



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-05-1494c

dated 29.12.2020

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships considering the experience of technical supervision

Item(s) of supervision:

electrical equipment

Entry-into-force date:

01.02.2021

Valid till:-

Validity period extended till:-

Cancels / amends / adds Circular Letter No. -

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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"

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.

Director General

Konstantin G. Palnikov

It is necessary to do the following:

1. Bring the content of the Circular Letter to the notice of the RS surveyors, as well as 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 technical documentation on ships from the entry-into-force date of amendments.
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List of the amended and/or introduced paras/chapters/sections:

Part XI: Table 2.1.1.1, paras 4.2.2 and 6.4.1

Person in charge: Mikhail A. Iukhnev 315

+7 (812) 605-05-17

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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	Table 2.1.1.1	Requirements for rated working temperatures for electrical equipment have been specified	315-05-1494c of 29.12.2020	01.02.2021
2	Para 4.2.2	Requirements for permissible voltages across the terminals of direct current power sources have been specified	315-05-1494c of 29.12.2020	01.02.2021
3	Para 6.4.1	Requirements for switches in lighting circuits have been specified	315-05-1494c of 29.12.2020	01.02.2021

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

ND No. 2-020101-124-E

PART XI. ELECTRICAL EQUIPMENT

2 GENERAL REQUIREMENTS

1 **Table 2.1.1.1** is replaced by the following text:

"Table 2.1.1.1

Nos	Location of equipment	Ambient air and cooling water temperature, °C			
		Unrestricted service		Navigation outside the tropical zone	
		Air	Water	Air	Water
1	Machinery and special electrical spaces, galleys	+45 ... +5	+32	+40 ... +5	+25
2	Weather decks	+45 ... -25	–	+40 ... -25	–
3	Other spaces	+40 ... +5	–	+40 ... +5	–

Note . Electronic elements and devices designed for mounting in the switchboards, panels or casings shall be capable of reliable performance at an ambient air temperature up to 55 °C. Temperature up to 70 °C shall not lead to failure of the elements, devices and systems.

4 DISTRIBUTION OF ELECTRICAL POWER

2 **Para 4.2.2** is replaced by the following text:

"4.2.2 Permissible voltage across the terminals of sources of electrical power for direct current shall not exceed the values below:

1500 V for systems with electrical power distribution for direct current complying with the requirements of Section 22;

500 V for other power systems;

250 V lighting and heating systems, and socket outlets."

6 LIGHTING

3 **Para 6.4.1** is replaced by the following text:

"6.4.1 If in accordance with the requirements of these Rules switches shall be installed, two-pole switches shall be used.

In dry accommodation and service spaces it is allowed to use single-pole switches in circuits disconnecting individual lighting fixtures or groups of lighting fixtures rated at not more than 6 A and also in lighting fixture circuits designed for safety voltage."