

CIRCULAR LETTER	No. 315-07-1634c	dated	l 29.09.2021
Re: amendments to the Rules for ND No. 2-020101-138-E	the Classification and	Construction of	Sea-Going Ships, 2021,
Item(s) of supervision: automation equipment			
Entry-into-force date: 01.10.2021			
Cancels / amends / adds Circular L	.etter No		dated -
Number of pages: 1 + 2			
Appendices: Appendix 1: information on amender Appendix 2: text of amendments to	•	Circular Letter	
Director General	Konstantin G. P	alnikov	
Text of CL: We hereby inform that the Rules amended as specified in the Apper			Sea-Going Ships shall be
<ul> <li>It is necessary to do the following:</li> <li>1. Bring the content of the Circula and persons in the area of the R</li> <li>2. Apply the provisions of the Circu requested for technical supervisi installed on board the ships of the absence of a contract — on</li> </ul>	S Branch Offices' activity lar Letter to the equipment on during manufacture of ontracted for construction	nt: n or after 01.10.202 on or conversion o	21; or on or after 01.10.2021, in

List of the amended and/or introduced paras/chapters/sections: Part XV: paras 2.4.1.2, 2.4.1.18 and 2.4.2.3

Person in charge: Andrey V. Vinogradov 315 "Thesis" System No. 21-204691

stage of construction on or after 01.10.2021.

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Information on amendments introduced by the Circular Letter	
(for inclusion in the Revision History to the RS Publication)	
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Nos.	Amended paras/chapters/ sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
1	Para 2.4.1.2	Requirements for usage of signals in alarm and monitoring systems have been specified	315-07-1634c of 29.09.2021	01.10.2021
2	Para 2.4.1.18	List of equipment for which visual and audible alarm shall be provided has been supplemented with active means of the ship's steering	315-07-1634c of 29.09.2021	01.10.2021
3	Para 2.4.2.3	Requirements for usage of signals in safety systems have been specified	315-07-1634c of 29.09.2021	01.10.2021

## RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2021,

## ND No. 2-020101-138-E

## PART XV. AUTOMATION

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

1 **Para 2.4.1.2** is replaced by the following text:

**"2.4.1.2** Provision shall be made for the self-monitoring of the alarm and monitoring system; the alarm signal shall be applied in the case of at least such typical faults as short-circuits, line wire break and earth fault, and the failure of the power supply.

If discrete signals are utilised in alarm and monitoring systems, normally closed loops shall be used.".

2 **Para 2.4.1.18** is replaced by the following text:

**"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".

.8 active means of the ship's steering in accordance with 7.3, Part VII "Machinery Installations".".

3 **Para 2.4.2.3** is replaced by the following text:

**"2.4.2.3** Provision shall be made for the self-monitoring of the safety systems: at least at such faults as short-circuit, line wire break and earth fault an alarm signal shall be activated.

If discrete signals are utilised in safety systems of essential equipment and machinery, normally open circuits with loop monitoring shall be used.".