSR BULK CARRIER, CHAPTER 4, SECTION 3 IACS UR S11	This is a new Chapter, inexistent in the 2008 Edition. Inserted as per references in the column "Source".
				H5	Hull Girder Stresses	I	IACS CSR BULK CARRIER, CHAPTER 5, SECTION 1	This is a new Chapter, inexistent in the 2008 Edition. Inserted as per references in the column "Source".

Part II, Title 12, Section 3

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	12	3	A		Scope	D	Internal Analysis	This is a new Chapter, inexistent in the 2008 Edition. The introduction has been written based on the ship's mission. The definitions have been taken as a result of a search in specialized container texts.
			B		Documents for approval	D	Internal Analysis	Developed by internal RBNA Research of RBNA Staff. .
			D		Specific system requirements	D	ISO 1469-1 1990 IMO MSC/Circ.608 “Interim Guidelines for open top container ships” RBNA Guide to Lifting Appliances	Developed according to the references in the column “Source” and: - Search in manufacturer sites in the Internet - Comparison with other Classification Societies
			E		Containment of fire		IMO MSC/Circ.608 “Interim Guidelines for open top container ships”	New Chapter.
			T		Inspections and Tests	E		Testing of the pieces is to be considered according to the standards applicable to each type of accessory.

Part II, Title 12, Section 6

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	12	6	All	All	All	I	IMO MSC.1/Circ. 608 – Rev. 1) IMO MSC.1/Circ. 1320	New Chapter based on the IMO Circulars IMO MSC.1/Circ.608 – Rev. 1) and IMO MSC.1/Circ. 1320, in respect to fire protection and bilge dewatering systems in open top container ships

Part II, Title 14, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	14	1	A	A1	Approach	D		Developed to clearly state the application of the Title 14, Section 1
				A2	Definitions	D		Developed to include terms and definitions needed for the Title 14, Section 1
			B	B2	Regulations	I/ D	IMO IS Code	Incorporated to clearly state compliance with the IMO IS Code and with IACS relevant requirements and guidelines
			H	H1 to H5	Loading conditions, buoyancy and stability	I/ D	IMO IS Code Research in other CS texts IMO grain code IACS REC 24 and UI L2, IMO A.749(18) amended by MSC.267(85)	Developed for compliance with the relevant requirements (see left)
			H	H6	Damaged stability	I/ D	See at the next column	Passenger vessel SOLAS Regulation II-1/4 through 8-1 Cargo vessel SOLAS Regulation II-1/4 through 7-3 Gas carrier IGC Code Chemical carrier IBC Code Bulk carriers for which the request for class for new construction is received on or after 1 July 1998 SOLAS Appendix 3-3-A2, "Subdivision and Damage Stability Requirements for Bulk
				H7	Additional Requirements for Loading Conditions, Loading Manuals and Loading Instruments for Bulk Carriers, Ore Carriers and Combination Carriers	I	IACS S1A.1	Incorporated for compliance with IACS QSCS
			J	All	On-board computers for stability calculations	I	UACS UR L5	Incorporated for compliance with IACS QSCS

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				J7	Requirements for loading conditions, loading manuals and loading instruments	I	IACS UR S1	Incorporated for compliance with IACS QSCS
			T	T2.300	Tolerances for vessels	D	NORMAM 01	Added note regarding tolerances for series of vessels where the Brazilian Maritime Authority has regulations stricter than IMO
				T4	Installation testing for on-board computers for stability calculations	I	IACS UR L5.8	Incorporated for compliance with IACS QSCS
				T5	Appendix: IACS guidelines and recommendations for inclining experiment	I	IACS Rec 31	Incorporated for compliance with IACS QSCS Added note regarding Brazilian Maritime Authority: <i>“The National Administration adopts tolerances stricter than IMO requirements. In such case, the requirements of the National Administration are valid”</i>

Part II, Title 14, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	14	2	A	A1	Application and definitions	D	IMO and IACS UR S	Developed based on IMO and IACS information for clear understanding of the Title 14 rules
				A2	A2.Implementation of the additional requirements in chapters ur s19 and ur s22 for existing single skin bulk carriers –		IACS UR S23	Incorporated for compliance with IACS QSCS
			F	F3	Additional requirements for side structures in single side skin bulk carriers		IACS UR S12	Incorporated for compliance with IACS QSCS
			G	G4	Longitudinal strength of hull girder in flooded condition for bulk carriers –		IACS UR S17	Incorporated for compliance with IACS QSCS

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	14	2	J		Valuation of scantlings of hatch covers and hatch coamings of cargo holds of bulk carriers, ore carriers and combination carriers	I	IACS UR S21	Incorporated for compliance with IACS QSCS
			K		Evaluation of scantlings of corrugated transverse watertight bulkheads in bulk carriers considering hold flooding	I	IACS UR S18	Incorporated for compliance with IACS QSCS
			L		Evaluation of scantlings of the transverse watertight corrugated bulkhead between cargo holds nos. 1 and 2, with cargo hold no. 1 flooded, for existing bulk carriers	I	IACS UR S19	Incorporated for compliance with IACS QSCS
			M		Evaluation of allowable hold loading for bulk carriers considering hold flooding	I	IACS UR S20	Incorporated for compliance with IACS QSCS
			N		Evaluation of allowable hold loading of cargo hold no. 1 with cargo hold no. 1 flooded, for existing bulk carriers	I	IACS UR S22	Incorporated for compliance with IACS QSCS
			O		Renewal criteria for side shell frames and brackets in single side skin bulk carriers and single side skin obo carriers not built in accordance with UR S12 (part II, title 14, section 2 F3)	I	IACS UR S31	Incorporated for compliance with IACS QSCS

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	14	2	P		Requirements for the fitting of a forecastle for bulk carriers, ore carriers and combination carriers	I	IACS UR S28	Incorporated for compliance with IACS QSCS

Part II, Title 14, Section 6

A = Altered

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E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	14	2	F	F1	Bilge System – De-watering capacity	I	SOLAS Chapter II-1	New Section. De-watering capacity according to SOLAS Convention incorporated.

Part II, Title 15, Section 1

A = Altered

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D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	15	1	A	A2	Definition of cargo compartments on Ro-Ro vessel	D	IMO IS Code	Developed for use in the Title 15
			B	B1	Documents	D		New Chapter
			E		Configurations	D		Developed by internal RBNA Research of RBNA Staff.
			H	H5	Additional requirements for the stability of Ro-Ro vessels cargo compartments having a fixed water high pressure spray system for fire fighting	D	-	Research into other CS Rules

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				H6	Damaged stability	D	IMO Resolution MSC.235(84) Guideline for the Design and Construction of Supply Vessels SOLAS II-1/B2/13-1	Damaged stability is to be calculated according to the reference on the left

Part II, Title 15, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	15	2	A	A1	Application	D	Revision of the Chapter for the 2014 Rules	Developed to adequate to the types of ship covered by this Title. Supersedes 2008 text.
			B	All	Documents, regulations and standards	D	Revision of the Chapter for the 2014 Rules	Developed to adequate to the types of ship covered by this Title. Supersedes 2008 text.
			E	E3	Local loadings	D	Revision of the Chapter for the 2014 Rules	Developed to adequate to the types of ship covered by this Title. Supersedes 2008 text. The application of national and international standards has been reviewed and the previous text deleted.
			G	All	Principles of hull girder design	D	Revision of the Chapter for the 2014 Rules	Conditions for the calculation of the longitudinal strength included. Reference to other Titles and Sections of the Rules included.

Part II, Title 15, Section 3

A = Altered

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M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	15	3	A	A1	Application	D	Review of the 2008 text	Developed for a clear understanding of the scope of the Title 15
				A2	Definitions	D	Review of the 2008 text	New definitions have been added to the former 2008 text.
			B		Documents	D	Review of the 2008 text	Developed due to the standards and documents required while developing the Title for Rules 2014. Definitions regarding the cargo handling system have been added.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			D	D1	Embarkation ramp	D	Review of the 2008 text	Previous text deleted due to obsolescence . New text developed based on the incorporation of IACS UR's in other related Chapters.
				D6	Bow doors and inner doors	I	IACS UR S8	Incorporated for compliance with IACS QSCS
				D7	Side shell doors and stern doors	I	IACS UR S9	Incorporated for compliance with IACS QSCS
			T		Inspections and tests	E		Deleted. The requirements of this Chapter have already been included in Chapter D.

Part II, Title 15, Section 6

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	15	6	A	A1.100	Application	D		Developed for a clear understanding of the scope of the Title 15
			B	A1.200	Documents	D		Developed due to the standards and documents required while developing the Title for Rules 2014
			F		Hull piping system			
				F1	Drainage of fire-fighting water from closed vehicle and roll on / roll off spaces and special category spaces of passenger and cargo ships	I	IMO MSC.1/Circ. 1320	Incorporated due to the IMO circular under reference encompassing matters of Class.
				F10	Design and approval of fixed water-based fire-fighting systems for roll on / roll off spaces and special category spaces	I	MSC.1/Circ.1430 - 31	Incorporated due to the IMO circular under reference encompassing matters of Class.
			T		Inspections and Tests			
				T.4	Functional test of drainage facilities on ro-ro passenger ships	I	IMO MSC.1/Circ. 1320	Incorporated due to the IMO circular under reference encompassing matters of Class.
				T5	Test method for fixed water-based fire-fighting systems for roll on / roll off spaces and special category spaces	I	IMO MSC.1/Circ. 1430	Incorporated due to the IMO circular under reference encompassing matters of Class

Part II, Title 15, Section 7

A = Altered

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E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	15	7	All		Electricity	D I	IEC 60092-502 Part II Title 104 Section 7 of the 2014 edition of the Rules	Developed in particular due to the fact that ro-ro cargo vessels may carry dangerous goods in containers. This Section 7 incorporates texts from Title 104 Section 7 and form the IEC Standard 60092-502.

Part II, Title 16, Section2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	16	2	All	All	Application	D	Part II, Title 11, Section 2 of the 2014 edition of the Rules	The present document has topics that are in compliance with the Part II, title 11, section 2 take into account sourced definitions by RBNA Technical committee.

Part II, Title 21, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	11	1	A	A1.100	Application	I	SOLAS	Incorporated from SOLAS regulations
				A2.102	Definitions	I	104 SOLAS II-1/A/2 106 UI SC156 107 UI SC156 108 UI SC156 109 110 SOLAS I/A/2 113 UI SC156 114 UI sc156 115 USCG 46 CFR 70.10.1 116 UI SC156 117 UI SC156 118 119 SOLAS I/A/2 120 UI SC156	Several definitions have been added.
			B	B2.400	OACS Requirements	D		Developed for compliance with IACS QSCS
				D1	National Administration: Brazilian Flag and Foreign Flag for vessels under 500 GT	D		Developed for international application of the Rules
			G	G2.200	Double bottom	I	SOLAS II-2/B-2/9	Incorporated from SOLAS regulations. Text reorganized and updated in relation to the 2008 edition of the Rules
			H	H3.101	Loading Conditions	D		Developed to take into account loading conditions
				H3.102	Loading Conditions (luggage)	I	IS Code Part A, item 3.3.1	Incorporated for the calculation of loading conditions
				H5.300	Intact Stability for $GT \geq 100$	I	SOLAS II-1/B-1/5 IS Code Part A, item 2.2. to 2.4 (item 309)	Added due to IMO regulations not included in the previous texts
				H5.400	Intact Stability for vessels under 500 GT	D		Text reorganized and updated
				H6.	Damage stability	I	Damage stability	Incorporated for compliance with SOLAS II-1/B-1/4 60 8.1, due to the fact that IACS has defined stability as a matter of Class
				H7.100	Openings in watertight bulkheads below the bulkhead deck in passenger ships	I	SOLAS II-1/B-2/14	Text reorganized and updated
				H7.200	Internal watertight integrity of passenger ships above the bulkhead deck	I	SOLAS II-1/B-2/17	Incorporated because the matter is related to Class. Affects watertightness and stability. Text reorganized and updated

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				H7. 300	Doors in watertight bulkheads of cargo ships and passenger ships	I	IACS UI SC156	Text developed to insure application of the IACS UI's, and text reorganized.
				H7. 400	Double bottoms in passenger ships and cargo ships other than tankers	I	SOLAS II-1/B-2/9	Incorporated because the matter is related to Class. Affects watertightness and stability. New text.
				H7. 500	Prevention and control of water ingress, etc.	I	SOLAS II-1/B-4/22	Incorporated because the matter is related to Class. Affects watertightness and stability. Text reorganized and updated
				H7. 700	Flooding detection system for passenger ships	I	SOLAS II-1/B-4/22.1 MSC Circ 1291	Incorporated because the matter is related to Class. Affects watertightness and stability. New text.
			J	All	Principles of calculation of cross flooding	A	IMO Resolution MSC.362(92)	Text maintained and updated
				H5. 500	Stability check for vessels under 500 GT	D	NORMAM 01	Developed to clearly indicate the regulations for vessels under 500 GT
				H5. 600	Stability booklet	I	IMO IS CODE IACS Rec 24	Incorporated for compliance with IMO IS Code according to IACS recommendation Rec 24
				H5. 700	Permanent ballast	D	IMO IS CODE IACS Rec 24	Developed for compliance with IMO IS Code according to IACS recommendation Rec 24
				H6	Damaged stability	D	SOLAS II-1/B-1/4 to 8.1	Developed for compliance with the SOLAS damage stability regulations
			J	J1	Onboard computers for stability calculations	I	IACS UR L5	Incorporated for compliance with IACS QSCS
				J7	Requirements for loading conditions, loading manuals and loading instruments	I	IACS UR S1	Incorporated for compliance with IACS QSCS
			T		Testing of doors	I	IACS UI SC156 item 5	Incorporated for compliance with IACS QSCS

Part II, Title 21, Section 3

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	21	3	All	All		D		Developed for reference only.

Part II, Title 21, Section 6

A = Altered

I = Incorporated

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M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	21	6	A	A1.100	Application	I	SOLAS	Incorporated from SOLAS regulations
				A2.102	Definitions	I		Several definitions have been added.
			F	F1.200	Bilge pipe arrangement in passenger ships	I	SOLAS II-1/C/35-1	SOLAS regulations which are a matter of class

Part II, Title 21, Section 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	21	7	A	A1.100	Application	I	SOLAS	Incorporated from SOLAS regulations
			B	B1	Documents and plans	D	Internal development	List of plans and documents reanalyzed by the Design Approval Department, introduced in Part II, Title 11, Section 7. Previous text replaced.
				B2	Regulations and Standards	D	Various standards	Developed upon researches in IEC, IEEE and other standards to elaborate the 2014 Rules. New Subchapter
			D	D1	Installations on board	I	SOLAS II-1/d/45	Requirements for electrical installations in vertical zones incorporated. New Chapter.
			E	E1	Operational and Environmental Conditions	I	IMO MSC.circ.1176 IACS UR E15 IACS UI SC134 IACS UI SC72 IACS UI SC124	Incorporated for compliance with IACS QSCS
			F	F4	Main source of electrical power and lighting systems	I	SOLAS II-1/D/42	New Chapter. Found relevant when reviewing the Rules for the 2014 edition.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				F5	Emergency source of electrical power	I	SOLAS II-1/D/42	The previous text was superseded by the actual one. Text has been updated.

Part II, Title 21, Section 8

A = Altered

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M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	21	8	A	All	Scope	D		Developed for the new Section.
			E	E5	Public address system in passenger ships	I	SOLAS III/B-I/6 Chapter 5 – Public Address Systems for Passenger Ships IMO MSC/Circ.808	Incorporated for its relations to matters of class.

Part II, Title 22, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	22	1	All	All	Title 22 text	E D	Development of Titles 15 and 26 and IMO definition of Roll-on Roll-off vessels which include ferry-boats as passenger and vehicles ro-ro	Previous text was not adequate to Ro-Ro ships, and applicable to inland waters ferry-boats, not to open sea ferry-boats. Such text was superseded by the 2014 text. The text is informative of the Titles and Sections applicable to open sea ferry-boats. A comprehensive Table shows which Title and Section are applicable. There is no development as it would be a repetition of Title 26.

Part II, Title 25, Sections 1, 3, 4, 5, 7 and 8

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	25	1 3 4 5 7 8	All	All	Title 25 text	I	IMO High Speed Vessel Code	New Title. The text is a transcription of the IMO High Speed Vessel Code organized by Sections.

Part II, Title 26, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	26	1	A	A1	Application	D	Based on SOLAS regulations	New Title.
				A2	Definitions	I		Definition of ro-ro compartments
			B	B1	Planos e documentos	D		Plans and documents deemed necessary for the analysis of ro-ro vessels
			E	E1	Configuration	D	Development of Titles 15, 22, and 26	Table showing the relevant Chapters for each type of Ro-Ro vessel considered in the present 2014 Rules.
			G	G1. 200	Passenger ships carrying goods vehicles and accompanying personnel	I	SOLAS II-1/B-2/13	Incorporated from SOLAS because these are matters of Class
				G1. 300	Integrity of the hull and superstructure, damage prevention and control on ro-ro passenger ships	I	SOLAS II-1/B-2/17.1	Incorporated from SOLAS because these are matters of Class
				G1. 400	Special requirements for ro-ro passenger ships	I	IACS UI SC220	
			H	H3	Loading configurations	D		
				H5. 300	Intact Stability for ships with GT ≥ 500	I	SOLAS II-1/B-1/6 IS CODE 2.2.1 – 2.2.4	Incorporated from SOLAS because these are matters of Class
				H5. 400	Intact Stability for ships with GT < 500	D	NORMAM 01	
				H6	Damage Stability	I	SOLAS II-1/B-1/6 to 8.1	Incorporated from SOLAS because these are matters of Class

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				H7. 100	Openings in watertight bulkheads below the bulkhead deck	I	SOLAS II-1/B-2/13	Incorporated from SOLAS because these are matters of Class
				H7. 200	Internal watertight integrity above the bulkhead deck	I	SOLAS II-1/B-2/17	Incorporated from SOLAS because these are matters of Class
				H7. 300	Integrity of the hull and superstructure, damage prevention and control on ro-ro passenger ships	I	SOLAS II-1/B-2/17	Incorporated from SOLAS because these are matters of Class
				H7. 400	Doors in watertight bulkheads of cargo ships and passenger ships	I	IACS UI SC156	Incorporated from SOLAS because these are matters of Class
				H7. 500	Double bottoms in passenger ships and cargo ships other than tankers	I	SOLAS II-1/B-2/9	Incorporated from SOLAS because these are matters of Class
				H7. 600	Opening in passenger ships carrying goods, vehicles and accompanying personnel	I	SOLAS II-1/B-2/14	Incorporated from SOLAS because these are matters of Class

Part II, Title 26, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	26	2	A	A1	Application	D	Review of the 2008 texts	This Subchapter is required for each Title, and it was not present in the 2008 text.
			F	F4	Wheeled loads	D	Review of the 2008 texts	The calculation for wheeled loads has been maintained from the previous edition of the rules. A text has been added to include the forces due to the ship's motions on the wheeled cargo.
			G	G1	Application	D	2014 editions, Part II, Title 11, Chapter G	Application for longitudinal strength calculation has been added.
				G3	Steel water bending moment and shear force	D	Part II, Title 11, Section 2, Chapter G, Subchapter G3	Included for information on which Part, Title, Chapter of the Rules to look for when calculating steel water bending moment and shear force.

Part II, Title 26, Section 3

A = Altered

I = Incorporated

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M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	26	3	A	A1	Application	D	Review of the 2008 text	Developed for a clear understanding of the scope of the Title 26
				A2	Definitions	D	Review of the 2008 text	New definitions have been added to the former 2008 text.
			B		Documents	D	Review of the 2008 text	Developed due to the standards and documents required while developing the Title for Rules 2014. Definitions regarding the cargo handling system have been added.
			D	D1	Embarkation ramp	D	Review of the 2008 text	Previous text deleted due to obsolescence. New text developed based on the incorporation of IACS UR's in other related Chapters.
				D6	Bow doors and inner doors	I	IACS UR S8	Incorporated for compliance with IACS QSCS
				D7	Side shell doors and stern doors	I	IACS UR S9	Incorporated for compliance with IACS QSCS
			D	D8	Side shell doors and stern doors retrospective application of D7 to existing Ro-Ro passenger ships	I	IACS UR S15	Incorporated for compliance with IACS QSCS
			E	All	Protection of vehicle, special category and ro-ro spaces	I	SOLAS II-2/B G/20 UI SC 243 UI SC 73 UI SC 205	Incorporated for compliance with IACS QSCS IACS directives consider fire systems as a matter of class.

Part II, Title 26, Section 6

A = Altered

I = Incorporated

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E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	26	6	A	A1.100	Application	D		Developed for a clear understanding of the scope of the Title 15
			F		Hull piping system			
				F1	Drainage of fire-fighting water from closed vehicle and roll on / roll off spaces and special category spaces of passenger and cargo ships	I	IMO MSC.1/Circ. 1320	Incorporated due to the IMO circular under reference encompassing matters of Class.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				F10	Design and approval of fixed water-based fire-fighting systems for roll on / roll off spaces and special category spaces	I	MSC.1/Circ. 1430 - 31	Incorporated due to the IMO circular under reference encompassing matters of Class.
			T		Inspections and Tests			
				T.4	Functional test of drainage facilities on ro-ro passenger ships	I	IMO MSC.1/Circ. 1320	Incorporated due to the IMO circular under reference encompassing matters of Class.
				T5	Test method for fixed water-based fire-fighting systems for roll on / roll off spaces and special category spaces		IMO MSC.1/Circ. 1430	Incorporated due to the IMO circular under reference encompassing matters of Class

Part II, Title 26, Section 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	26	7	D	D2.100	Degrees of protection	I	IEC - 60079-14	The present requirements are additional to those of Part II, Title 11, Section 7, Subchapter D2. The requirements are based upon IEC Standard 60079-14, Section 5.
II	26	7	D	D.400	Intallation of electric equipment in special category spaces above the bulkhead deck	I	IEC 60529	Enclosure of at least IP 55 as defined in IEC Publication 60529 - Classification of Degree of Protection Provided by Enclosures; or
II	26	7	H	H1	DESIGN AND CONSTRUCTION OF ELECTRICAL CONSUMERS - LIGHTS AND MOTORS	I	SOLAS II-1/D/REGULATION 42-1	In addition to the emergency lighting required by Part II, Title 21, Section 7, on every passenger ship with ro-ro cargo spaces or special category spaces need to comply with these requirements.

Part II, Title 31, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	31	1	A	A1.100	Application	D		Developed for a clear understanding of the scope of the Title 31
				A2	Definitions	D		Definitions have been included necessary for the understanding of the configuration and application according to the Imo instruments.
			B	B1	Documentation	I		Text reviewed for better understanding.
			D	D1	Classes of dangerous bulk liquids in ships	I	MARPOL Annex II IMO IBC Code IMO BCG Code	Previous text has been superseded and deleted, because such text was based on ADN regulations for inland navigation and restricted open sea navigation in European water ways, and not in full compliance with MARPOL and IGC/IBC Codes. A new text has been developed in compliance with those IMO instruments in Chapter E of this Title.

Part II, Title 32, Sections 1, 3, 5, 6 and 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	32	All	All	All	Additional requirements for oil tankers	I A M	<i>IACS UR F</i>	<p>Previous text of the 2008 edition maintained, but for each Chapter, Subchapter and even topics exemptions have been added for ships engaged in the carriage of oil products with a flash point over 60°C.</p> <p>IACS UR F requirements have been added.</p> <p>Not applicable items have been deleted.</p> <p>Chapter A modified according to the MARPOL 73/78 latest amendments in Annex 1, for the List of Oil..</p>

Part II, Title 33, Sections 1, 2, 3, 6 and 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	33	All	All	All	Chemical Tankers	I	IMO IBC Code	The 2008 edition was based on a version of the IBC Code which has become obsolete. The present edition has been based on the last consolidated edition of the IBGC Code. The Chapters have been reorganized for better correlation with the Code and for facility of revision.

Part II, Title 34, Sections 1, 2, 3, 5, 6 and 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	34	All	All	All	Gas Carriers	I	IGC Code	The 2008 edition was based on a version of the IGC Code which has become obsolete. The present edition has been based on the last consolidated edition of the IGC Code. The Chapters have been reorganized for better correlation with the Code and for facility of revision.

Part II, Title 35, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	35	1	A	A1.100	Application	D		The additional class notations have been added
				A2	Definitions	D		Definitions of cargo pump room and oil recovery area have been added.
			B	B2	Regulations	D		Modified to include foreign Flag and international regulations
			E	E2	Configurations	D		Guidance referring to class notation RecOil 2 included.
			H	H3	Loading conditions	D		A new text has been developed for the type of vessel covered by this Title.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				H5	IntactStability	D	Part II, Titl 32, Section 1, Chapter H, Sub-chapters H5 of the Rules.	New Subchapter for Intact Stability.
				H6	Damage stability	D	Part II, Titl 32, Section 1, Chapter H, Sub-chapters H5 of the Rules	New Subchapter for Damage Stability.
				T	Inspections and tests	D		Indication of where to find the requirements according to the relevant Title.

Part II, Title 35, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	35	2	A	A1	Application	D		The additional class notations have been added
				A2	Definitions	D		Definitions of cargo pump room and oil recovery area have been added.
			B	B2	Regulations	D		Modified to include foreign Flag and international regulations
			E	E2	Configurations	D		Guidance referring to class notation RecOil 2 included.
			H	H3	Loading conditons	D		A new text has been developed for the type of vessel covered by this Title.
				H5	IntactStability	D	Part II, Titl 32, Section 1, Chapter H, Sub-chapters H5 of the Rules.	New Subchapter for Intact Stability.
				H6	Damage stability	D	Part II, Titl 32, Section 1, Chapter H, Sub-chapters H5 of the Rules	New Subchapter for Damage Stability.
				T	Inspections and tests	D		Indication of where to find the requirements according to the relevant Title.

Part II, Title 35, Section 3

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	35	3	A	A1.100	Application	D		The additional class notations have been added
				A2	Definitions	D		Definitions of cargo pump room and oil recovery area have been added.
			B	B2	Regulations	D		Modified to include foreign Flag and international regulations
			E	E2	Configurations	D		Guidance referring to class notation RecOil 2 included.
			H	H3	Loading conditons	D		A new text has been developed for the type of vessel covered by this Title.
				H5	IntactStability	D	Part II, Titl 32, Section 1, Chapter H, Sub-chapters H5 of the Rules.	New Subchapter for Intact Stability.
				H6	Damage stability	D	Part II, Titl 32, Section 1, Chapter H, Sub-chapters H5 of the Rules	New Subchapter for Damage Stability.
				T	Inspections and tests	D		Indication of where to find the requirements according to the relevant Title.

Part II, Title 35, Section 6

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	36	6	E1	303 to 305	Bow discharge of oil	D	Surveyor experience	Added new texts to the subject items
			F2.500	All	Copulings and nozzles	E	Redundant text	Text reduntant from another section
			F2.600	All	Fixed fire fighting system	E	Verification	Not in accordance with Part II, Title 11, Section 6 equivalent texts
			F2.700	All	Fixed CO2 systems	A	Verification	Shifted to Subchapter F10 without alteration of contents
			F4.200	202	Safety devices for filling tanks	E		Not applicable to this Title.
			F4.700	All	Vent of cargo tanks	E		Not applicable for this Title.

Part II, Title 35, Section 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	35	7	All	All	Electric installations in RecOil ships	D	IEC 60092 series, in particular IEC 60092-506	New Chapter not existing in the 2008 edition

Part II, Title 41, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	41	1	All	All	Fishing Boats	M	RBNA 2008 RULES	Previous edition text maintained.

Part II, Title 41, Section 3

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	41	1	All o	All	Fishing Boats	M	RBNA RULES 2008	Previous edition text maintained.

Part II, Title 42, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	42	1	H	H5.300	Intact Stability	I	IACS Rec 24 and UI-L2	From IACS Rec 24 and UI-L2 stating that stability is a matter of Class.
			T	T2	Bollard Pull	D	NORMAM 01	Text developed for better understanding

Part II, Title 42, Section 3

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	42	3	All	All	All	M		Previous text maintained with small text corrections

Part II, Title 43, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	43	1	A	A1	Application	D		Text modified for better comprehension
				A2	Definitions	D		New definitions included
			B			D	IMO Circular letter 2285 NORMAM 02	New Chapter based on IMO Circular letter 2285. Applicable regulations developed include reference to National and International regulations
			C		Navigation zones	D		New Chapter Included to specify navigation zones for open sea navigation dredgers
			D		Activities / Services	M		Previous text (2008) maintained
			E		Configuration	D		Guidance included to describe several dredger configurations
			G		Capacities and subdivision			
			H	H1	Load line	D	IMO Circular letter 2285	Developed according to IMO Circular 2285 to include reduced freeboard regulations and calculation according to IMO ILLC (International Load Line Convention)
				H3	Loading conditions	I	IMO Circular letter 2285	Text incorporated from IMO Circular letter 2285, previous text maintained and expanded as part of the text of the Circular
				H5	Intact Stability	I	IMO Circular letter 2285	Text incorporated from IMO Circular letter 2285 for dredgers of 500 GT and over, previous text for GT < 500 maintained
				H6	Damage stability	I	IMO Circular letter 2285	Text incorporated from IMO Circular letter 2285 for dredgers of 500 GT and over, new text
				I	Propulsion performance	M		Previous text (2008) maintained
				T	Inspection and tests	M		Previous text (2008) maintained

Part II, Title 43, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	46	2	G	G 2	Configuration of the Global Structure	D	Part II, Title 11, Section 2 and dredger references	The present subchapter was incorporated, developed in accordance with Part II, Title 11, Section 2 and specialized references for dredgers.

Part II, Title 43, Section 3

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	43	3	A	A2	Definitions	D		New definitions included
			D	D3	Dumping systems	I	IMO Circular letter 2285 NORMAM 02	New subchapter
				D4	Draught gauges	I	IMO Circular letter 2285	New subchapter
				D5	Wave height information	I	IMO Circular letter 2285	IMO Circular letter 2285
			D		Activities / Services	M		Previous text (2008) maintained
			T	T1	Sea trials	D	Study of the text of other classification societies and past experience in China and El Morocco	New Chapter.

Part II, Title 43, Section 6

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	43	6	All	All	Application	M	2008 Edition of the Rules.	Previous text maintained

Part II, Title 44, Sections 1, 3, 5, 7 and 8

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
I I	4 4	All	A II	A II	Special purpose ships	I	Resolution MSC.266 84 Code of Safety for Special Purpose Ships, 2008	New Title. Previous Titles ending in “9” in their groups, e.g., 29, 39... have been deleted and Title 44 created for special purpose ships in accordance with the IMO Resolution MSC.266(84) as amended.

Part II, Title 45, Sections 1 and 3

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
I I	4 5	A II	A II	All	Floating Cranes	A	RBNA Guide for Shipboard Lifting Appliances	The 2008 edition was based on Part II, Title 11. The present edition has been based on the last edition of RBNA Guide for Shipboard Lifting Appliances

Part II, Title 46, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	46	1	B	B1.103	Deflection	D	Dock Master Training Manual by Heger Dry Dock, Inc	The present topic was incorporated in accordance with the Dock Master Training Manual Heger Dry Dock
II	46	1	H	H2	Determination of the lightship	D	Dock Master Training Manual by Heger Dry Dock, Inc	The present topic was incorporated in accordance with the Dock Master Training Manual Heger Dry Dock
II	46	1	H	H4	Dock buoyancy	D	Dock Master Training Manual by Heger Dry Dock, Inc	The present topic was incorporated in accordance with the Dock Master Training Manual Heger Dry Dock

Part II, Title 46, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	46	2		G1	Scope	E	RBNA RULES 2008,	The RBNA has deleted the present subchapter because the Title 11 was not sufficient to design the primary structure of the ship and so it was decided to develop formulas in compliance with the Lift Capacity of the ship as another classifications societies do in own rules.
II	46	2		G2	Configuration of the Global Structure	M	RBNA RULES 2008	The present subchapter was shifted to Subchapter H4
II	46	2		G3	Loading Global Structure	M	RBNA RULES 2008	The present subchapter was shifted to Subchapter H4
II	46	2	H	All	Longitudinal Strength	D	Drydocking Facilities and Shipbuilding Ways for U.S NAVY SHIPS	Developed according to the subject reference to take into account full parameters influencing the longitudinal strength of floating docks

Part II, Title 47, Section 1

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	47	1	A	A1	Application	D	Review of the 2008 texts	This Subchapter has been developed to include the applicable requirements for the several additional service and class notations usually required by the offshore vessels, as well as explanation of the requirements applicable to commercial denominations such as PSV.
				A2	Definitions	D	MARPOL Annex II as ammended	The definitions of hazardous substances has been changed to incorporate the latest MARPOL Annex II amendments. Also, a guidance has been included as explanation to the relation between certain commercial denominations and the Rule requirements.
			B	All	Documents, regulations and standards	D	IMO instruments amendments Internal development	The IMO instruments reference have been updated. The text about application has been modified to take into account vessels of GR < 500 and foreign flags, not present in the 2008 edition. The list of plans has been updated.
			C	C3	Environmental preservation	D		The text about application has been modified to take into account vessels of GR < 500 and foreign flags, not present in the 2008 edition. Removal of the requirements for additional class notation SMA transferred to the new Part II, Title 110.
			D	All	Additional class notation "Petroleum Products"	I	IMO Res A.673(16) as amended	Two new tables have been included for the permitted products and cargoes as per Resolutin A.673(16) The quantities of oil and dangerous chemicals allowed by Resolution A.673(16) has been included.
			E	All	Configurations	I	IMO Res A.673(16) as amended	Arrangements and accesses as per Resolutin A.673(16)
			H	All	Cargo loading conditions, buoyancy and stability	I	IMO Res MSC.235(82) IMO IS Code	Intact stability according to IMO IS Code Damage Stability according to MSC.235(82)
			J	All	Special requirements for standby supply vessels	D	Based on the sperience of RBNA staff Research.	New Chapter.

Part II, Title 47, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	47	2	B	B2	Regulations	A		Altered to take into account ships of GT < 500 under foreign flags

Part II, Title 47, Section 5

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	47	All	All	All	Regulations	M	RBNA RULES 2008	In accordance with the Previous RBNA Rules.

Part II, Title 47, Section 6

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	47	6	F	F4	Pollution prevention	A	MARPOL Annex II	Altered according to the amended text of MARPOL Annex II

Part II, Title 47, Section 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	47	7	A	A2	Definitions	I	IEC 60092-502 and IEC 60092-506	Altered according to the definitions of the standard in reference
			D	D3	Installation of equipment in hazardous areas	I	IEC 60092-502 and IEC 60092-506	Altered according to the definitions of the standard in reference
				D4	Types of protection	I	IEC 60092-502 and IEC 60092-506	Altered according to the definitions of the standard in reference

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			E	All	Basic principles for dimensioning	E	IEC 60092-502 and IEC 60092-506	Text superseded by Chapters D3 and D4. The text in Chapter E of the 2008 edition has been superseded and a new text developed in Chapter D, Subchapters D3 and D4 because Chapter D is the proper Chapter for the contents.
			T	Tables	Tables for protection degree of electrical equipment	E	IEC 60092-502 and IEC 60092-506	Text superseded by Chapters D3 and D4.

Part II, Title 48, Sections 1, 3 and 8

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	48	1, 3 And 8	All	All	Diving Support Vessel	I	<p>IMCA - IMCA M 103 Rev. 1 - Guidelines for the Design and Operation of Dynamically Positioned Vessels – Chapter 2 – Diving Support Vessels</p> <p>IMCA M 175 – Guidance on operational communications: Part 1 – Bridge and dive control</p> <p>OTH 90 336 – Offshore Technology Report – Department of Energy – UK - 1991 – ISBN 011 413345 X</p> <p>IMO Code of Safety for diving systems adopted 23 November 1995 as res. A.831(19).).</p> <p>IMCA – MCA D 052 May 2013 – Guidance on Hyperbaric Evacuation Systems.</p> <p>IMO.Resolution MSC.235(84) Guideline for the Design and Construction of Supply Vessels</p> <p>NORMA 15 Chapter 13</p>	<p>New Chapter entirely developed by RBNA from the subject references.</p> <p>Not existing in the 2008 Edition.</p>

Part II, Title 48, Section 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	48	7	All	All	Electrical installations in DSV vessels	DI	IEC Publication 60079	New Chapter entirely developed by RBNA from the subject references. Not existing in the 2008 Edition.

Part II, Title 101, No Sections

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
	101	No	All	All	Lay-up Vessels	D	<p>“Guideline for Lay-Up of Ships”, GAC Ship Solutions</p> <p>“North of England Briefing: Vessel Lay Up”, North of England P&I Association, 2009</p> <p>“Guidelines for Lay-up Ships”, UK P&I Club (Thomas Miller)</p>	This Title is the previous Title 51 of the RBNA Rules 2008 and changed to the Title 101

Part II, Title 102, Section 5

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
A	IMO IMSBC Code	5	All	All	Additional Class Notation for ships fitted with automation systems	A	Revisions	Small text corrections
			A	A1. 101	Application	D		Developed to include international standards for ships with GT < 500
				A4. 324	Reverse gear box	D	Internal suggestion	Requirements for reverse gear boxes
				A4. 508 to 512	Alarm and detection systems	A	IEC 60092-504	Requirements from IEC 60092-504 included
				A4 .515.b	Shut-off alarms	A	IEC 60092-504	Requirements from IEC 60092-504 included
				A4. 514	Guidance	D	IEC 60092-504	Guidance on A4.508 to A4.512 from IEC 60092- 504
				A5 .40380 0	Detection system and fire alarm for ships with periodically unattended machinery space	I	[SOLAS 2/C/Regulation 7] II-	New text
			D	All	Centralized navigation control (CNC)	I	IACS UR N1	Incorporated for compliance with the IACS QSCS

Part II, Title 103 Section 8

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
I	103	8	F	F7.309	Requirements for DSV vessels	A	<i>NORMAM 13</i> Internal suggestions	DSV vessels require SDP-2 as a minimum
				F8.105	DP control system	A	<i>Internal suggestion</i>	Alarms and warnings
				F1.101	Cables	A	<i>Internal suggestion</i>	Cables for equipment Class 2
					Guidance summary table	D	<i>DPDR decision</i>	DPDR decided to create a summary table of the basic systems for each DP additional class notation

Part II, Title 104, Sections 1, 3 and 7

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	104	All	All	All	Additional Class Notation for ships engaged in the carriage of dangerous goods	I	IMO IMSBC Code	Totally re-written as a function of the new IMO IMSBC Code, and NORMAM 29

Part II, Title 111, Sections 1, 3, 6 and 8

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II	111	All	All	All	Additional Class Notation for ships engaged in fighting external fires	D		New Title Developed by RBNA based on experience of our surveyors, on data taken from manufacturers and on characteristics of fire-fighting ships. Foam systems and monitors based on IMO FFC and Part II, Title 35 of the 2008 RBNA Rules.

Part III, Title 61, Section 2

A = Altered

I = Incorporated

D = Developed

E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
II I	61	02	A	A3. 100	Test specimens	I E	IACS UR W2.1	Incorporated for compliance with IACS QSCS The former text was contained in the new IACS text .
				A3. 200	General	I	IACS UR W2.2	Incorporated for compliance with IACS QSCS
				A3. 300	Testing machines	I	IAC S UR W2.3	Incorporated for compliance with IACS QSCS
				A3. 400	Tolerances	I	IACS UR W 2.4.2.10	Incorporated for compliance with IACS QSCS
				A4	Tensile specimens	I	IACS UR W2.4	Incorporated for compliance with IACS QSCS
				A5	Weldments	I E	IACS UR W2.4.2.8	Incorporated for compliance with IACS QSCS Previous text in A5.200 deleted, as contained in the IACS more developed text.
				A6	Tensile properties at ambient temperature	I	IACS UR W2.5	Incorporated for compliance with IACS QSCS
				A7	Bend type specimens	I	IACS UR W2.6	Incorporated for compliance with IACS QSCS
				A8	Toughness testing	I	IACS UR W2.7	Incorporated for compliance with IACS QSCS
				A9	Dropweight specimens	I	IACS UR W2.7.5	Incorporated for compliance with IACS QSCS
			B		Normal and high strength structural steel			
				B2	Quality: scope and approval	I E	IACS W11	Previous text containing qualities of steel A and B deleted because the IACS UR W bring several types of common structural steel and high strength steel. Rules 2008 had kept this text while presenting Table T.B2.101.1 with several other qualities of steel and their characteristics. Incorporated for compliance with IACS QSCS
				B3	Characteristics of materials for structural use	I E	IACS W11.4 and IACS W11.6	Previous text removed because it was contained in the IACS texts, with small adjustments in Table T.B2.101.1 Incorporated for compliance with IACS QSCS
				B4	High strength quenched and tempered steel for welded structures	I	IACS UR W16	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
				B5	Steel plates and wide flats with specified minimum through thickness properties (Z quality)	I	IACS UR W14	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
				B6	Acceptance criteria	I	IACS Rec 12	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				B7	Thickness tolerances of steel plates and wide flats	I	IACS UR W13	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
				B8	Requirements for tests	I	IACS UR W11	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
				B9	Manufacturing approval scheme of semi-finished products for hull structural steels	I	IACS UR W11 Appendix A1	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
				B10	Manufacturing approval scheme of hull structural steels	I	IACS UR W11 Appendix A2	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
				B11	Approval scheme for manufacturer of hull structural steels intending for welding with high heat input	I	IACS UR W11 Appendix B	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
			C		Steel castings	I E	IACS UR W8	Previous text removed because it was contained in the IACS texts Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules IACS UR W8 brings steel castings for hull and machinery..
				C12	Non destructive examination of marine steel castings	I	IACS Rec 69	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules IACS Rec 69 brings steel castings for hull and machinery.
			D		Steel forgings	I E	IACS UR W7	Previous text removed because it was contained in the IACS texts Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules IACS UR W8 brings steel castings for hull and machinery.
				D12	Guidelines for non destructive examination of hull steel forgings	I	IACS Rec 68	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules IACS Rec 68 brings steel castings for hull and machinery.
			E		Approval of consumables for welding normal and high strength steels	I E	IACS UR W17	Previous text removed because it was contained in the IACS texts Incorporated for compliance with IACS QSCS
			F		Welding procedure qualification tests of steels for hull construction and marine structures	I E	IACS UR W28	A careful comparison was carried out between the previous texts and the IACS texts. Whenever the previous texts were included in the IACS texts, the previous texts were deleted. Incorporated for compliance with IACS QSCS This is a development in relation to the 2008 Rules
				F5	Welder qualification			Previous text maintained.

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			G		Aluminium alloys for hull construction and marine structures	I E	IACS W25 UR	A careful comparison was carried out between the previous texts and the IACS texts. Whenever the previous texts were included in the IACS texts, the previous texts were deleted. Incorporated for compliance with IACS QSCS This is a development in relation to the 2008 Rules
			H		Approval of welding consumables for high strength quenched and tempered steels for welded structures		IACS W23 UR	Incorporated for compliance with IACS QSCS This chapter was not present in the 2008 Rules
			I		Materials and weldings for gas tankers	M	IACS W1 IGC Code UR	This text was presented in Title 34, Gas Carriers, derived from the IGC Code, and was shifted to the present Part III, Title 61, Section 2. The IACS text is integrally the same as that of the IGC Code.

Part III, Title 61, Section 3

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
III	61	3	B	B2	Anchors	I	IACS UR A.1.4	Incorporated for compliance with IACS QSCS The former text was deleted. Part of it was contained in the new IACS text.
				B2. 300	Materials for anchors	I	IACS UR W29, W11, W7	Incorporated for compliance with IACS QSCS Former text was deleted.
				B2. 400	Materials for SHHP anchors		IACS UR W11, W7, W8, W17, W18	Incorporated for compliance with IACS QSCS according to the type of construction. Previous text inexistent.
				B2. 500	Manufacture of anchors	I	IACS UR W29	Requirements for the manufacture of anchors
				B2. 600	SHHP anchors Anchoring Equipment	I	IACS UR A.1.4.3 IACS UR A1.2	Incorporated for compliance with IACS QSCS according to the type of construction. Previous text inexistent.
				B.3	Permissible wear down of anchor chains	I	IACS UR A1.6	Incorporated for compliance with IACS QSCS according to the type of construction. Previous text inexistent.
				B.4	Anchor chain cables and accessories including chafing chain for emergency towing arrangements	I	IACS UR W18	Incorporated for compliance with IACS QSCS according to the type of construction. Previous text inexistent.
			D	D;3	Rudders, sole piece and rudder horns	I	IACS UR S10	Incorporated for compliance with IACS QSCS. Previous text deleted. See below (***)
			E	E2	Periodic Survey and Testing of Foam Concentrates and CO2 Halon Containers	I	IACS Rec 53	Incorporated for compliance with IACS QSCS according to the type of construction. Previous text inexistent.
				E3	Guidance for inspection and testing of furnaces for testing fire proof doors	D	IMO	-Resolution IMO A.754(18) – Recommendations for the fire resistance test of fire proof bulkheads classes “A”, “B” and “F” -Resolution IMO MSC.61(67) –FTP Code -International standard ISO 834-1
			F	F3	Side scuttles, windows and skylights	D	IACS, IMO, ISO	Developed on the base of IACS LL62, ICLL Reg. 23 (Side Scuttles, Windows and Skylights), <u>ISO</u> “Shipbuilding” -- Side scuttles/ Ordinary rectangular windows: 1751, 3903, 21005, 1095, 5797, 5779, 5780. Previous text inexistent.
			H		Guidelines for container corner fittings	I	IACR Rec 45	Incorporated for compliance with IACS QSCS according to the type of construction. Previous text inexistent.

Part III, Title 61, Section 4

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
III	61	4	A		Scope	D	Research into IMO FTP Code, NORMAM 05 and texts of other Classification Societies	Entirely new Chapter. Previous Chapter deleted as a whole. Requirements for vessels under 500 GT and equal to or over 500 GT are clearly laid out. The necessary documentation requirements have been included, i.e., list of required plans and documents for approval.
			B		Approval of materials and test procedures	D	Research into IMO FTP Code, NORMAM 05 and texts of other Classification Societies	Entirely new Chapter. Previous Chapter deleted as a whole. Lists which materials need certification and refers to the IMO FTP Code for the testing of such materials.

Part III, Title 62, Section 5

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
III	62	5	A	A1.200	Definitions	D	www.substech.com Chiaverini, Vicente - Metalurgia www.infomet.com.br - Glossário do Sistema Minero - Metalúrgico	Definitions for better understanding of the thermal treatment procedures, taken from Metallurgy textbooks and references as per “Source” column.
			B	All	Steel castings for machinery	E		Transferred to Part III, Title 61, Section 3
			C	All	Iron Castings	E		Transferred to Part III, Title 61, Section 3
			D	All	Gray iron castings	I	IACS UR W9	Incorporated for compliance with IACS QSCS
			E	All	Spheroidal or nodular graphite iron castings	I	IACS UR W10	Incorporated for compliance with IACS QSCS
			G	All	Cast copper alloy propellers	I	IACS UR W24	Incorporated for compliance with IACS QSCS
			H	H1.200	Ambient reference conditions	I	IACS UR M28	Incorporated for compliance with IACS QSCS
				H1.300	Definition of Diesel Engine Type	I	IACS UR M32	Incorporated for compliance with IACS QSCS
				H1.400	Definition of Mass Production	I	IACS UR M14	Incorporated for compliance with IACS QSCS
				H2	Programme for type testing of non-mass produced i.c. engines	I	IACS UR M50	Incorporated for compliance with IACS QSCS
				H3	Programme for type testing of mass produced i.c. engines.	I	IACS UR M5	Incorporated for compliance with IACS QSCS Previous text incorporated in the IACS text or maintained in the “Guidance” in and H3.500
				H4.100 To 300	Programme for trials of mass produced i.c. engines to assess operational CAPABILITY	I	IACS UR M51	Incorporated for compliance with IACS QSCS
				H4.400 and 500		M	2008 edition of the Rules	Previous text maintained
				H5	Parts of internal combustion engines for which material tests are required	I	IACS UR M18	Incorporated for compliance with IACS QSCS

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
				H6	Parts of internal combustion engines for which nondestructive tests are required	I	IACS UR M19	Incorporated for compliance with IACS QSCS
				H7	Test pressures for parts of internal combustion engines 1	I	IACS UR M6	Incorporated for compliance with IACS QSCS
				H8	Mass production of engines: mass produced exhaust driven turboblowers	I	IACS UR M23	Incorporated for compliance with IACS QSCS
				H9	Charge air coolers	I	IACS UR M58	Incorporated for compliance with IACS QSCS
			I	All	Steering gear testing	I	IACS UR M42	Incorporated for compliance with IACS QSCS
			J	All	Type testing procedure for crankcase explosion relief valves	I	IACS UR M66	Incorporated for compliance with IACS QSCS
			K	All	Type testing of crankcase oil mist detection and alarm equipment	I	IACS UR M67	Incorporated for compliance with IACS QSCS
			L	All	Cast steel propellers	I	IACS W27	Incorporated for compliance with IACS QSCS

Part III, Title 62, Section 6

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
III	62	6	All	All	Piping	E I	See below	This Chapter has been completely re-written and the previous text deleted due to the incorporation of IACS text which take into account the pipe classes.
				A2.100	Test specimens	I	IACS UR W2 Item 2.4.2.5 - tubes	Incorporated for compliance with IACS QSCS Former text maintained although changed to Subchapter A3
			B	All	Rules for the design, construction and testing of pipes	I	IACS UR P2	Incorporated for compliance with IACS QSCS

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			C	All	Guidelines for the construction of pressure vessel type tanks intended for the transportation of anhydrous ammonia at ambient temperatures	I	IACS REC 33	Incorporated for compliance with IACS QSCS
			T	T1	Application	M	2008 edition of the Rules	Previous text maintained
				T2	Rules for the design, construction and testing of pipes	I	IACS UR P2.6	Incorporated for compliance with IACS QSCS
				T3	Mechanical tests and ductility tests for pipes and tubes	I	IACS UR W2.8	Incorporated for compliance with IACS QSCS Item T2.208 maintained from previous text.
				T4	Hydrostatic tests	I	IACS UR P2.8	Incorporated for compliance with IACS QSCS
				T5	Testing of plastic pipes	I	IACS UR P4	Incorporated for compliance with IACS QSCS
				T8	Air pipe closing devices	I	IACS UR P3	

Part III, Title 63, Section 7

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E = Erased

M = Maintained

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
III	63	7	All	All				This Title 63Section 7 has been completely re-written according to the applicable IACS UR's. There was no previous text.
III	63	7	A	All	Testing requirements for rotating machinery	I	IACS UR E13	Incorporated for compliance with IACS QSCS
			B	All	Requirements for construction and type or unit approval of rectifiers/chargers of batteries	I	IACS UR E10	Incorporated for compliance with IACS QSCS
			C	All	Testing and type testing of electric cables	D	Standard IEC 60092-350.	Developed in accordance with the IEC standard under reference

Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
			D	All	Testing and type testing of electric panels and switchboards	D	Test reports Standard IEEE 45-2002	Developed according to the model of test reports applied by to the certification of electric panels and switchboards since 2000.
			E	All	Type approval procedure for cable trays/protective casings made of plastics materials	I	IACS UR E16	Incorporated for compliance with IACS QSCS

This Title 63Section 7 has been completely re-written according to the applicable IACS UR's (see below in "Fundamentos"). There was no previous text.

Part III, Title 63, Section 8

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Part	Title	Section	Chapter	Item	Description	Status	Source	Foundation
III	63	8	A	All	Test specification for Type Approval	I	IACS UR E10 IEC 60092-504 "Electrical Installations in Ships - Part 504: Special features Control and Instrumentation"; and IEC 60533 "Electrical and electronic installations in ships electromagnetic compatibility".	Incorporated for compliance with IACS QSCS
III	63	8	B	All	Guidelines on approval procedure for onboard loading computers		IACS Rec 21	Incorporated for compliance with IACS QSCS