



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-23-1569c

dated 27.05.2021

Re:

amendments to the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships, 2021, ND No. 2-020101-139-E

Item(s) of supervision:

automatic fire detectors testing

Entry-into-force date:

01.07.2021

~~Valid till:~~

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

~~dated~~

Number of pages:

1 + 3

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Section 10, 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 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 review and approval of the technical documentation on products as well as when performing technical supervision during manufacture of products, when the requests for service rendering listed above are received on or after 01.07.2021.
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List of the amended and/or introduced paras/chapters/sections:

Part IV: Table 10.7.13.1, para 10.7.13.4.5

Person in charge: Alexei Yu. Bessonov 315

+7 812 605-05-17

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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	Table 10.7.13.1	Requirements for devices of a fire detection system and of a warning alarm of fire-extinguishing medium release have been specified	315-23-1569c of 27.05.2021	01.07.2021
2	Para 10.7.13.4.5	Requirements for fire tests to evaluate automatic fire detectors (smoke, heat, flame and others) have been introduced)	315-23-1569c of 27.05.2021	01.07.2021

Apparatus and devices	Inspection and checks	Measurement of insulation	Test of insulation strength	Tests for compliance with operational conditions onboard	Heat test	Operational test	Other and special checks	Check for permissible levels of industrial radio interference	Tests for immunity to electromagnetic emission
Devices of an external/internal video surveillance system	+	+	+	+	+	+	+	+	+
Devices of an alarm system on rise of explosive gases concentration	+	+	+	+	+	+	+	+	+
Devices of a cargo hold water level alarm system of bulk carriers and dry cargo ships	+	+	+	+ ⁴	+	+ ⁵	+ ⁶	+	+
Devices of a high and high-high cargo level alarm system	+	+	+	+	+	+	+	+	+

Symbols, refer to Table 10.7.5.1.

¹ Contactors are not subject to testing.
² Detectots of an automatic fire detection system and manual fire alarms are not subject to testing.
³ Detectors are not subject to testing.
⁴ In respect of protective enclosure testing – refer to Appendix 15 "Requirements for testing of a cargo hold water level alarm system of bulk carriers and single-hold cargo ships other than bulk carriers".
⁵ Functionality tests shall be carried out in accordance with IMO Resolution MSC.188(79) "Performance standards for water level detectors on bulk carriers and single-hold cargo ships other than bulk carriers".
⁶ Refer to Appendix 15 "Requirements for testing of a cargo hold water level alarm system of bulk carriers and single-hold cargo ships other than bulk carriers".

2 **Para 10.7.13.4** is replaced by the following text:

"10.7.13.4 Other and special checks include:

- .1 check of inscriptions and symbols distinguishability;
- .2 check of audible signals loudness;
- .3 electroacoustical tests, measurements and checks of telephone apparatus shall be performed in accordance with the approved technical documentation for these products following the completion of mechanical and environmental tests;
- .4 operational test of fire alarm stations following the completion of mechanical and environmental tests, i.e. check of operation of all types of alarms, monitoring and interlocks in all potential versions;
- .5 fire tests to evaluate automatic fire detectors (smoke, heat, flame and others), shall be carried out in accordance with the applicable requirements specified in the fire test TF1-TF9 of ISO / TS 7240-9:2012 "Fire detection and alarm systems - Part 9: Test flame for fire detectors".