



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 314-01-1484c

dated 17.12.2020

Re:

amendments to the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships, 2020, ND No. 2-020101-130-E

Item(s) of supervision:

metallic and nonmetallic materials, welders' certification, welding processes

Entry-into-force date:

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Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part III "Technical Supervision during Manufacture of Materials"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for 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 technical supervision during manufacture of materials, welders' certification and approval of welding processes which application for approval was received on or after 17.12.2020.

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

Part III: paras 2.2.2.3.6.2, 2.2.5.2.3, 2.2.5.2.5, 2.2.5.2.6.8, 2.2.5.3.3, 2.4.1.1, 2.4.1.1.1, 2.5.2.3.9, 2.5.2.4.1.2, 2.5.2.4.1.3, 2.5.3.3.2, 2.5.3.4.2, 2.5.3.4.3, 3.1.2.1, 4.4.5.3, 5.1.5.3, 5.3.1.1, 5.3.3.3.9, 6.1.3, 6.4.4.3 and 6.4.4.4, 9.1

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**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	Section 2	Text of paras 2.2.2.3.6.2, 2.2.5.2.3, 2.2.5.2.6.8, 2.2.5.3.3, 2.5.2.3.9, 2.5.2.4.1.2, 2.5.2.4.1.3, 2.5.3.3.2, 2.5.3.4.2 and 2.5.3.4.3 has been harmonized with the definitions of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships with regard to the use of terms "recognized" and "agreed" referring to standards	314-01-1484c of 17.12.2020	17.12.2020
2	Para 2.2.5.2.5	Text of para has been harmonized with the definitions of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships with regard to the use of terms "recognized" and "agreed" referring to standards	314-01-1484c of 17.12.2020	17.12.2020
3	Para 2.4.1.1	References have been specified in connection with introduction of new Section 11 in Part XIII "Materials" of the Rules for the Classification and Construction of Sea-Going Ships	314-01-1484c of 17.12.2020	17.12.2020
4	Para 2.4.1.1.1	Text of para has been harmonized with the definitions of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships with regard to the use of terms "recognized" and "agreed" referring to standards	314-01-1484c of 17.12.2020	17.12.2020
5	Para 3.1.2.1	Text of para has been harmonized with the definitions of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships with regard to the use of terms "recognized" and "agreed" referring to standards	314-01-1484c of 17.12.2020	17.12.2020
6	Para 4.4.5.3	Text of para has been harmonized with the definitions of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships with regard to the use of terms "recognized" and "agreed" referring to standards	314-01-1484c of 17.12.2020	17.12.2020

Nos.	Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
7	Section 5	Text of paras 5.1.5.3, 5.3.1.1 and 5.3.3.3.9 has been harmonized with the definitions of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships with regard to the use of terms "recognized" and "agreed" referring to standards	314-01-1484c of 17.12.2020	17.12.2020
8	Section 6	Text of paras 6.1.3, 6.4.4.3 and 6.4.4.4 has been harmonized with the definitions of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships with regard to the use of terms "recognized" and "agreed" referring to standards	314-01-1484c of 17.12.2020	17.12.2020
9	Para 9.1	Text of para has been harmonized with the definitions of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships with regard to the use of terms "recognized" and "agreed" referring to standards	314-01-1484c of 17.12.2020	17.12.2020

RULES FOR TECHNICAL SUPERVISION DURING CONSTRUCTION OF SHIPS AND MANUFACTURE OF MATERIALS AND PRODUCTS FOR SHIPS, 2020

ND No. 2-020101-130-E

PART XIII. TECHNICAL SUPERVISION DURING MANUFACTURE OF MATERIALS

2 METALS

1 **Paras 2.2.2.3.6.2.5, 2.2.5.2.3, 2.2.5.2.6.8, 2.5.2.4.1.2, 2.5.2.4.1.3, 2.5.2.3.9, 2.5.3.3.2, 2.2.5.3.3, 2.5.3.4.2, 2.5.3.4.3.** The term "recognized" referring to standards is replaced by the term "agreed".

2 **Para 2.2.5.2.5** is replaced by the following text:

"2.2.5.2.5 Sampling (Position of the test samples).

The test samples shall be taken in compliance with the requirements of 3.16.1.8, Part XIII "Materials" of the Rules for the Classification and Construction of Sea-Going Ships and/or with the standards agreed by the Register.

When cutting out the specimens from hollow or bored forgings with a wall thickness of up to 100 mm, the specimens shall be cut out at a distance of one half of the forging wall thickness, and with a wall thickness of over 100 mm — at a distance of one third of the forging wall thickness from an outer surface.

When preparing transverse or tangential specimens, their axis shall be at the same distance as for the longitudinal specimens.

Area of cutting out the specimens from non-cylindrical and non-prismatic forgings shall be indicated in the forging drawing.

On agreement between the firm (manufacturer) and the customer cutting out of specimens from the forging surface at the distance not affected by the surface defects or from the forging center is allowed.

Mechanical properties of forgings of "ring" type produced by drawing are defined on tangential specimens."

3 **Para 2.4.1.1** is replaced by the following text:

"2.4.1.1 Materials subject to the RS technical supervision during their manufacture in accordance with 3.2, 3.4 — 3.15, 3.18 — 3.19 and Sections 4, 5, 7, 8 and 11, Part XIII "Materials" of the Rules for the Classification and Construction of Sea-Going Ships are supplied by manufacturers having the Recognition Certificate for Manufacturer/СПИ (refer to 1.3.1 and 2.1 of this Part of the Rules) together with the RS Certificates of Conformity (C or C3) (forms 6.5.30 or 6.5.31 accordingly)."

4 **Para 2.4.1.1.1** is replaced by the following text:

"2.4.1.1.1 Material shall simultaneously comply with the appropriate requirements of the RS rules and regulating documentation: agreed national and international standards, approved specifications or other technical documentation to be complied with in supply performance. In case of discrepancies between the requirements of the rules and regulating documentation, the evaluation shall be made based on the most stringent requirements.

In case the national and international standards, specifications or other technical documentation differing from those agreed earlier are specified in the contract (order), the technical supervision of material may be performed after review of the new requirements

comparing them with the previously agreed ones. Where discrepancies in the requirements are detected and they affect the terms of issuing the Recognition Certificate for Manufacturer/СПИ, the scope of application of the valid Recognition Certificate for Manufacturer/СПИ shall be amended."

3 NON-METALLIC MATERIALS

5 **Para 3.1.2.1.** The last sentence is replaced by the following text:

"If these are lacking, the coating shall be tested according to the agreed standards for fitness for operational conditions (e.g. immersion test, accelerated hot salt fog test and adhesion test)."

4 WELDING. REGULATIONS FOR WELDERS' CERTIFICATION

6 **Para 4.4.5.3.** The first paragraph is replaced by the following text:

"An ultrasonic testing shall be performed according to the agreed national standards."

5 WELDING CONSUMABLES. QUALITY REQUIREMENTS FOR MANUFACTURE, TESTING AND APPROVAL PROCEDURE

7 **Para 5.1.5.3.** The second paragraph is replaced by the following text:

"the type, class, grade or other precise identification using standards;"

8 **Para 5.3.1.1** is replaced by the following text:

"**5.3.1.1** The technical requirements for welding consumables quality and supply conditions shall be documented as the technical conditions or specifications signed by the authorized personnel. In general, the technical conditions or specifications for supply of welding consumables shall meet the requirements of the appropriate standards, contract documentation and the RS rules."

9 **Para 5.3.3.3.9** is replaced by the following text:

"**5.3.3.3.9** A chemical composition of welding wire and rods by the content of alloying elements and impurities shall meet the requirements of the appropriate standards for a specific class wire, as well as the additional restrictions of the manufacturer on technical conditions or specifications for welding consumable supply."

6 APPROVAL OF WELDING PROCEDURES FOR STEEL STRUCTURES AND ITEMS

10 **Para 6.1.3** is replaced by the following text:

"**6.1.3** Approval of welding procedures shall meet the requirements set forth below. One may be guided by the RS-recognized requirements of international and national standards ISO 15614-1, ASME Section IX, ANSI/AWS D1.1 taking into account the requirements for the extent of tests and range of approval given below."

11 **Para 6.4.4.3.** The second paragraph is replaced by the following text:

"The specimens of 100 — 120 mm in length shall be used for testing. Each specimen shall be tested in compliance with the requirements of ISO 9017 or similar agreed national standards."

12 **Para 6.4.4.4.** The second sentence is replaced by the following text:

"All impact tests shall be carried out on Charpy machines complying with the requirements of ISO 148 or appropriate agreed international and national standards, and having a striking energy of not less than 300 J in testing steel specimens and not less than 150 J in testing non-ferrous metal specimens."

9 APPROVAL OF WELDING PROCEDURES FOR COPPER AND COPPER ALLOYS

13 **Para 9.1** is replaced by the following text:

"**9.1** For the approval of welding procedures for copper and copper alloys, ISO 15614-6 standard or another agreed standard shall be referred to."