



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-22-1896c

dated 15.02.2023

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2023, ND No. 2-020101-174-E

Item(s) of supervision:

protective devices of generators

Entry-into-force date:

15.03.2023

~~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 and approval of the technical documentation on ships contracted for construction or conversion on or after 15.03.2023, in the absence of a contract, during review and approval of the technical documentation on ships requested for review on or after 15.03.2023.
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List of the amended and/or introduced paras/chapters/sections:

Part XI: para 8.2.2

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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 8.2.2	Requirements for time delay for generator overload have been specified	315-22-1896c of 15.02.2023	15.03.2023

RULES FOR CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2023,

ND No. 2-020101-174-E

PART XI. ELECTRICAL EQUIPMENT

8 PROTECTIVE DEVICES

Para 8.2.2 is replaced by the following text:

"8.2.2 Generators intended for parallel operation shall be provided at least with the following means of protection:

- .1** against overloads;
- .2** against short circuits;
- .3** against reverse current or reverse power;
- .4** against under voltage.

It is necessary that the devices used for generator overload protection shall be provided with light and sound alarms to operate with a time delay of up to 15 min at the loads from 100 to 110 % of the rated current, and shall be capable of disconnecting the generator under protection after a time delay to suit the generator thermal time constant at the loads from 110 to 150 % of the rated current.

It is necessary that for a setting of the protection to operate at 150 % of the rated generator current the time delay shall not exceed 30 s for an alternating-current generator and 15 s for a direct-current generator. An overload exceeding 150 % of the rated current may be allowed where it is required by operating conditions and is admitted by the generator construction.

Overload protection settings and time delay shall be selected to suit the overload characteristics of the generator prime mover so that the prime mover is capable of developing the necessary output within the time delay period adopted. The protective devices used for generator overload protection shall not prevent the possibility of re-starting the generator immediately."