RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER	**No. 312-11-1682c**	dated 20.12.2021

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2021, ND No. 2-020101-138-E considering experience in application of the Rules and the experience of technical supervision

Item(s) of supervision:

ships under construction, technical documentation

Entry-into-force date:
refer to Appendix 1

~~Cancels /~~ amends ~~/ adds Circular Letter No.~~	**312-11-1679c**	14.12.2021

Number of pages: 1+3

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part I "Classification" and Part VII "Machinery Installations"

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 during review and approval of the technical documentation on ships contracted for construction or conversion on or after 14.01.2022, in the absence of a contract, on ships, for which technical documentation is submitted for consideration on or after 14.01.2022, unless otherwise stated in the Appendix 1.

List of the amended and/or introduced paras/chapters/sections:

Part I: Table 2.2.3.3.2, paras 3.2.16 and 3.3.16

Part VII: para 2.1.17

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Appendix 1 to Circular Letter
No. 312-11-1682c dated 20.12.2021

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	Part I, Table 2.2.3.3.2	Description of ice classes **Arc4 — Arc9** has been amended based on the experience in application of the Rules. Notes to the Table have been amended	312-11-1682c of 20.12.2021	14.01.2022
2	Part I, para 3.2.16	Requirements for the documentation forming part of the plan approval documentation for supply vessels carrying manned submersibles or ship's diving systems (vessels having distinguishing marks **SDS** or **MS** in the class notation)	312-11-1682c of 20.12.2021	01.01.2022
3	Part I, para 3.3.16	Requirements for the documentation forming part of the technical design documentation for supply vessels carrying manned submersibles or ship's diving systems (vessels having distinguishing marks **SDS** or **MS** in the class notation)	312-11-1682c of 20.12.2021	01.01.2022
4	Part VII, para 2.1.17	Area of the requirement application has been amended	312-11-1682c of 20.12.2021	14.01.2022

Appendix 2 to Circular Letter
No. 312-11-1682c dated 20.12.2021

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

ND No. 2-020101-138-E

PART I. CLASSIFICATION

2 CLASS OF A SHIP

1 **Table 2.2.3.3.2** is replaced by the following text:

"Table 2.2.3.3.2

Ice class	Description
Arc9	Year-round operation in all areas of the oceans
Arc8	In summer/autumn navigation — voyage in all areas of the World Ocean. In winter/spring navigation in Arctic — voyage in close floating second-year ice up to 2,5 m thickness and in freezing non-arctic seas without restrictions
Arc7	In summer/autumn navigation — voyage in all areas of the World Ocean. In winter/spring navigation in Arctic — voyage in close floating first-year ice up to 2,1 m thickness and in freezing non-arctic seas without restrictions
Arc6	In summer/autumn navigation in Arctic — voyage in open floating first-year ice up to 1,5 m thickness. In winter/spring navigation in Arctic — voyage in open floating first-year ice up to 1,3 m thickness. Year-round voyage in freezing non-arctic seas
Arc5	In summer/autumn navigation in Arctic — voyage in open floating first-year ice up to 1,2 m thickness. In winter/spring navigation in Arctic — voyage in open floating first-year ice up to 0,9 m thickness. Year-round voyage in freezing non-arctic seas
Arc4	In summer/autumn navigation in Arctic — voyage in open floating first-year ice up to 0,9 m thickness. In winter/spring navigation in Arctic — voyage in open floating first-year ice up to 0,7 m thickness. Year-round voyage in freezing non-arctic seas in light ice conditions
Ice3	Regular voyage in open floating ice-cake ice of non-arctic seas up to 0,7 m thickness
Ice2	Regular voyage in open floating ice-cake ice of non-arctic seas up to 0,5 m thickness
Ice1	Episodical voyage in open floating ice-cake ice of non-arctic seas up to 0,4 m thickness
Notes: 1 The possibility of operation of a vessel in a particular area is determined depending on the season, current weather conditions, actual ice conditions, presence of assistance for navigation in ice and this is the responsibility of the shipowner. 2 For ships having distinguishing mark **DAS** in class symbol ice conditions are assigned on the basis of the descriptions of ice classes.	

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3 TECHNICAL DOCUMENTATION

2 **Para 3.2.16** is replaced by the following text:

"**3.2.16 Documentation of supply vessels carrying manned submersibles or ship's diving systems (vessels having distinguishing marks SDS or MS in the class notation).**

For supply vessels carrying manned submersibles or ship's diving systems (vessels having distinguishing marks **SDS** or **MS** in the class notation) (hereinafter, vessels-carriers), the documentation shall include at least the following:

.1 general arrangement plans of manned submersibles or ship's diving systems on the vessel-carrier (*);

.2 arrangement plan of fire-fighting divisions in the vessel-carrier's spaces intended for control, communications and arrangement of manned submersibles and ship's diving system, as well as in the spaces for positioning of ancillary equipment of manned submersibles with indication of doors, closures of openings, passages (cutouts) in such divisions (*);

.3 diagrams, drawings and calculations of fire extinguishing systems for the spaces specified in 3.2.16.2 (*);

.4 diagram of fire protection and alarm system and alarm system for the spaces specified in 3.2.16.2 and layouts of the devices to monitor explosion/fire-hazardous concentrations of combustible gases in the storerooms for cylinders with flammable gases, compressors, accumulator batteries, etc. (*);

.5 detailed description of fire protection of the spaces with indication of insulating and finishing materials, their location and combustibility for the spaces specified in 3.2.16.2 (*);

.6 documentation on handling system of manned submersibles (except for documentation on handling system components located on the manned submersible to be submitted together with the documentation on the manned submersibles) (*).".

3 **Para 3.3.16** is replaced by the following text:

"**3.3.16 Documentation of supply vessels carrying manned submersibles or ship's diving systems (vessels having distinguishing marks SDS or MS in the class notation).**

For supply vessels carrying manned submersibles or ship's diving systems (vessels having distinguishing marks **SDS** or **MS** in the class notation) (hereinafter, vessels-carriers), the documentation shall include at least the following:

.1 general arrangement plans of manned submersibles and ship's diving systems on the vessel-carrier (*);

.2 arrangement plan of fire-fighting divisions in the vessel-carrier's spaces intended for control, communications and arrangement of manned submersibles and ship's diving system, as well as in the spaces for positioning of ancillary equipment of manned submersibles with indication of doors, closures of openings, passages (cutouts) in such divisions (*);

.3 diagrams, drawings and calculations of fire extinguishing systems for the spaces specified in 3.3.16.2 (*);

.4 diagram of fire protection and alarm system and alarm system for the spaces specified in 3.3.16.2 and layouts of the devices to monitor explosion/fire-hazardous concentrations of combustible gases in the storerooms for cylinders with flammable gases, compressors, accumulator batteries, etc. (*);

.5 detailed description of fire protection of the spaces with indication of insulating and finishing materials, their location and combustibility for the spaces specified in 3.3.16.2 (*);

.6 documentation on handling system of manned submersibles (except for documentation on handling system components located on the manned submersible to be submitted together with the documentation on the manned submersibles) (*).".

PART VII. MACHINERY INSTALLATIONS

2 GENERAL REQUIREMENTS

4 **Para 2.1.17** is replaced by the following text:

"**2.1.17** Propulsion plant of icebreakers and ships of ice classes **Arc6 — Arc9** shall be capable of maintaining the rated power and required rated torque at propeller shafts in a range of rotation speed corresponding to the appropriate operating conditions in accordance with the assigned ice class.".