



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 313-68-1416c

dated 17.07.2020

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2020, ND No. 2-020101-124-E

Item(s) of supervision:

ships under construction

Entry-into-force date:

01.09.2020

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Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Parts VIII "Systems and Piping" and X "Boilers, Heat Exchangers and Pressure Vessels"

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 01.09.2020, in the absence of a contract, the keels of which are laid or which are at a similar stage of construction on or after 01.09.2020.

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

Part VIII: paras 7.9.1, 15.1.8 and 21.2.7

Part X: paras 1.3.1.3, 1.3.3, 1.3.4, 1.3.4.1.1 – 1.3.4.1.9, 1.4.1, 1.4.3, 1.4.9, 14.10, 2.1.7.1 and 2.2.1.5

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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 VIII, para 7.9.1	The requirement has been specified considering correct application of the term "bulk carrier"	313-68-1416c of 17.07.2020	01.09.2020
2	Part VIII, para 15.1.8	The reference has been specified to the requirements for the sea water cooling and lubricating system for stern bearings	313-68-1416c of 17.07.2020	01.09.2020
3	Part VIII, para 21.2.7	The requirements have been specified for hydraulic tests of the pipes	313-68-1416c of 17.07.2020	01.09.2020
4	Part X, para 1.3.1.3	The para has been deleted	313-68-1416c of 17.07.2020	01.09.2020
5	Part X, paras 1.3.3, 1.3.4, 1.3.4.1.1 – 1.3.4.1.9	Para 1.3.3 has been deleted. Existing paras 1.3.4, 1.3.4.1.1 – 1.3.4.1.9 have been renumbered 1.3.3, 1.3.3.1.1 – 1.3.3.1.9, accordingly	313-68-1416c of 17.07.2020	01.09.2020
6	Part X, para 1.4.1	The requirements have been specified to materials of fittings for boilers, heat exchangers and pressure vessels of all classes	313-68-1416c of 17.07.2020	01.09.2020
7	Part X, para 1.4.3	The requirements have been specified to materials of boilers, heat exchangers and pressure vessels	313-68-1416c of 17.07.2020	01.09.2020
8	Part X, paras 1.4.9 and 1.4.10	Para 1.4.9 has been deleted. Existing para 1.4.10 has been renumbered 1.4.9	313-68-1416c of 17.07.2020	01.09.2020
9	Part X, para 2.1.7.1	The requirements have been specified to values of design wall thickness allowance	313-68-1416c of 17.07.2020	01.09.2020
10	Part X, para 2.2.1.5	The requirements have been specified to values of the minimum thicknesses of the walls of tubes	313-68-1416c of 17.07.2020	01.09.2020

**RULES FOR THE CLASSIFICATION AND CONSTRUCTION
OF SEA-GOING SHIPS, 2020,**

ND No. 2-020101-124-E

PART VIII. SYSTEMS AND PIPING

7 BILGE SYSTEM

1 **Para 7.9.1** is replaced by the following text:

"7.9.1 The term "bulk carrier" to be correctly applied for this Section, the provisions of IMO resolution MSC.277(85) shall be met. The present requirements apply to the means for draining and pumping ballast tanks forward of the collision bulkhead, and bilges of dry spaces, any part of which extends forward of the foremost cargo hold, except the enclosed spaces the volume of which does not exceed 0,1 % of the ship maximum displacement volume and the chain lockers.".

15 WATER COOLING SYSTEM

2 **Para 15.1.8** is replaced by the following text:

"15.1.8 A reserve pump with a capacity not less than that of the main pump shall be provided in an independent sea water cooling and lubricating system for stern bearings. Any sea water general purpose pump referred to in 15.1.4 may be used as a reserve pump. Additional requirements to the sea water cooling and lubricating system for stern bearings are given in 5.6, Part VII "Machinery Installations".

21 TESTS

3 **Para 21.2.7.** The first paragraph is replaced by the following text:

"21.2.7 The pipes tested by hydraulic pressure after completion of manufacture in compliance with 21.2.1, all the piping systems (with the exception of steam, feed, boiler blow-off pipes, freon and ammonia) intended to work under pressure up to 5 MPa are allowed to be tested with compressed air instead of testing for tightness (refer to 21.2.3)."

PART X. BOILERS, HEAT EXCHANGERS AND PRESSURE VESSELS

1 GENERAL

4 **Para 1.3.1.3** is deleted.

5 **Para 1.3.3** is deleted. **Paras 1.3.4, 1.3.4.1.1 – 1.3.4.1.9** are renumbered 1.3.3, 1.3.3.1.1 – 1.3.3.1.9, accordingly.

6 **Para 1.4.1** is replaced by the following text:

"1.4.1 Materials for components of boilers, heat exchangers and pressure vessels of Classes I and II are subject to survey by the Register during manufacture.

Materials for components of boilers, heat exchangers and pressure vessels of Classes II and III may be supplied with certificates according to form 3.1 of EN 10204, if the confirmed test results comply with the requirements of the Register Rules. When checking the documents by the Register Surveyor and when the reasonable doubts about the quality of the material used arise, the Register reserves the right to require additional checks on the compliance of the material with the declared properties.

Materials for components of boilers, heat exchangers and pressure vessels of Class III may also be selected in accordance with the international and national standards valid at the time of review of technical documentation and be supplied with documents of the manufacturer. In this case, the use of materials is subject to agreement with the Register during review of the technical documentation.

Materials for fittings of boilers, heat exchangers and pressure vessels of all classes may be selected in accordance with the international and national standards valid at the time of review of technical documentation and be supplied with documents of the manufacturer."

7 **Para 1.4.3** is replaced by the following text:

"1.4.3 For heat exchangers and pressure vessels with design medium temperatures below 250 °C, hull structural steel may be used according to the requirements of 3.2, Part XIII "Materials".

For some components of heat exchangers and pressure vessels with working pressures below 0,7 MPa and design medium temperatures below 120 °C semi-killed steel may be used."

8 **Para 1.4.9** is deleted. The **existing para 1.4.10** is renumbered 1.4.9.

2 STRENGTH CALCULATIONS

9 **Para 2.1.7.1** is replaced by the following text:

"2.1.7.1 In all cases where the design wall thickness allowance c is not expressly specified, it shall be taken as equal to at least 1 mm. For steel walls over 30 mm in thickness, walls manufactured from corrosion-resistant or having protective coating non-ferrous or high alloy materials, design wall thickness allowance may be reduced to zero."

10 **Para 2.2.1.5** is replaced by the following text:

"2.2.1.5 The minimum thicknesses of the walls of tubes of non-ferrous alloys and stainless steels may be taken less than those specified in 2.2.1.4, but not less than determined by Formulae (2.2.1.2-1), (2.2.1.2-2), (2.2.1.3-1) and (2.2.1.3-2)."