



# RUSSIAN MARITIME REGISTER OF SHIPPING

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**CIRCULAR LETTER**

**No. 313-13-1642c**

dated 14.10.2021

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Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, ND No.2-020101-138-E

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Item(s) of supervision:

ships under construction

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Entry-into-force date:

**01.01.2022**

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

**313-14-1583c**

dated 01.06.2021

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Number of pages:

1 + 6

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Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part VI "Fire Protection"

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Director General

Konstantin G. Palnikov

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Text of CL:

We hereby inform that the Rules for the Classification and Construction of Sea-Going Ships shall be amended as specified in the Appendices to the Circular Letter considering IACS Unified Interpretation (UI) SC126 (Corr.1 Aug 2021).

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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 provisions of the Circular Letter during review and approval of the technical documentation on ships contracted for construction or conversion on or after 01.01.2022, in the absence of a contract, which commence conversion on or after 01.01.2022.
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List of the amended and/or introduced paras/chapters/sections:

Part VI: Tables 2.3.10-1 and 2.3.10-2, paras 2.1.3.3 and 3.11.3.6, Table 5.1.2

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"Thesis" System No. 21-239452

**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 2.3.10-1	Requirements have been specified for materials used on cargo ships for the method IC considering IACS UI SC126 (Corr.1 Aug 2021)	313-13-1642c of 14.10.2021	01.01.2022
2	Table 2.3.10-1	Requirements have been specified for materials used on cargo ships for the methods IIC and IIIC considering IACS UI SC126 (Corr.1 Aug 2021)	313-13-1642c of 14.10.2021	01.01.2022
3	Para 2.1.3.3	Type approval procedure of pipe penetrations and cable transits where heat-sensitive materials are used has been transferred to Appendix 1 to Section 4, Part IV of the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships	313-13-1642c of 14.10.2021	01.01.2022
4	Para 3.11.3.6	Requirements have been specified for the fire extinguishing remote control device	313-13-1642c of 14.10.2021	01.01.2022
5	Table 5.1.2, item 10.4	Reference to 6.4.1.4.4 has been replaced by reference to 6.4.1.15.4	313-13-1642c of 14.10.2021	01.01.2022

**RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2021,**

**ND No. 2-020101-138-E**

**PART VI. FIRE PROTECTION**

**2 STRUCTURAL FIRE PROTECTION**

1 **Table 2.3.10-1** is replaced by the following text:

"Table 2.3.10-1

**Method IC**

Nos.	Requirements for materials. Structural member	Non-combustibility (refer to 2.3.4)	Non-combustibility (refer to 2.1.1.5)	Low flame-spread (refer to 2.1.1.8.2)	Total volume of combustible materials (refer to 2.1.1.10.1)	Calorific value (refer to 2.1.1.10)	Smoke and toxic vapors generation (refer to 2.1.1.6 and 2.1.1.7)	Hardened combustibility (refer to 2.1.1.6)
1	Moldings				x			
2	Panels	x						
3	Painted surfaces, linings, textiles, films			x	x	x	x <sup>1</sup>	
4	Painted surfaces, linings, textiles, films			x	x	x	x <sup>1</sup>	
5	Decorations				x		x	
6	Painted surfaces, linings, textiles, films				x	x	x <sup>1</sup>	
7	Plinth				x			
8	Insulation		x <sup>2</sup>					

Nos.	Requirements for materials. Structural member	Non-combustibility (refer to 2.3.4)	Non-combustibility (refer to 2.1.1.5)	Low flame-spread (refer to 2.1.1.8.2)	Total volume of combustible materials (refer to 2.1.1.10.1)	Calorific value (refer to 2.1.1.10)	Smoke and toxic vapors generation (refer to 2.1.1.6 and 2.1.1.7)	Hardened combustibility (refer to 2.1.1.6)
9	Surfaces and paints in concealed and inaccessible places			x				
10	Draught prevention seals	x						
11	Furring	x		x				
12	Linings	x						
13	Primary deck covering						x <sup>4</sup>	x
14	Floor covering			x <sup>3</sup>			x	
15	Scuttle frame	x						
16	Scuttle frame surface			x	x	x	x	
17	Scuttle frame surface in concealed and inaccessible places			x				
18	Ceiling panel	x						

<sup>1</sup> Applied to paints, varnishes and other coatings.

<sup>2</sup> Vapour barriers used for coating of the cooling systems piping (refer to 2.1.1.5) may be combustible, provided they are low-flame spread.

<sup>3</sup> In corridors and stairways enclosures only.

<sup>4</sup> Only in accommodation and service spaces and control stations.

2 **Table 2.3.10-2** is replaced by the following text:

"Table 2.3.10-2

**Methods IIC ad IIIC**

Nos.	Requirements for materials. Structural member	Non-combustibility (refer to 2.3.4)	Non-combustibility (refer to 2.1.1.5)	Low flame-spread (refer to 2.1.1.8.2)	Total volume of combustible materials (refer to 2.1.1.10.1)	Calorific value (refer to 2.1.1.10)	Smoke and toxic vapors generation (refer to 2.1.1.6 and 2.1.1.7)	Hardened combustibility (refer to 2.1.1.6)
1	Moldings				x <sup>3</sup>			
2	Panels	x <sup>1</sup>						
3	Painted surfaces, linings, textiles, films			x	x	x	x <sup>4</sup>	
4	Painted surfaces, linings, textiles, films			x	x <sup>2</sup>	x <sup>3</sup>	x <sup>4</sup>	
5	Decorations				x <sup>2</sup>		x	
6	Painted surfaces, linings, textiles, films				x <sup>2</sup>	x <sup>3</sup>	x <sup>4</sup>	
7	Plinth				x <sup>2</sup>			
8	Insulation		x <sup>5</sup>					
9	Surfaces and paints in concealed and inaccessible places			x				
10	Draught prevention seals	x <sup>1</sup>						
11	Furring	x <sup>1</sup>		x				
12	Linings	x <sup>1</sup>						
13	Primary deck covering						x <sup>7</sup>	x
14	Floor covering			x <sup>6</sup>			x	
15	Scuttle frame	x <sup>1</sup>						
16	Scuttle frame surface			x <sup>2</sup>	x <sup>2</sup>	x <sup>3</sup>	x	
17	Scuttle frame surface in concealed and inaccessible places			x				

Nos.	Requirements for materials. Structural member	Non-combustibility (refer to 2.3.4)	Non-combustibility (refer to 2.1.1.5)	Low flame-spread (refer to 2.1.1.8.2)	Total volume of combustible materials (refer to 2.1.1.10.1)	Calorific value (refer to 2.1.1.10)	Smoke and toxic vapors generation (refer to 2.1.1.6 and 2.1.1.7)	Hardened combustibility (refer to 2.1.1.6)
18	Ceiling panel	x <sup>1</sup>						

<sup>1</sup> Only in corridors and stairways enclosures servicing accommodation and service spaces and control stations.  
<sup>2</sup> Applied to such accommodation and service spaces, which are bounded by non-combustible bulkheads, ceilings and linings.  
<sup>3</sup> When combustible materials are fitted on non-combustible bulkheads, ceilings and linings in accommodation and service spaces.  
<sup>4</sup> Applied to paints, varnishes and other coatings.  
<sup>5</sup> Vapour barriers used for coating of the cooling systems piping (refer to 2.1.1.5) may be combustible, provided they are low-flame spread.  
<sup>6</sup> In corridors and stairways enclosures only.  
<sup>7</sup> Only in accommodation and service spaces and control stations.

3 **Para 2.1.3.3** is replaced by the following text:

**"2.1.3.3** If the "A" class divisions are penetrated, then such penetrations (cutouts) shall be tested in accordance with the FTP Code, considering the provisions of 2.2.1.4. The requirements of 12.1.12 and 12.1.13, Part VIII "Systems and Piping" are applied to ventilation ducts.

Tests may not be conducted if the pipes penetrations are made of steel or other equivalent material with a thickness of 3 mm or greater and a length of not less than 900 mm (preferably 450 mm at each side of the division) and do not have any openings. Such penetrations shall be insulated similar to the division itself.

In case where pipe penetrations and cable transits are constructed without structural sockets and consist of removable sleeves welded or bolted to the division and/or of soft or intumescent filling material, these sleeves shall be of minimum 3 mm thickness and of minimum 60 mm length and filling material shall be adequately secured by bonded materials or mechanical means in order to prevent damage or fall out. Such penetrations shall not impair fire integrity and structural strength of the divisions.

Type approval of pipe penetrations and cable transits fitted in the bulkheads and decks where heat-sensitive materials are used and which are subject to fire integrity and water tightness requirements shall include a prototype test of watertightness in accordance with the procedure specified in Appendix 1 to Section 4, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships."

### **3 FIRE-FIGHTING EQUIPMENT AND SYSTEMS**

4 **New para 3.11.3.6** is introduced reading as follows:

**"3.11.3.6** In case the fire extinguishing remote control device is to be locked, a key to the locker shall be in a break-glass-type case conspicuously located adjacent to the locker."

### **5 FIRE-FIGHTING OUTFIT, SPARE PARTS AND TOOLS**

5 **Table 5.1.2.** In item 10.4 the reference to 6.4.1.4.4 is replaced by the reference to 6.4.1.15.4.