RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER **No.** 313-08-977c dated 24.01.2017

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2017, ND No. 2-020101-095-E

Item of technical supervision:

ships under construction

Implementation	from the date of publication
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~~Cancels / Amends / Supplements Circular~~ Letter No.	---- dated ----

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Appendices:	amendments to Part VIII "Systems and Piping" of the Rules for the Classification and Construction of Sea-Going Ships", 2017, ND No. 2-020101-095-E

Director General K.G. Palnikov

Amends the Rules for the Classification and Construction of Sea-Going Ships, 2017, ND No. 2-020101-095-E

We hereby inform that in order to improve the RS normative documents, Part VIII "Systems and Piping" of the Rules for the Classification and Construction of Sea-Going Ships, 2017, ND No. 2-020101-095-E shall be amended as specified in the Appendix to the Circular Letter.

It is necessary to do the following:

1. Apply the above amendments given in this Circular Letter during the review and approval of the ship technical documentation.
2. 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.

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"Thesis" System: Ext. doc. 10198 of 17.01.17

Appendix to Circular Letter No. 313-08-977c dated 24.01.17

RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2017

ND No. 2-020101-095-E

Part VIII "Systems and Piping"

The Annotation shall be supplemented with the following text:

"1. Chapter 1.4: in Table 1.4.1.1.6 the Notes have been amended based on the experience of technical supervision and technical documentation review.

2. Chapter 4.3: in para 4.3.2.9 editorial amendments have been made.
3. Chapter 16.1: in para 16.1.5 the requirements have been specified to accept the absence of air receivers on board the ship to start the auxiliary engines".

SECTION 1. GENERAL

CHAPTER 1.4 PROTECTION AND INSULATION OF PIPING

Table 1.4.1.1.6. The text of notes shall be supplemented reading as follows:

"Notes:

1. For pipelines of over 50 mm diameter with shaped elements having the rounding radii in the places of conjunctions with the main being equal to 0,15 diameter of the latter and more, bent with the bending radius in excess of 2,5 external diameters and without welded turns and throttle membranes, the flow velocity may be 30 % higher than specified in the Table.

2. In bilge, ballast, heel and trim systems the permissible values of a flow velocity may be 30 % higher than specified in the Table with regard to the possible flow velocity increase according to Note 1.

3. In fire-fighting, drenching, water screen, fire sprinkling systems not being constantly filled with water the flow velocity increase is allowed up to 5 m/s.

4. In systems with titanium pipes and valves of other materials, when permissible velocities are determined, the decisive components are those made of other materials.".

SECTION 4. VALVES

CHAPTER 4.3 CHESTS AND ICE BOXES. BOTTOM AND SIDE VALVES. OPENINGS IN SHELL PLATING

Para 4.3.2.9. The first sentence after the words "... the influx of water ... " shall be supplemented with the following words: "... resulting from damage of piping related with the said valves,..." and the rest remaining as it stands.

SECTION 16. COMPRESSED AIR SYSTEM

CHAPTER 16.1 NUMBER AND CAPACITY OF STARTING AIR RECEIVERS

Para 16.1.5 shall be amended to read: "**16.1.5** For starting of the auxiliary engines provision shall be made for at least one air receiver with a capacity sufficient to provide six starts of one engine of the maximum output ready for operation.

Such air receiver may be dispensed with, when the provisions are made to start the auxiliary engines from the air receivers of the main engines. In this case, the compressed air storage in each air receiver of the main engines shall be increased for a capacity sufficient to provide six starts of one auxiliary engine of the maximum output, and the air receivers shall be filled automatically and the requirements of 4.5, Part XV "Automation" shall be complied with.".