



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 312-11-1137c

dated 01.06.2018

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2018, ND No. 2-020101-104-E relating to ice classes

Item(s) of supervision:

ships under construction and in service

Implementation:
from the date of publication

Valid till:
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~~Cancels / amends / adds Circular Letter No. -~~

Number of pages: 1+2

Appendix:

text of amendments to Part I "Classification"

Director General

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We hereby inform that the following amendments shall be introduced in para 2.2.3 "The Register ice class marks, the IACS polar class notations and the Baltic ice class notations":

- .1 para 2.2.3.1.3 shall be supplemented by definitions of ice types according to Sea Ice Nomenclature of the World Meteorological Organization;
- .2 text of paras 2.2.3.3.2 and 2.2.3.3.3 shall be replaced by descriptions of the Register ice classes;
- .3 para 2.2.3.3.4 shall be renumbered as para 2.2.3.3.3;
- .4 paras 2.2.3.4 and 2.2.3.5 with associated Tables 2.2.3.4-1 – 2.2.3.4-4 shall be deleted.

The complete text of amendments is given in the Appendix to the Circular Letter. These amendments will be introduced into the Rules at their re-publication.

It is necessary to do the following:

1. Familiarize the surveyors of the RS Branch Offices with the content of the Circular Letter.
2. Bring the content of the Circular Letter to the notice of interested organizations in the area of the RS Branch Offices' activity.
3. Apply provisions of the Circular Letter during review of technical documentation and survey with issue of the ship's documents.

List of ND amended and introduced paras/chapters/sections (to specify in the List of Circular Letters (form 8.3.36)):

Part I: paras 2.2.3.1.3, 2.2.3.3.2, 2.2.3.3.3, 2.2.3.3.4, 2.2.3.4, 2.2.3.5

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RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS

ND NO. 2-020101-104-E

PART I. CLASSIFICATION

Para 2.2.3.1.3 shall be supplemented by the following definitions:

“multi-year ice – ice of thickness more than 3,0 m, which has survived at least two summers' melt;

second-year ice – ice of thickness from 2,0 to 3,0 m, which has survived only one summer's melt;

first-year ice – ice of thickness from 0,7 to 1,4 m, of not more than one winter's growth;

ice cake – any relatively flat piece of sea ice less than 20 m across”.

Paras 2.2.3.3.2 and 2.2.3.3.3 shall be replaced by the following text:

“**2.2.3.3.2** Register ice classes and their reference descriptions are given in Table 2.2.3.3.2.

Table 2.2.3.3.2

Ice class	Description
Arc 9	In summer/autumn navigation – voyage in all areas of the World Ocean. In winter/spring navigation in Arctic – voyage in very close floating ice and in compact multi-year ice of up to 3,5 m thickness and in freezing non-arctic seas without restrictions.
Arc 8	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 2,1 m thickness and in freezing non-arctic seas without restrictions
Arc 7	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 1,4 m thickness and in freezing non-arctic seas without restrictions
Arc 6	In summer/autumn navigation in Arctic – voyage in open floating first-year ice up to 1,3 m thickness. In winter/spring navigation in Arctic – voyage in open floating first-year ice up to 1,1 m thickness. Year-round voyage in freezing non-arctic seas
Arc 5	In summer/autumn navigation in Arctic – voyage in open floating first-year ice up to 1,0 m thickness. In winter/spring navigation in Arctic – voyage in open floating first-year ice up to 0,8 m thickness. Year-round voyage in freezing non-arctic seas
Arc 4	In summer/autumn navigation in Arctic – voyage in open floating first-year ice up to 0,8 m thickness. In winter/spring navigation in Arctic – voyage in open floating first-year ice up to 0,6 m thickness. Year-round voyage in freezing non-arctic seas in light ice conditions
Ice 3	Regular voyage in open floating ice cake ice of non-arctic seas up to 0,7 m thickness
Ice 2	Regular voyage in open floating ice cake ice of non-arctic seas up to 0,5 m thickness

Ice 1	Episodical voyage in open floating ice cake ice of non-arctic seas up to 0,4 m thickness
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Determination of possible periods and areas of navigation, as well as operation regimes under icebreaker escort, is within the shipowner's competence".

Para 2.2.3.3.4 shall be renumbered as para 2.2.3.3.3.

Paras 2.2.3.4 and 2.2.3.5 with associated Tables **2.2.3.4-1 – 2.2.3.4-4** shall be deleted.