



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-22-1771c

dated 23.05.2022

Re:

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

Item(s) of supervision:

cables

Entry-into-force date:

01.07.2022

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

~~dated~~

Number of pages: 1 + 2

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part XI "Electrical Equipment"

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 01.07.2022, in the absence of a contract, during review and approval of the technical documentation on ships requested for review on or after 01.07.2022.
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List of the amended and/or introduced paras/chapters/sections:

Part XI: paras 2.2.2.9, 15.4.2 and 16.8.4.19

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"Thesis" System No. 22-84403

**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 2.2.2.9	Requirement for cable laying have been specified	315-22-1771c of 23.05.2022	01.07.2022
2	Para 15.4.2	Requirements for heating capacity of system utilizing heating cables have been specified	315-22-1771c of 23.05.2022	01.07.2022
3	Para 16.8.4.19	Requirements for cables laid on the open deck of the ship and masts have been specified	315-22-1771c of 23.05.2022	01.07.2022

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

ND No. 2-020101-152-E

PART XI. ELECTRICAL EQUIPMENT

2 GENERAL REQUIREMENTS

1 **Para 2.2.2.9** is replaced by the following text:

"2.2.2.9 Cable of the same group may be laid in the same cable run provided interference-sensitive equipment is not influenced by the difference in the levels of signals conveyed. Where cable lengths laid in parallel are in excess of 1 m, the cables (cable runs) of different groups shall be laid at least 0,1 m apart and their intersections shall be effected at right angles. The radar installation and echo sounder cables mentioned in 2.2.2.8.5 shall either be double-screened or, if they are coaxial, laid inside a metal pipe. The outer screen shall be earthed, as well as the principal screen of the cable.

Where meeting the requirements for separate installation is not possible, cables of high degree of screening shall be used or cables shall be laid inside metal pipes or conduits.

Where the requirements of the equipment manufacturer regarding installation of cables connected to this equipment are available, these cables shall be laid in compliance with the requirements of the equipment manufacturer."

15 ELECTRICAL COOKING AND HEATING APPLIANCES

2 **Para 15.4.2** is replaced by the following text:

"15.4.2 Heating capacity of such systems shall not be less than:
300 W/m² for the spaces of open decks, helidecks, ladders and gangways;
200 W/m² for superstructures;
50 W/m for guard rails with internal heating.

Lower values of heating capacity may be selected when confirmed as sufficient by calculations performed in compliance with IEC 62395-2:2013 or equivalent national standards."

16 CABLES AND WIRES

3 **Para 16.8.4.19** is replaced by the following text:

"16.8.4.19 Cable laid on the open deck of the ship and masts shall be resistant to sun radiation or protected against direct exposure to sun radiation."