RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER **No. 313-68-1193c** dated 13.02.2019

Re:

amendments to the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships, 2018, ND No. 2-020101-040-E

Item(s) of supervision:

ships under construction

Implementation:	Valid till:	Validity period extended till:
from the date of publication	**01.07.2019**	

Cancels / amends / adds Circular Letter No. dated

Number of pages: 1+3

Appendix(ces):

text of amendments to Part IV "Technical Supervision during Manufacture of Products"

Director General Konstantin G. Palnikov

Text of CL:

We hereby inform that based on the proposals received to SRPAA RS ND to Part IV "Technical Supervision during Manufacture of Products", the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships shall be amended as specified in the Appendix to the Circular Letter.

The 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. Apply provisions of the Circular Letter.

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

Part IV: paras 8.4, 8.4.3, 8.4.4, 8.4.5, 8.4.6. New Chapter 8.10 introduced

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“Thesis” System No. 19-30360

Appendix

to Circular Letter

No. 313-68-1193c dated 13.02.2019

RULES FOR TECHNICAL SUPERVISION DURING CONSTRUCTION OF SHIPS AND MANUFACTURE OF MATERIALS AND PRODUCTS FOR SHIPS, 2018

ND No. 2-020101-040-E

PART IV. TECHNICAL SUPERVISION DURING MANUFACTURE OF PRODUCTS

8 SYSTEMS AND PIPING

Chapter 8.4 shall be renamed as follows:

"**8.4 FITTING OF VENTING SYSTEM**".

Para 8.4.3 shall be deleted.

Paras **8.4.4, 8.4.5 and 8.4.6** shall be renumbered 8.4.3, 8.4.4 и 8.4.5 accordingly.

Section 8 shall be supplemented by new Chapter 8.10 "**8.10 Air Pipe Automatic Closing Devices**" reading as follows:

"**8.10 AIR PIPE AUTOMATIC CLOSING DEVICES**

8.10.1 Each type and size of air pipe automatic closing device shall be surveyed and type tested including the following:

. 1 determination of the flow characteristics.

The flow characteristics of the air pipe closing device shall be determined. Measuring of the pressure drop versus rate of volume flow is to be carried out using water and with any intended flame or insect screens in place;

.2 tightness test during immersion/emerging in water.

An automatic closing device is to be subjected to a series of tightness tests involving not less than two (2) immersion cycles under each of the following conditions:

the automatic closing device shall be submerged slightly below the water surface at a velocity of approximately 4 m/min. and then returned to the original position immediately. The quantity of leakage shall be recorded;

the automatic closing device shall be submerged to a point slightly below the surface of the water. The submerging velocity shall be approximately 8 m/min and the air pipe vent head shall remain submerged for not less than 5 min.

Each of the above tightness tests shall be carried out in the normal position as well as at an inclination of 40 degrees under the strictest conditions for the device. In cases where such strictest conditions are not clear, tests shall be carried out at an inclination of 40 degrees with

the device opening facing in three different directions: upward, downward, sideways (left or right).

The maximum allowable leakage per cycle shall not exceed 2 ml/mm of nominal diameter of inlet pipe during any individual test;

.3 discharge / reverse flow test.

A vacuum pump or another suitable device shall be connected to the opening of the air pipe leading to the tank. The flow velocity shall be applied gradually at a constant rate until the float gets sucked and blocks the flow. The velocity at the point of blocking shall be recorded. 80 % of the value recorded will be stated in the certificate.

8.10.2 Testing of non-metallic Floats .

Impact and compression loading tests shall be carried out on the floats before and after pre-conditioning considering Table 8.10.2 as follows:

T a b l e 8.10.2

Test condition	Test temperature °C		
	- 25	+ 20	+ 85
Dry	+	+	+
After immerging in water [1]	+	+	+
After immerging in fuel oil[1]	-	+	-
Symbols: "+" = test is needed; "–" = test is not needed. ---------- [1] Immerging in water and fuel oil shall be for at least 48 hours.			

.1 Impact test may be conducted on a pendulum type testing machine. The floats shall be subjected to 5 impacts of 2,5 Nm each and shall not suffer permanent deformation, cracking or surface deterioration at this impact loading. Subsequently the floats shall be subjected to 5 impacts of 25 Nm each. At this impact energy level some localised surface damage at the impact point may occur. No permanent deformation or cracking of the floats shall appear;

.2 compression loading tests shall be conducted with the floats mounted on a supporting ring of a diameter and bearing area corresponding to those of the float seating with which it is intended that float shall be used. For ball type float, loads shall be applied through a concave cap of the same internal radius as the test float and bearing on an area of the same diameter as the seating. For a disc type float, loads are to be applied through a disc of equal diameter as the float. A load of 350 kg shall be applied over one min and maintained for 60 minutes. The deflection shall be measured at intervals of 10 min after attachment of the full load. The record of deflection against time is to show no continuing increase in deflection and, after release of the load, there shall be no permanent deflection;

.3 tests of metallic floats shall be conducted in accordance with 8.10.2.1".