



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-07-1268c

dated 03.10.2019

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2019, ND No. 2-020101-114-E

Item(s) of supervision:

automation equipment

Entry-into-force date:

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Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part XV "Automation"

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 based on the experience of technical supervision as specified in the Appendices to the Circular Letter.

Provisions of the Circular Letter apply to ships contracted for construction on or after the date of the Circular Letter publication (entry-into-force date).

Provisions of the Circular Letter do not apply to ships, the plan approval documentation for which is already under consideration, and ships contracted for construction prior the date of the Circular Letter publication (entry-into-force date).

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 provisions of the Circular Letter.
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List of the amended and/or introduced paras/chapters/sections:

paras 2.4.1.4, 2.4.1.11, Table 4.7.4

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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	Para 2.4.1.4	List of spaces where light columns are required has been specified	315-07-1268c of 03.10.2019	03.10.2019
2	Para 2.4.1.11	List of equipment for which visual and audible alarms shall be provided has been supplemented considering the requirements of Part XI "Electrical Equipment"	315-07-1268c of 03.10.2019	03.10.2019
3	Table 4.7.4	Requirements regarding alarm for high water level in bilge wells have been specified	315-07-1268c of 03.10.2019	03.10.2019

RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2019,

ND No. 2-020101-114-E

PART XV. AUTOMATION

2 DESIGN OF AUTOMATION SYSTEMS, AUTOMATION COMPONENTS AND CONTROL DEVICES

2.4 ALARM AND MONITORING, SAFETY, INDICATION AND LOGGING SYSTEMS

1 **Para 2.4.1.4** is replaced by the following text:

"**2.4.1.4** The alarm and monitoring system with its central information panels usually arranged in the main machinery control room shall structurally include the group alarm subsystem, which blocks shall be located:

in spaces between the watertight boundaries, containing main and auxiliary machinery, including boilers, generators and electric propulsion motors (light columns);
on the navigation bridge (in the wheelhouse);
in service and public spaces of a ship;
in accommodation spaces of the responsible personnel.

The switching-off of an audible alarm signal on the group alarm blocks (e.g. on the navigation bridge or in accommodation spaces) shall not cause its switching-off in the main machinery control room."

2 **Para 2.4.1.11** is replaced by the following text:

"Irrespective of the extent of automation and the monitoring order used for the machinery, the alarm and monitoring system shall give warning signals at:

.1 parameters reaching predetermined limit values;
.2 operation of safety devices;
.3 power failure in the circuits of particular automation systems or start of emergency power sources;
.4 deviation from predetermined values of other parameters or operating conditions as regulated by this Part.

Alarms for machinery faults shall be provided on the panels, from which the machinery is remotely controlled.

In addition to the monitored parameters listed in Sections 4 and 6, visual and audible alarm shall be provided for the following equipment:

.1 steering gear in accordance with 5.5.11 and 5.5.13, Part XI "Electrical Equipment";
.2 emergency diesel-generators in accordance with 9.6, Part XI "Electrical Equipment";
.3 electric propulsion motors in accordance with 17.12, Part XI "Electrical Equipment";
.4 podded azimuth thruster drives and steerable propeller drives in accordance with 17.13, Part XI "Electrical Equipment";
.5 electric propulsion plants control systems in accordance with 17.14, Part XI "Electrical Equipment".

4 SHIPS WITH AUT1 IN CLASS NOTATION

4.7 AUTOMATED BILGE PUMPING OF MACHINERY SPACES

3 **Table 4.7.4.** Symbol for high water level alarm in bilge wells is supplemented with Footnote 1.