



# RUSSIAN MARITIME REGISTER OF SHIPPING

**CIRCULAR LETTER**

**No. 313-13-1646c**

dated 18.10.2021

Re:

amendments to the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships, 2022, ND No. 2-020101-139-E

Item(s) of supervision:

ships under construction

Entry-into-force date:

**01.01.2022**

~~Cancels / amends /~~ adds Circular Letter No.

**313-14-1608c**

dated 06.08.2021

Number of pages: 1 + 2

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Section 4 "Fire protection materials, structures and products" of Part IV "Technical Supervision during Manufacture of Products"

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, 2022, ND No. 2-020101-139-E 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 and interested organizations in the area of the RS Branch Offices' activity.
2. Apply provisions of the Circular Letter during review and approval of the technical documentation of ships and during survey of ships contracted for construction or conversion on or after 01.01.2022, and in the absence of a contract – the works for conversion of which started on or after 01.01.2022.

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

Part IV: Para 4.2.2; Appendix 1 to Section 4

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313

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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	Part IV, Para 4.2.2	Reference to para 2.1.3.3 of Part VI "Fire protection" of the Rules for the Classification and Construction of Sea-Going Ships is replaced by a reference to Appendix 1 to Section 4	313-13-1646c of 18.10.2021	01.01.2022
2	Part IV, Appendix 1 to Section 4	In Appendix 1 the requirements of para 2.1.3.3, Part VI "Fire Protection" of the Rules for the Classification and Construction of Sea-Going Ships, which regulate the test procedure for type approval of pipe and cable transits have been introduced	313-13-1646c of 18.10.2021	01.01.2022

## **RULES FOR TECHNICAL SUPERVISION DURING CONSTRUCTION OF SHIPS AND MANUFACTURE OF MATERIALS AND PRODUCTS FOR SHIPS, 2021,**

**ND No. 2-020101-139-E**

### **PART IV. TECHNICAL SUPERVISION DURING MANUFACTURE OF PRODUCTS**

#### **4 FIRE PROTECTION MATERIALS, STRUCTURES AND PRODUCTS**

1 **Para 4.2.2** is replaced by the following text:

**"4.2.2** In addition to fire tests, structural fire protection products (like doors, fire dampers of ventilation systems, automatic closing devices of fire doors) are checked for operability according to the Register-approved program.

Type approval of pipe penetrations and cable transits fitted to ensure the watertight integrity of a bulkhead or deck where heat-sensitive materials are used and which are required to be both fireproof and watertight shall include prototype tests of watertightness according to the Appendix 1 to this Section."

2 **Section 4** is supplemented by Appendix 1 reading as follows:

*"APPENDIX 1*

#### **PROCEDURE FOR TYPE APPROVAL OF PIPE PENETRATIONS AND CABLE TRANSITS TESTS FOR WATERTIGHTNESS**

Type approval of pipe penetrations and cable transits fitted to ensure the watertight integrity of a bulkhead or deck where heat-sensitive materials are used and which are required to be both fireproof and watertight shall include two consecutive prototype tests of watertightness according to the intended location, namely:

**1** Pipe penetrations or cable transits after having undergone the standard fire test in accordance with the requirements of Part 3 of the FTP Code shall be tested for a period of at least 30 min under hydraulic pressure of not less than 1,5 times the design pressure at flooding as defined in 1.3.4.1, Part II "Hull" of the Rules for the Classification and Construction of Sea-Going Ships, and be not less than 0,1 MPa. The pressure shall be applied to the same side of the division as the fire test. There shall be no leakage during this test.

**2** The fire tested pipe penetration or cable transit shall continue to be tested for further 30 min with the test pressure. The quantity of water leakage shall not exceed a total of 1 litre.

The pressure test shall be carried out with the pipe section with plug and cable section used in the fire test still in place. However, any pipe insulation fitted for the purpose of the fire test may be removed before the pressure test.

The type approval shall be considered valid only for the tested pipe penetration considering its typology (e.g. thermoplastic and multilayer), pipe class, the maximum/minimum dimensions tested, and the type and fire rating of the division.

For cable transit, the type approval shall be considered valid only for the tested cable transit considering its typology (insulation material and type of shield), sealing material, the extent of filling the cable transit as well as fire rating of the division."