



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-12-1600c

dated 09.07.2021

Re:

amendments to the Rules for the Equipment of Sea-Going Ships, 2021, ND No. 2-020101-144-E

Item(s) of supervision:

ships and offshore installations under construction

Entry-into-force date¹:

01.08.2021

Cancels / amends / adds Circular Letter No.

dated

Number of pages: 1 + 3

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part V "Navigational 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, 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 01.08.2021, in the absence of a contract, the keels of which are laid or which are at a similar stage of construction on or after 01.08.2021, as well as during review and approval of the technical documentation on ships, the delivery of which is on or after 01.08.2021. The introduced amendments may be applied to ships in service upon agreement with RHO.
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List of the amended and/or introduced paras/chapters/sections:

paras 1.3.4, 2.2.1, 3.2.23.5, 3.6.1, 3.7.3.5, 3.7.4.12, 3.7.7.1, 4.4.4; para 7.1 of Appendix 5

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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)**

Nos.	Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
1	Para 1.3.4	The para has been harmonized with the requirements of the appropriate parts of the RS rules	315-12-1600c of 09.07.2021	01.08.2021
2	Para 2.2.1	Part I has been renamed	315-12-1600c of 09.07.2021	01.08.2021
3	Para 3.2.23.5	The requirements have been specified for the bridge navigational watch alarm system (BNWAS)	315-12-1600c of 09.07.2021	01.08.2021
4	Para 3.6.1	The requirements have been specified for the log trunk and/or echo sounder trunk considering experience in the technical supervision	315-12-1600c of 09.07.2021	01.08.2021
5	Para 3.7.3.5	The requirements have been deleted for ice protection of the Doppler log bottoms considering experience in the technical supervision	315-12-1600c of 09.07.2021	01.08.2021
6	Para 3.7.4.12	The requirements have been deleted for ice protection of the echo sounder bottoms considering experience in the technical supervision	315-12-1600c of 09.07.2021	01.08.2021
7	Para 3.7.7.1	The para has been harmonized with the requirements of IMO resolution MSC.128(75)	315-12-1600c of 09.07.2021	01.08.2021
8	Para 4.4.4	The requirements have been specified for the GNSS receiver antennas considering experience in the technical supervision and recommendations of the equipment manufacturers	315-12-1600c of 09.07.2021	01.08.2021
9	Appendix 5, para 7.1	The requirement has been deleted for drawing up a Report in form 6.3.10	315-12-1600c of 09.07.2021	01.08.2021

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

ND No. 2-020101-144-E

PART IV. NAVIGATIONAL EQUIPMENT

1 GENERAL

1 **Para 1.3.4** is replaced with the following text:

"1.3.4 The technical documentation for navigational equipment submitted to the Register for review shall contain (where applicable) the following information:

- .1 technical description;
- .2 block diagram;
- .3 general view drawing;
- .4 operation manual;
- .5 installation manual;
- .6 list of spare parts.

Together with the technical documentation the records of the tests performed as well as the available certificates may be submitted. Depending on a type of the radio equipment, the Register may require the additional technical documentation to be submitted. Upon review of the technical documentation submitted, the applicant shall agree and submit for approval the test program."

2 NAVIGATIONAL EQUIPMENT OF SELF-PROPELLED SEA-GOING SHIPS

2 **Para 2.2.1.** The last paragraph is replaced with the following text:

"The definitions of the areas of navigation are given in 1.2, Part I "General"."

3 SPACES INTENDED FOR INSTALLATION OF NAVIGATIONAL EQUIPMENT. ARRANGEMENT OF NAVIGATIONAL EQUIPMENT AND CABLING

3 **Para 3.2.23.5** is replaced with the following text:

"3.2.23.5 The bridge navigational watch alarm system (BNWAS) meeting the requirements of 5.22 shall be provided on the navigation bridge of the **OMBO** ship."

4 **Para 3.6.1** is replaced with the following text:

"3.6.1 The log trunk and/or echo sounder trunk shall comply with the following basic requirements:

- .1 the size of the trunk shall be sufficient to allow the access to the converters;
- .2 the trunk shall be closed by a sliding door or have the manhole provided with a cover tightened with folding bolts;
- .3 for the purpose of descent, the trunk shall be provided with an ordinary or spar ladder;
- .4 the trunk shall be tested for tightness in compliance with the requirements of Appendix I "Testing Procedures of Watertight Compartments" to Part II "Hull" of the Rules for the Classification and Construction of Sea-Going Ships;

.5 it shall be possible to detect water in the trunk (by the test cock, sounding pipe, water sensor, etc.).".

5 **Para 3.7.3.5** is replaced with the following text:

"**3.7.3.5** Fixed electromagnetic transducers in the openings cut in the ship's bottom shall be adequately secured in the appropriate welded boxes being equivalent in strength to the ship's hull.".

6 **Para 3.7.4.12** is replaced with the following text:

"**3.7.4.12** In no case shall the emitting surface of the vibrators be painted or subjected to any mechanical effects (shocks, hard friction, etc.).".

7 **Para 3.7.7.1** is replaced with the following text:

"**3.7.7.1** Means of activating the reset function should only be available in positions on the bridge giving proper look out and preferably adjacent to visual indications. Means of activating the reset function should be easily accessible from the conning position, the workstation for navigating and manoeuvring, the workstation for monitoring and the bridge wings. ".

4 AERIALS AND EARTHING

8 **Para 4.4.4** is replaced with the following text:

"**4.4.4** The GNSS receiver antennas shall not be installed along the axis of the main lobe of the radar antenna direction diagram.".

APPENDIX 5

RECOMMENDATIONS ON THE INSTALLATION OF A SHIPBORNE AUTOMATIC IDENTIFICATION SYSTEM (AIS)

9 **Para 7.1** is replaced with the following text:

"**7.1** After completion of installation and adjustment work, acceptance and sea trials shall be carried out where all the AIS equipment shall be checked in real operational conditions, including operability of signal converters, connected sensors and information users.

In case of satisfactory results of trials witnessed by a Register representative, use of the AIS is allowed as part of shipborne navigational equipment required by SOLAS-74 Chapter V, and the AIS is included in ship's documents (Record of Equipment for the Cargo Ship Safety Equipment Certificate or the Passenger Ship Safety Certificate (forms E, P)).".