



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 311-05-1938c

dated 23.05.2023

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2023, ND No. 2-020101-174-E

Item(s) of supervision:

ships under construction

Entry-into-force date:

01.07.2023

~~Cancels / amends / adds Circular Letter No.~~

~~dated~~

Number of pages: 1 + 3

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part VIII "Systems and Piping"

Acting Director General

Andrey V. Fasolko

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 01.07.2023, in the absence of a contract, during review and approval of the technical documentation on ships requested for review on or after 01.07.2023.
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List of the amended and/or introduced paras/chapters/sections:

Part VIII: paras 9.1.4, 11.1.11, 11.2.1, 12.1.12, 12.1.13, 12.10.5, 13.8.5, 20.6.2 and 20.6.5

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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 9.1.4	New para 9.1.4 has been introduced containing definition "Cargo area" according to SOLAS regulation II-2/3.6	311-05-1938c of 23.05.2023	01.07.2023
2	Part VIII, para 11.1.11	Requirements have been specified for structure of exhaust gas pipes	311-05-1938c of 23.05.2023	01.07.2023
3	Part VIII, para 11.2.1	Requirements have been specified for outfitting of silencers and spark arresters	311-05-1938c of 23.05.2023	01.07.2023
4	Part VIII, paras 12.1.12.2 and 12.1.12.3	Requirements have been specified for fire insulation of ventilation duct considering implementation of IMO circular MSC.1/Circ.1655	311-05-1938c of 23.05.2023	01.07.2023
5	Part VIII, para 12.1.13	Requirements have been specified for fire insulation of ventilation duct considering implementation of IMO circular MSC.1/Circ.1655	311-05-1938c of 23.05.2023	01.07.2023
6	Part VIII, para 12.10.5	Formula has been specified for calculating rate of air flow for ventilation of accumulator battery room	311-05-1938c of 23.05.2023	01.07.2023
7	Part VIII, para 13.8.5	Reference has been specified	311-05-1938c of 23.05.2023	01.07.2023
8	Part VIII, para 20.6.2	Requirements have been specified for application of instrumentation and valves for instrumentation	311-05-1938c of 23.05.2023	01.07.2023
9	Part VIII, para 20.6.5	Requirements have been specified for application of instrumentation and valves for instrumentation	311-05-1938c of 23.05.2023	01.07.2023

RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2023,

ND No. 2-020101-174-E

PART VIII. SYSTEMS AND PIPING

9 SYSTEMS SPECIAL FOR CARRIAGE OF CARGOES IN BULK

- 1 **New para 9.1.4** is introduced reading as follows:

"9.1.4 For the purposes of this Section, the following definition is adopted.

Cargo area is that part of the ship that contains cargo holds, cargo tanks, slop tanks and cargo pump-rooms including pump-rooms, cofferdams, ballast and void spaces adjacent to cargo tanks and also deck areas throughout the entire length and breadth of the part of the ship over the above-mentioned spaces."

11 EXHAUST GAS SYSTEM

- 2 **Para 11.1.11** is replaced by the following text:

"11.1.11 The exhaust gas pipes of engines, boilers and incinerators shall be fitted with thermal compensators. The structure of the exhaust gas pipes shall be so as to provide their cleaning and, where necessary, drain cocks."

- 3 **Para 11.2.1** is replaced by the following text:

"11.2.1 The silencers and spark arresters shall be so arranged as to provide their cleaning and, where necessary, shall be fitted with appropriate handholes, drain cocks or plugs."

12 VENTILATION SYSTEM

- 4 **Paras 12.1.12.2 and 12.1.12.3** are replaced by the following text:

".2 where ventilation ducts with a free cross-sectional area exceeding 0,02 m², but not more than 0,075 m², pass through "A" class divisions, the openings shall be lined with steel sheet sleeves. The ducts and sleeves shall have a thickness of at least 3 mm and a length of at least 900 mm. When passing through bulkheads, this length shall be divided preferably into 450 mm on each side of the bulkhead. These ducts, or sleeves lining such ducts, shall be provided with fire insulation. The insulation shall have at least the same fire integrity as the division through which the duct passes. The fire insulation shall be provided only to the part of the duct and sleeve that is on the same side of the division being fire insulated, and be extended for a minimum of 450 mm along the duct;

.3 automatic fire dampers shall be fitted in all ducts with a free cross-sectional area exceeding 0,075 m² that pass through "A" class divisions. Each damper shall be fitted close to the division penetrated and the duct between the damper and the division penetrated shall be constructed of steel in accordance with 12.1.12.1 and have the same fire integrity as the bulkhead or deck through which the duct passes. The fire damper shall operate automatically, but shall also be capable of being closed manually from both sides of the division. The damper

shall be fitted with a visible indicator which shows the operating position of the damper. Fire dampers are not required, however, where ducts pass through spaces surrounded by "A" class divisions, without serving those spaces, provided those ducts have the same fire integrity as the divisions which they penetrate. A duct of cross-sectional area exceeding 0,075 m² shall not be divided into smaller ducts at the penetration of an "A" class division and then recombined into the original duct once through the division to avoid installing the damper required by this provision."

5 **Para 12.1.3** is replaced by the following text:

"12.1.13 When ventilation ducts pass through "B" class divisions, no clearance shall be allowed between the duct penetrating the bulkhead, and the bulkhead. Ventilation ducts shall be lined with steel sheet sleeves with thickness not less than 1,8 mm and of 900 mm in length for pipes with cross-sectional area less than 0,02 m², and of 900 mm in length for pipes with larger diameter, divided preferably into two parts unless the duct is of steel for this length."

6 **Para 12.10.5** is replaced by the following text:

"12.10.5 The rate of air flow Q , in m³/s, for the ventilation of an accumulator battery room or box shall not be less than that determined by the formula

$$Q = 3,06 \cdot 10^{-5} I n f \quad (12.10.5)$$

where I = maximum charging current during gas emission, but not less than 0,25 of maximum current of the charging device, A;

n = number of battery cells.

f = coefficient considering a type of battery:

$f = 1$ for vented accumulator batteries;

$f = 0,25$ for valve regulated accumulator batteries."

13 FUEL OIL SYSTEM

7 **Para 13.8.5.** The reference to para 19.1.2.1 is replaced by the reference to para 20.1.2.1.

20 THERMAL LIQUID SYSTEM

8 **Para 20.6.2** is replaced by the following text:

"20.6.2 Bellows-type valves shall be used in piping containing the pressure thermal liquid. Non-bellows-type valves for instrumentation may be used, provided bellows-type valves are installed before them."

9 **Para 20.6.5** is replaced by the following text:

"20.6.5 Threaded connections shall not be used for thermal liquid pipelines. Instrumentation and valves with threaded connections for instrumentation may be used, when provision is made for isolating the instrumentation line by bellows-type valves."