



# RUSSIAN MARITIME REGISTER OF SHIPPING

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**CIRCULAR LETTER**

**No. 315-07-1457c**

dated 03.11.2020

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Re:

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

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Item(s) of supervision:

automation equipment

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Entry-into-force date:

**30.11.2020**

Valid till: -

Validity period extended till: -

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Cancels / amends / adds Circular Letter No. -

dated -

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Number of pages:

1+2

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Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

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

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Director General

Konstantin G. Palnikov

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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.

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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 to the equipment:  
requested for technical supervision during manufacture on or after 30.11.2020; or  
installed on board the ships contracted for construction or conversion on or after 30.11.2020, in the absence of a contract — on board the ships, the keels of which are laid, or which are at a similar stage of construction on or after 30.11.2020.
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List of the amended and/or introduced paras/chapters/sections:

Part XV: paras 2.4.1.11, 2.4.1.18, 4.10.1 and 4.10.2

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Person in charge: Andrey V. Vinogradov 315

+7 812 6050517

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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 2.4.1.11	List of equipment for which visual and audible alarm shall be provided has been deleted from the para	315-07-1457c of 03.11.2020	30.11.2020
2	Para 2.4.1.18	New para containing the list of equipment for which visual and audible alarm shall be provided has been introduced taking into account requirements of Part IX "Machinery" and Part XI "Electrical Equipment"	315-07-1457c of 03.11.2020	30.11.2020
3	Para 4.10.1	Requirements for location of alarms and indicators for main machinery have been specified	315-07-1457c of 03.11.2020	30.11.2020
4	Para 4.10.2	Requirements for location of controls, alarms and indicators for auxiliaries have been specified	315-07-1457c of 03.11.2020	30.11.2020

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

### **ND No. 2-020101-124-E**

#### **PART XV. AUTOMATION**

##### **2 DESIGN OF AUTOMATION SYSTEMS, AUTOMATION COMPONENTS AND CONTROL DEVICES**

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

"**2.4.1.11** 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."

2 **New para 2.4.1.18** is introduced reading as follows:

"**2.4.1.18** In addition to the monitored parameters listed in Sections 4 — 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 uninterruptible power systems (UPS) in accordance with 9.7, Part XI "Electrical Equipment";
- .4 electric propulsion motors in accordance with 17.12, Part XI "Electrical Equipment";
- .5 podded azimuth thruster drives and steerable propeller drives in accordance with 17.13, Part XI "Electrical Equipment";
- .6 electric propulsion plants control systems in accordance with 17.14, Part XI "Electrical Equipment";
- .7 control systems for gas internal combustion engines in accordance with 9.9 and 9.12, Part IX "Machinery".

##### **4 SHIPS WITH AUT1 IN CLASS NOTATION**

3 **Para 4.10.1** is replaced by the following text:

"**4.10.1** Provision shall be made in the vicinity of the local control station of the main machinery for alarms and indicators of parameters as required by 4.2."

4 **Para 4.10.2** is replaced by the following text:

"**4.10.2** The controls of auxiliaries (pumps, separators, boiler plants, generator prime movers) and alarms and indicators of parameters as required by 4.3 — 4.8 are recommended to be installed in close proximity to the local control station of the main machinery."