



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 313-06-1174c

dated 10.12.2018

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2019,
ND No. 2-020101-114-E

Item(s) of supervision:

structural fire protection of fishing vessels of 500 gross tonnage and upwards and/or of 45 m and more in length

Implementation:

from the date of publication

Valid till:

Validity period extended till:

Cancels / amends / adds Circular Letter No.

dated

Number of pages:

1+3

Appendix(ces):

text of amendments to Part VI "Fire Protection"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that Part VI "Fire Protection" of the Rules for the Classification and Construction of Sea-Going Ships, 2019, shall be amended as specified in the Appendix to the Circular Letter.

It is necessary to do the following:

1. Apply the provisions of the Circular Letter during the review and approval of the technical documentation of ships, the contracts for construction or conversion of which have been signed on 1 January 2019 or after this date.
2. Familiarize the surveyors of the RS Branch Offices with the content of the Circular Letter.
3. Bring the content of the Circular Letter to the notice of the interested organizations in the area of the RS Branch Offices' activity.

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

Part VI: Chapter 2.5

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**RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2019
ND No 2-020101-114-E**

PART VI. FIRE PROTECTION

2 STRUCTURAL FIRE PROTECTION

The Section shall be supplemented with a **new Chapter 2.5** reading as follows:

“2.5 FISHING VESSELS

2.5.1 The requirements of this Chapter are additional to those set out in 2.1 and apply to fishing vessels of 500 gross tonnage and upwards and/or 45 m and more in length, the definition of which is given in 1.2.1, Part I “Classification” of the Rules for the Classification and Construction of Small Sea Fishing Vessels.

2.5.2 In way of accommodation and service spaces and control stations one of three methods of protection shall be adopted in compliance with 2.3.2.

2.5.3 The minimum fire integrity of the bulkheads and decks separating adjacent spaces shall be as prescribed in Tables 2.5.3-1 and 2.5.3-2.

For determining the appropriate fire integrity standards to be applied to divisions between adjacent spaces, the spaces are classified according to their fire risk as follows:

(1) control stations: spaces accommodating emergency sources of electrical power and lighting; wheelhouse and navigation room; spaces accommodating ship radio equipment; fire stations; main machinery control room if it is located outside machinery space; spaces accommodating centralized fire alarm system;

(2) corridors and lobbies;

(3) accommodation spaces in accordance with 1.5.2, except corridors;

(4) stairways:

interior stairways, lifts, totally enclosed emergency escape trunks and escalators (other than those wholly contained within the machinery spaces) and enclosures.

A stairway which is enclosed only at one level shall be regarded as part of the space from which it is not separated by a fire door;

(5) service spaces (low risk):

storerooms not having provisions for the storage of flammable liquids and having areas less than 4 m²; drying rooms and laundries;

refrigerated provision storerooms insulated with non-combustible materials;

spaces accommodating electrical distribution boards having an area of less than 4 m²;

(6) machinery spaces of category A:

spaces as defined in 1.2, Part VII "Machinery Installations";

incinerator rooms and combined incinerator/waste stowage spaces and the flue uptakes from such spaces (refer to 2.1.5.9);

(7) other machinery spaces:

machinery spaces excluding those specified in (6);

spaces for fish meal plants;

spaces accommodating electrical equipment (automatic telephone stations, spaces for air conditioning ducts);

(8) cargo spaces:

all spaces used for carriage of cargoes (including bulk cargo tanks) as well as trunkways and hatchways to such spaces;

(9) service spaces (greater fire risk): galleys and pantries containing appliances for hot food preparation, saunas;

storerooms with an area of 4m² and over;

paint lockers and lamp lockers; spaces for storage of flammable liquids;

workshops and similar spaces, which are not part of machinery spaces;
waste stowage spaces and garbage chutes connected thereto;
(10) open decks:

open deck spaces and enclosed rest areas having no fire risk (this means that their furnishings shall be restricted to deck furniture; in addition, such spaces shall be naturally ventilated by permanent openings:
raw fish-filleting areas, fish washing rooms and similar spaces with no fire risk;
air spaces (spaces outside superstructures and deckhouses).

Table 2.5.3-1

Fire integrity of bulkheads separating adjacent spaces

Spaces	Categories of spaces	Categories of spaces									
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Control stations	(1)	A-0 ¹	A-0	A-60	A-0	A-15	A-60	A-15	A-60	A-60	*
Corridors and lobbies	(2)		C	B-0	B-0 A-0 ²	B-0	A-60	A-0	A-0	A-0	*
Accommodation spaces	(3)			C ^{3,4}	B-0 A-0 ²	B-0	A-60	A-0	A-0	A-0	*
Stairways	(4)				B-0 A-0 ²	B-0 A-0 ²	A-60	A-0	A-0	A-0	*
Service spaces (low risk)	(5)					C	A-60	A-0	A-0	A-0	*
Machinery spaces of category A	(6)						*	A-0	A-0 ⁵	A-60	*
Other machinery spaces	(7)							A-0 ⁶	A-0	A-0	*
Cargo spaces	(8)								*	A-0	*
Service spaces (high risk)	(9)									A-0 ⁶	*
Open decks	(10)										-

¹ Bulkheads separating the wheelhouse, chartroom and radio room from each other may be of "B-0" class.

³ For clarification as to which applies, refer to 2.1.4.3.

³ Doors separating cabins from individual sanitary accommodation may be constructed of combustible materials in *method IC* fire protection. No special requirements are imposed upon bulkheads in *methods IIC* and *IIIC*.

⁴ In case of *method IIIC* bulkheads of "B-0" class shall be provided between spaces or groups of spaces of 50 m² and over in area.

⁵ "A-0" class may be used if no dangerous goods are intended to be carried. For cargo spaces intended for carriage of dangerous goods refer to 7.2.12.

⁶ Where spaces are used for the same purpose, divisions between them need not be fitted.

Notes: 1. Where an asterisk appears in the tables, the division shall be of steel or equivalent but is not required to be of "A" class. However, if in the deck except for the decks in a space of category (10), there are penetrations for electric cables, piping and ventilation ducts, such penetrations shall be flame and smoke tight. Divisions between control stations (emergency generators) and open decks may have air intake openings without closing appliances, except cases when fixed gas fire-fighting system is installed.

2. Refer to Note 4 to Table 2.2.1.3-1.

Table 2.5.3-2

Fire integrity of decks separating adjacent spaces

Spaces below	Categories of spaces	Spaces above									
		Categories of spaces									
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Control stations	(1)	A-0	A-0	A-0	A-0	A-0	A-60	A-0	A-0	A-0	*

Corridors and lobbies	(2)	A-0	*	*	A-0	*	A-60	A-0	A-0	A-0	*
Accommodation spaces	(3)	A-60	A-0	*	A-0	*	A-60	A-0	A-0	A-0	*
Stairways	(4)	A-0	A-0	A-0	*	A-0	A-60	A-0	A-0	A-0	*
Service spaces (low risk)	(5)	A-15	A-0	A-0	A-0	*	A-60	A-0	A-0	A-0	*
Machinery spaces of category A	(6)	A-60	A-60	A-60	A-60	A-60	*	A-60 ¹	A-30	A-60	*
Other machinery spaces	(7)	A-15	A-0	A-0	A-0	A-0	A-0	*	A-0	A-0	*
Cargo spaces	(8)	A-60	A-0	A-0	A-0	A-0	A-0	A-0	*	A-0	*
Service spaces (high risk)	(9)	A-60	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0 ²	*
Open decks	(10)	*	*	*	*	*	*	*	*	*	-

¹ Where other machinery spaces of category (7) are the spaces of low fire risk, i.e. they do not contain machinery operating on fuel oil or having a pressure lubrication systems, "A-O" class divisions are permitted.

² Refer to Footnote 6 to Table 2.5.3-1.

Notes: 1. Refer to Note 1 to Table 2.5.3-1.

2. Refer to Note 4 to Table 2.2.1.3-1.

2.5.4 Linings, ceilings, draught stops and their associated grounds shall be made of non-combustible materials:

in accommodation and service spaces, and in control stations, if protection *method IC* is used;

in corridors and stairway enclosures serving accommodation and service spaces, and control stations, if protection *methods IIC* and *IIIC* are used.

2.5.5 Provisions of 2.3.5 shall apply to bulkheads within accommodation and service spaces not required to be "A" or "B" class divisions.

2.5.6 Provisions of 2.3.5.3, 2.3.6, 2.3.7 и 2.3.8 shall apply to fire doors.

2.5.7 For the purpose of application of the requirements given in 2.1.1.7, 2.1.1.8 and 2.1.1.10 it is necessary to follow Fig. 2.3.10 and Table 2.3.10-1, except for what is stated in 2.5.8 and 2.3.10-2. Table 2.3.10-1 shall apply in *method IC* fire protection, Table 2.3.10-2 shall apply in *method IIC* and *IIIC* fire protection.

2.5.8 As a lining material for specially equipped fish-processing shops (for raw fish filleting and washing, refrigerating, canning shops) moisture-resistant plywood with low flame-spread characteristics may be used as specified in FTP Code. For plastic laminated moisture-resistant plywood, both composing materials (plywood and laminate) shall have low flame-spread characteristics.”.