CIRCULAR LETTER  No. 315-07-1634c  dated 29.09.2021

Re: amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2021, ND No. 2-020101-138-E

Item(s) of supervision:
automation equipment

Entry-into-force date:
01.10.2021

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 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 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 to the equipment:
   requested for technical supervision during manufacture on or after 01.10.2021; or
   installed on board the ships contracted for construction or conversion on or after 01.10.2021, 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 01.10.2021.

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

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"Thesis" System No. 21-204691
**Information on amendments introduced by the Circular Letter**  
(for inclusion in the Revision History to the RS Publication)

<table>
<thead>
<tr>
<th>Nos.</th>
<th>Amended paras/chapters/sections</th>
<th>Information on amendments</th>
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<tr>
<td>1</td>
<td>Para 2.4.1.2</td>
<td>Requirements for usage of signals in alarm and monitoring systems have been specified</td>
<td>315-07-1634c of 29.09.2021</td>
<td>01.10.2021</td>
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<td>2</td>
<td>Para 2.4.1.18</td>
<td>List of equipment for which visual and audible alarm shall be provided has been supplemented with active means of the ship's steering</td>
<td>315-07-1634c of 29.09.2021</td>
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<td>3</td>
<td>Para 2.4.2.3</td>
<td>Requirements for usage of signals in safety systems have been specified</td>
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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.".