



# RUSSIAN MARITIME REGISTER OF SHIPPING

**CIRCULAR LETTER**

**No. 313-14-1728c**

dated 29.03.2022

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2022, ND No. № 2-020101-152-E considering experience in technical supervision

Item(s) of supervision:

ships under construction

Entry-into-force date:

**refer to Appendix 1**

Cancels / amends / adds Circular Letter No.

dated

Number of pages: 1 + 8

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Parts I "Classification", III "Equipment, Arrangements and Outfit", IV "Stability", VI "Fire Protection", VIII "Systems and Piping" and XVII "Distinguishing Marks and Descriptive Notations in the Class Notation Specifying Structural and Operational Particulars of Ships"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that in connection with implementation of IMO resolution MSC.477(102) and IACS Unified Requirement (UR) F46 (Aug 2021), the Rules for the Classification and Construction of Sea-Going Ships shall be amended as specified in the Appendices to the Circular Letter.

It is necessary to do the following:

1. Bring the content of the Circular Letter to the notice of the RS surveyors, interested organizations and persons in the area of the RS Branch Offices' activity.
2. Apply the provisions of the Circular Letter during review and approval of the technical documentation on ships contracted for construction or conversion starting from or after the dates specified in Appendix 1, in the absence of a contract, during review and approval of the technical documentation on ships requested for review starting from or after the dates specified in Appendix 1.

List of the amended and/or introduced paras/chapters/sections:

Part I: para 2.2.8, Table 2.5

Part III: paras 7.2.1.10 and 9.2.12

Part IV: para 3.13.1

Part VI: paras 1.4.4 and 3.8.3.8, Tables 6.6.3-1 and 6.6.3-2, paras 6.6.6.2, 6.6.7.2, 6.6.8.2, 6.6.9.2, 7.1.2 and 8.4.1.4

Part VIII: para 13.7.7

Part XVII: para 13.2.1.3

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**Information on amendments introduced by the Circular Letter  
(for inclusion in the Revision History to the RS Publication)**

Nos.	Amended paras/chapters/ sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
1	Part I, para 2.2.8	Requirements have been specified due to introduction of a distinguishing mark <b>FF3</b> for a ship carrying equipment for fire fighting aboard other ships	313-14-1728c of 29.03.2022	01.07.2022
2	Part I, Table 2.5	References to paras and parts of the RS Rules containing requirements for ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
3	Part III, para 7.2.1.10	Requirements for ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
4	Part III, para 9.2.12	Requirements for ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
5	Part IV, para 3.13.1	Requirements for ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
6	Part VI, para 1.4.4	Requirements have been specified for using graphical symbols for fire control plans	313-14-1728c of 29.03.2022	01.07.2022

Nos.	Amended paras/chapters/ sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
7	Part VI, para 3.8.3.8	Requirements have been specified for the carbon dioxide smothering system in connection with implementation of IACS UR F46 (Aug 2021)	313-14-1728c of 29.03.2022	01.07.2022
8	Part VI, Table 6.6.3-1	Requirements for ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
9	Part VI, Table 6.6.3-2	Requirements for ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
10	Part VI, para 6.6.6.2	Requirements for ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
11	Part VI, para 6.6.7.2	Requirements have been specified for pressure water-spraying system on ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation	313-14-1728c of 29.03.2022	01.07.2022
12	Part VI, para 6.6.8.2	Requirements for the special water fire extinguishing system on ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022

Nos.	Amended paras/chapters/ sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
13	Part VI, para 6.6.9.2	Requirements for the special foam fire extinguishing system on ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
14	Part VI, para 7.1.2	Definition "IMDG Code" has been specified in connection with introduction of IMO resolution MSC.477(102)	313-14-1728c of 29.03.2022	01.06.2022
15	Part VI, para 8.4.1.4	Requirements have been specified for the floor plating of normal passageways in machinery spaces of category A on cargo ships of less than 500 gross tonnage	313-14-1728c of 29.03.2022	01.07.2022
16	Part VIII, para 13.7.7	Requirements for ships having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022
17	Part XVII, para 13.2.1.3	Requirements for ships of special types having a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships in the class notation have been specified due to introduction of distinguishing mark <b>FF3</b>	313-14-1728c of 29.03.2022	01.07.2022

**RULES FOR THE CLASSIFICATION AND CONSTRUCTION  
OF SEA-GOING SHIPS, 2022,**

**ND No. 2-020101-152-E**

**PART I. CLASSIFICATION**

**2 CLASS OF A SHIP**

1 **Para 2.2.8** is replaced by the following text:

**"2.2.8 Distinguishing mark for a ship carrying equipment for fire fighting aboard other ships.**

If a ship carries supplementary systems, equipment and outfit for fire fighting aboard other ships, offshore drilling units, floating and shore facilities and if the ship is in full compliance with the relevant requirements of these Rules in respect to those appliances, distinguishing marks **FF1WS, FF1, FF2WS, FF2, FF3WS** or **FF3** are added to the character of classification proceeding from the degree of the ship equipment with these appliances.

The degree of the ship equipment for fire fighting in other structures is determined on the basis of the list of fire fighting equipment and systems prescribed by 6.6 of Part VI "Fire Protection".

2 **Table 2.5. Para 2.5** is replaced by the following text:

"Table 2.5

Distinguishing mark or descriptive notation	Brief description	References to RS requirements
<b>2.5 Distinguishing marks for ships carrying equipment for fire fighting aboard other ships</b>		
<b>FF1 FF2 FF3</b>	A ship carries supplementary systems, equipment and outfit for fire fighting aboard other ships, offshore drilling units, offshore installations and shore facilities	<b>Rules for the Classification and Construction of Sea-Going Ships</b> Part I "Classification", 2.2.8 Part III "Equipment, Arrangements and Outfit", 7.2.1.10, 9.2.12 Part IV "Stability", 3.13.1 Part VI "Fire Protection", 6.6, 5.1.2 Part VIII "Systems and Piping", 7.1.10, 13.7.7 Part XVII "Distinguishing Marks and Descriptive Notations in the Class Notation Specifying Structural and Operational Particulars of Ships", 13.2.1.3
<b>FF1WS FF2WS FF3WS</b>		<b>Rules for the Classification and Construction of Sea-Going Ships</b> Part I "Classification", 2.2.8 Part III "Equipment, Arrangements and Outfit", 9.2.12 Part IV "Stability", 3.13.1 Part VI "Fire Protection", 6.6, 5.1.2 Part VIII "Systems and Piping", 7.1.10, 13.7.7 Part XVII "Distinguishing Marks and Descriptive Notations in the Class Notation Specifying Structural and Operational Particulars of Ships", 13.2.1.3

"

## PART III. EQUIPMENT, ARRANGEMENTS AND OUTFIT

### 7 OPENINGS IN HULL, SUPERSTRUCTURES AND DECKHOUSES AND THEIR CLOSING APPLIANCES

3 **Para 7.2.1.10** is replaced by the following text:

"**7.2.1.10** Ships having distinguishing marks **FF1**, **FF2** and **FF3** in the class notation shall be fitted with side scuttles having deadlights permanently attached to their primary structure, wheelhouse windows shall be fitted with detachable screens, except side scuttles and windows in the wheelhouse, and search and rescue operation control station."

### 9 EMERGENCY OUTFIT

4 **Para 9.2.12** is replaced by the following text:

"**9.2.12** Ships having distinguishing marks **FF1**, **FF1WS**, **FF2**, **FF2WS**, **FF3** and **FF3WS** in the class notation shall have two searchlights capable of providing an efficient horizontal and vertical range of illumination of a surface not less than 10 m in diameter at a distance up to 250 m at the minimum illumination intensity up to 50 lx at dark time and clear atmosphere."

## PART IV. STABILITY

### 3 ADDITIONAL REQUIREMENTS FOR STABILITY

5 **Para 3.13.1** is replaced by the following text:

"**3.13.1** This Chapter applies to ships having distinguishing marks **FF1WS**, **FF1**, **FF2WS**, **FF2**, **FF3WS** or **FF3** for ships carrying equipment for fire fighting aboard other ships, offshore drilling units, shore and floating facilities."

## PART VI. FIRE PROTECTION

### 1 GENERAL

6 **Para 1.4.4** is replaced by the following text:

"**1.4.4** Description in such plans and booklets shall be in the state language and in the English/French language. The symbols for items listed in 1.4.1 shall be in agreement with IMO resolution A.952(23) "Graphical Symbols for Fire Control Plans", as well as Table 3 of IMO resolution A.1116(30) for items, which signs are not indicated in IMO resolution A.952(23).

For ships not engaged on international voyages, translation into English or French is not required.

The graphical symbols shall be coloured."

### 3 FIRE-FIGHTING EQUIPMENT AND SYSTEMS

7 **Para 3.8.3.8** is replaced by the following text:

**"3.8.3.8** Safety relief devices shall be provided in each section of pipe that may be isolated by block valves and in which there could be a build-up of pressure in excess of the design pressure of any of the components.

The system shall be designed in such a way that the carbon dioxide pressure at the nozzles installed in the protected spaces shall not be less than 1 MPa."

### 6 REQUIREMENTS FOR FIRE PROTECTION OF SPECIAL PURPOSE SHIPS AND SPECIAL FACILITIES ON SHIPS

8 **Table 6.6.3-1** is replaced by the following:

"Table 6.6.3-1

Special systems	Distinguishing mark in the class notation					
	FF1	FF1WS	FF2	FF2WS	FF3	FF3WS
Water-screen system, pressure water-spraying system <sup>1</sup>	—	+	—	+	— <sup>5</sup>	+
Water fire main system	+	+	+	+	+	+ <sup>2</sup>
Foam fire extinguishing system	+	+	+	+	+	+
Dry powder system	+ <sup>3</sup>	+ <sup>3</sup>	+ <sup>3</sup>	+ <sup>3</sup>	+	+ <sup>3</sup>
Bilge system <sup>4</sup>	+	+	+	+	+	—

<sup>1</sup> Refer to 6.6.6.6.  
<sup>2</sup> Refer to 6.6.8.2.  
<sup>3</sup> Refer to 6.6.10.1.  
<sup>4</sup> Refer to 7.1.10, Part VIII "Systems and Piping".  
<sup>5</sup> All outer hull surfaces located above the lowest possible load waterline, superstructures, deckhouses, and open decks shall be insulated to "A-60" class.

9 **Table 6.6.3-2** is replaced by the following:

"Table 6.6.3-2

Special equipment	Distinguishing mark in the class notation		
	FF1 FF1WS	FF2 FF2WS	FF3 FF3WS
Pumps, in pcs	2 — 4	2 — 3	1
Monitors:			
water monitors, in pcs	4	3	2
with supply rate of each monitor, in m <sup>3</sup> /hour,	2500	1200	100 <sup>1</sup> /500/1000
jet range, in m	150	120	80 <sup>1</sup> /100/120
foam monitors, in pcs	2	— <sup>2</sup>	— <sup>2</sup>
Dry powder monitors <sup>3</sup> , in pcs	1	1	1
Distribution valve manifolds, in pcs	4	4	2

<sup>1</sup> The smaller value is for ships referred to in 6.6.8.2.  
<sup>2</sup> A necessity in installation and characteristics to be indicated by the customer in accordance with the requirements of 6.6.9.2.  
<sup>3</sup> For ships referred to in 6.6.10.1.

10 **Para 6.6.6.2** is replaced by the following text:

**"6.6.6.2** Doors and side scuttles of ships having distinguishing marks **FF1**, **FF2** or **FF3** in the class notation, which are not fitted with the above system, shall comply with the requirements of 7.2.1.10, Part III "Equipment, Arrangements and Outfit"."

11 **Para 6.6.7.2** is replaced by the following text:

**6.6.7.2** The rate of water discharge to the protected surface shall be:  
10 l/min per 1 m<sup>2</sup> for vertical areas (non-insulated) and 5 l/min per 1 m<sup>2</sup> for vertical areas insulated to "A-60" class, as well as for vertical hull surfaces in way of ballast tanks, cofferdams and dry compartments;  
5 l/min per 1 m<sup>2</sup> for horizontal areas (non-insulated); no requirement for exposed deck insulated to "A-60" class;  
10 l/min per 1 m<sup>2</sup> for wood sheathed steel decks."

12 **Para 6.6.8.2** is replaced by the following text:

**6.6.8.2** The special water fire extinguishing system in ships having distinguishing marks **FF1, FF1WS, FF2 or FF2WS** in the class notation shall be independent.  
In ships having distinguishing marks **FF3** and **FF3WS** in the class notation, the ship water fire main system may be used as part of the special water fire extinguishing system."

13 **Para 6.6.9.2** is replaced by the following text:

**6.6.9.2** Ships having distinguishing marks **FF2, FF2WS, FF3 or FF3WS** in the class notation may have the system fitted with air-foam nozzles, foam generators or combination foam units, in this case foam monitors may be omitted."

## **7 SPECIAL REQUIREMENTS FOR SHIPS CARRYING PACKAGED DANGEROUS GOODS AND DANGEROUS GOODS IN BULK**

14 **Para 7.1.2.** The definition "IMDG Code" is replaced by the following text:

"IMDG Code is the International Maritime Dangerous Goods (IMDG) Code adopted by IMO resolution MSC.122(75), as amended by IMO resolutions MSC.157(78), MSC.205(81), MSC.262(84), MSC.294(87), MSC.328(90), MSC.372(93), MSC.406(96), MSC.442(99), MSC.477(102)."

## **8 REQUIREMENTS FOR FIRE PROTECTION OF CARGO SHIPS OF LESS THAN 500 GROSS TONNAGE**

15 **Para 8.4.1.4** is replaced by the following text:

**8.4.1.4** Stairways serving machinery spaces, accommodation spaces, service spaces or control stations shall be of steel or other equivalent material.  
The floor plating of normal passageways in machinery spaces of category A shall be of steel or other equivalent material."

## **PART VIII. SYSTEMS AND PIPING**

### **13 FUEL OIL SYSTEM**

16 **Para 13.7.7** is replaced by the following text:

**13.7.7** In ships having distinguishing mark for fire fighting aboard other ships in the class notation, the fuel oil tanks shall contain fuel oil reserve sufficient to provide the operation of pumps of special fire-extinguishing systems during 24 h for ships having distinguishing marks **FF3, FF3WS** and 72 h for ships having distinguishing marks **FF1, FF1WS, FF2 or FF2WS**."

**PART XVII. DISTINGUISHING MARKS AND DESCRIPTIVE NOTATIONS IN THE CLASS NOTATION SPECIFYING STRUCTURAL AND OPERATIONAL PARTICULARS OF SHIPS**

**13 ADDITIONAL REQUIREMENTS FOR SHIPS OF SPECIAL TYPES**

17     **Para 13.2.1.3** is replaced by the following text:

"**13.2.1.3** Ships carrying equipment for fire fighting aboard other ships and complying with the requirements of 7.2.1.10 and 9.2.12, Part III "Equipment, Arrangements and Outfit", 3.13.1 of Part IV "Stability", 5.1.2 and 6.6 of Part VI "Fire Protection", 7.1.10 and 13.7.7 of Part VIII "Systems and Piping" (as applicable) and 13.2.4.3 of this Part may be assigned one of the following distinguishing marks: **FF1, FF2, FF3, FF1WS, FF2WS, FF3WS**".