



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 313-14-1521c

dated 12.03.2021

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2021, ND No. 2-020101-138-E

Item(s) of supervision:

ships under construction

Entry-into-force date:

15.04.2021

~~Valid till:~~

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Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part VI "Fire Protection"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that 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 on or after 15.04.2021, in the absence of a contract, the keels of which are laid or which are at a similar stage of construction on or after 15.04.2021.

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

Part VI: paras 1.2.1, 2.1.1.4.3, 3.2.5.8, 3.2.6.2, 3.6.1, 3.7.1.2, 3.7.2.2, 3.9.2, Table 5.1.2, paras 6.4.7, 6.4.8, Table 6.6.3-1, paras 6.6.4, 6.6.6.6, 6.6.7, 6.6.7.1, 6.6.8.1

Person in charge: Evgeny V. Koptev

313

+7 (812) 312-39-85

"Thesis" System No. 21-37569

**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	Para 1.2.1	New definition "Main vertical zones" has been introduced in accordance with Reg. II-2/3.32 of SOLAS-74, as amended	313-14-1521c of 12.03.2021	15.04.2021
2	Para 2.1.1.4.3	Requirement has been specified for the total mass of combustible materials per unit area of the space in control stations, accommodation spaces and service spaces on fishing vessels of 24 m in length and over	313-14-1521c of 12.03.2021	15.04.2021
3	Para 3.2.5.8	Requirements have been specified for fire mains of fishing vessels of 24 m in length and over in compliance with Regulation V/18 (1) (b) of the Torremolinos International Convention for the Safety of Fishing Vessels, 1977, as amended	313-14-1521c of 12.03.2021	15.04.2021
4	Para 3.2.6.2	Requirements have been specified for location of fire hydrants in accommodation, service and machinery spaces on passenger ships	313-14-1521c of 12.03.2021	15.04.2021
5	Para 3.6.1	Requirements have been specified for water drenching system	313-14-1521c of 12.03.2021	15.04.2021
6	Para 3.7.1.2	Requirements have been specified for foam concentrates	313-14-1521c of 12.03.2021	15.04.2021
7	Para 3.7.2.2	Requirements have been specified for number of air-foam nozzles for deck foam fire extinguishing systems	313-14-1521c of 12.03.2021	15.04.2021
8	Para 3.9.2	References have been specified to IMO circulars containing requirements	313-14-1521c of 12.03.2021	15.04.2021

Nos.	Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
		for fixed water-mist fire extinguishing systems		
9	Table 5.1.2	Requirements have been specified for number of air-foam nozzles for deck foam fire extinguishing systems	313-14-1521c of 12.03.2021	15.04.2021
10	Para 6.4.7	Requirements have been specified for sea water supply to the water fire extinguishing systems on oil recovery ships	313-14-1521c of 12.03.2021	15.04.2021
11	Para 6.4.8	Requirements have been specified for remote starting of fire extinguishing systems from navigation bridge on oil recovery ships	313-14-1521c of 12.03.2021	15.04.2021
12	Chapter 6.6	In Table 6.6.3-1, paras 6.6.4, 6.6.6.6, 6.6.7, 6.6.7.1 and 6.6.8.1 the requirements have been specified for protection of ships having in the class notation a distinguishing mark for a ship carrying equipment for fire fighting aboard other ships by water fire extinguishing systems due to deletion of drenching system	313-14-1521c of 12.03.2021	15.04.2021

RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2021,

ND No. 2-020101-138-E

PART VI. FIRE PROTECTION

1 GENERAL

1 **Para 1.2.1.** After the definition "Lower flammable limit (LFL)" the definition "Main vertical zones" is introduced reading as follows:

"Main vertical zones are those sections into which the hull, superstructure, and deckhouses are divided by "A" class divisions, the mean length and width of which on any deck does not in general exceed 40 m."

2 STRUCTURAL FIRE PROTECTION

2 **Para 2.1.1.4.3** is introduced reading as follows:

".3 on fishing vessels of 24 m in length and over, the total mass of combustible materials per unit area of the space in control stations, accommodation spaces and service spaces, except for saunas and refrigerated storerooms, shall not exceed 45 kg/m²."

3 FIRE-FIGHTING EQUIPMENT AND SYSTEMS

3 **Para 3.2.5.8** is introduced reading as follows:

"**3.2.5.8** On fishing vessels of 24 m in length and over, the fire mains shall have no connections other than those required for fire fighting, except for the purpose of washing the deck and anchor chains and operation of bilge ejectors, subject to the efficiency of the water fire main system being maintained."

4 **Para 3.2.6.2** is replaced by the following text:

"**3.2.6.2** The number and location of fire hydrants shall ensure at least the delivery of two water jets from different hydrants, one of the jets being delivered through a hose of standard length as stipulated under 5.1.4.1, to any area of the ship which is generally accessible to passengers and crew during the voyage and to any part of any cargo space that is empty, ro-ro cargo space and for special-category spaces — to any part of the space through standard length hoses. Besides, such hydrants shall be located near entrance to the protected spaces.

In passenger ships, the number and location of fire hydrants in the accommodation, service and machinery spaces shall be such that the above-mentioned requirement is met when all watertight doors and all doors in bulkheads of main vertical zones are closed.

On open decks for containers, two jets of water shall be delivered onto each accessible vertical side of the container by standard length hoses."

5 **Para 3.6.1** is replaced by the following text:

"3.6.1 The present Rules provide for the use of water drenching system for drenching the racks of magazines (refer to 6.2.2.18 and Table 3.1.2.1), as well as for protection of pressure vessels on ships fitted with fixed diving system (refer to 3.2.2, Part V "Fire Protection" of the Rules for the Classification and Construction of Manned Submersibles and Ship's Diving Systems).".

6 **Para 3.7.1.2** is replaced by the following text:

"3.7.1.2 Use shall be made of foam concentrates of types approved by the Register (refer to 1.3.3.1).

A foam concentrate for generating low expansion foam shall be approved in accordance with the provisions of IMO circular MSC.1/Circ.1312, considering the amendments introduced by MSC.1/Circ.1312/Corr.1.

A foam concentrate for generating medium expansion foam shall be approved in accordance with the provisions of IMO circular MSC/Circ.798.

A foam concentrate for generating high expansion foam shall be approved in accordance with the provisions of IMO circular MSC/Circ.670.

A foam concentrate for generating low expansion and medium expansion foam shall be capable of being used both with fresh water and sea water.".

7 **Para 3.7.2.2** is replaced by the following text:

"3.7.2.2 On oil tankers foam shall be supplied by means of monitors and portable foam generators or air-foam nozzles (refer to 5.1.6 and 5.1.19) to the entire cargo deck area and to any cargo tank whose deck was ruptured. The number and location of the foam main hydrants shall be such as to ensure foam supply to any part of the cargo tanks deck from at least two portable foam generators or air-foam nozzles.

The number of air-foam nozzles shall be sufficient to provide maneuverability during fire fighting and protect areas screened from the monitors.".

8 **Para 3.9.2** is replaced by the following text:

"3.9.2 Fixed water-mist fire extinguishing systems shall be of an approved type complying with the provisions of IMO circular MSC/Circ.1165 "Revised Guidelines for the Approval of Equivalent Water-Based Fire-Extinguishing Systems for Machinery Spaces and Cargo Pump-Rooms", considering the amendments introduced by IMO circulars MSC.1/Circ.1237, MSC.1/Circ.1269, MSC.1/Circ.1385 and MSC.1/Circ.1386.".

5 FIRE-FIGHTING OUTFIT, SPARE PARTS AND TOOLS

9 **Table 5.1.2. Para 2.2 "air-foam nozzles"**. In column 3, the text is replaced by the following:

"Not less than four air-foam nozzles, considering the requirements of 3.7.2.2.".

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

10 **Para 6.4.7** is replaced by the following text:

"6.4.7 The water fire main system and pressure water-spraying system specified in 6.4.6 shall use sea water coming only from the bottom valves.".

11 **Para 6.4.8** is replaced by the following text:

"**6.4.8** Remote starting of fire pumps, fixed fire extinguishing systems designed for protection of machinery space of category A and pressure water-spraying system specified in 6.4.6 shall be provided from navigation bridge."

12 **Table 6.6.3-1. Column "Special systems"**. Text "Water-screen system, drenching system, pressure water-spraying system¹" is replaced by the following:

"Water-screen system, pressure water-spraying system¹".

13 **Para 6.6.4** is replaced by the following text:

"**6.6.4** Special systems installed on board ships for fire-fighting on other objects and for their own protection (water-screen, pressure water-spraying, water fire main, foam fire extinguishing, dry powder systems) shall also comply with the requirements of Section 3 of this Part and Sections 2, 4, 5, Part VIII "Systems and Piping".

Where special systems other than specified in this Section of the Rules are installed, they shall comply with the requirements of the Rules to the extent agreed with the Register in each particular case."

14 **Para 6.6.6.6** is replaced by the following text:

"**6.6.6.6** The ship shall be fitted with water-screen system in combination with the pressure water-spraying system, or pressure water-spraying system with water discharge rate specified in 6.6.7.2, provided they are capable to ensure adequate protection of all the outer surfaces of the ship. In any case, the letters **WS** shall be retained in the class notation."

15 **Para 6.6.7** is replaced by the following text:

"**6.6.7 Pressure water-spraying system.**"

16 **Para 6.6.7.1** is replaced by the following text:

"**6.6.7.1** The pressure water-spraying system in ships having distinguishing marks **FF1WS**, **FF2WS** or **FF3WS** in the class notation shall protect outer vertical surfaces of the hull, superstructures and deckhouses as well as horizontal surfaces of the hull where it is appropriate with regard to 6.6.6.6 and in oil recovery ships — with regard to 6.4.6."

17 **Para 6.6.8.1** is replaced by the following text:

"**6.6.8.1** The system is generally intended for water supply to water monitors, distribution valve manifolds, as well as for supply of water-screen system and pressure water-spraying system. The system may be used for pumping out the water from compartments of a ship in distress (refer to 7.1.10, Part VIII "Systems and Piping").

The requirements for installation of pumps, laying of pipes, water intake arrangements, fittings and tests shall comply with the provisions of the present Part and Part VIII "Systems and Piping", as far as they are applicable and reasonable with regard to the requirements given below."