CIRCULAR LETTER
No. 315-23-1599c dated 08.07.2021

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:
electrical machines, electrical equipment of fishing and processing machinery

Entry-into-force date¹:
01.09.2021

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 XI "Electrical Equipment"

Acting Director General Sergey A. Kulikov

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, 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 of technical supervision on ships contracted for construction or conversion on or after 01.09.2021, in the absence of a contract, on ships, the keels of which are laid or which are at a similar stage of construction on or after 01.09.2021.

List of the amended and/or introduced paras/chapters/sections:
Part XI: paras 8.2.6, 10.5.1, 17.7.1.6 and 19.10.2 — 19.10.8

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"Thesis" System No. 21-157680

¹ Service remarks (delete as appropriate): contains / does not contain mandatory international/national requirements / urgent implementation is required.
# 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>
<th>Number and date of the Circular Letter</th>
<th>Entry-into-force date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Para 8.2.6</td>
<td>Requirements for protection of generators have been specified considering IEC 60092-2</td>
<td>315-23-1599c of 08.07.2021</td>
<td>01.09.2021</td>
</tr>
<tr>
<td>2</td>
<td>Para 10.5.1</td>
<td>Requirements for overcurrent of generators have been specified considering IEC 60034-1</td>
<td>315-23-1599c of 08.07.2021</td>
<td>01.09.2021</td>
</tr>
<tr>
<td>3</td>
<td>Para 17.7.1.6</td>
<td>Requirements for protection of generators of electric propulsion plants have been specified</td>
<td>315-23-1599c of 08.07.2021</td>
<td>01.09.2021</td>
</tr>
<tr>
<td>4</td>
<td>Para 19.10.2</td>
<td>Para has been deleted; existing paras 19.10.3 — 19.10.8 and references thereto have been renumbered 19.10.2 — 19.10.7 accordingly.</td>
<td>315-23-1599c of 08.07.2021</td>
<td>01.09.2021</td>
</tr>
</tbody>
</table>
RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2021,  
ND No. 2-020101-138-E

PART XI. ELECTRICAL EQUIPMENT

8 PROTECTIVE DEVICES

1 Para 8.2.6 is replaced by the following text:

"8.2.6 Generators with the ratings of 1500 kVA and above shall be equipped with protective device or protective system, which shall open the circuit-breaker and shut down the generator in the event of a short circuit in the generator or in the supplying cable between the generator and its circuit-breaker. This requirement shall not apply to emergency generators."

10 ELECTRICAL MACHINES

2 Para 10.5.1 is replaced by the following text:

"10.5.1 Generators shall be so designed that after reaching the steady-state temperature corresponding to the rated load they shall be capable of sustaining overcurrent as specified in Table 10.5.1.

Table 10.5.1

<table>
<thead>
<tr>
<th>Type of generator</th>
<th>Overcurrent, %</th>
<th>Duration of overload, s</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.c. with ratings not more than 1200 kVA</td>
<td>50</td>
<td>30</td>
</tr>
<tr>
<td>A.c. with ratings more than 1200 kVA</td>
<td>50</td>
<td>15</td>
</tr>
<tr>
<td>D.c.</td>
<td>50</td>
<td>15</td>
</tr>
</tbody>
</table>

17 ELECTRIC PROPULSION PLANTS

3 Para 17.7.1.6 is replaced by the following text:

"17.7.1.6 Means of protection of generators shall comply with the requirements specified in 8.2."

19 REQUIREMENTS FOR ELECTRICAL EQUIPMENT PROCEEDING FROM SHIP PURPOSE

4 Para 19.10.2 is deleted. Existing paras 19.10.3 — 19.10.8 and references thereto are renumbered 19.10.2 — 19.10.7 accordingly.