



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-11-1899c

dated 17.02.2023

Re:

amendments to the Rules for the Classification and Construction of High-Speed Craft, 2023, ND No. 2-020101-158-E

Item(s) of supervision:

high-speed craft

Entry-into-force date:

15.03.2023

Cancel / amends / adds Circular Letter No.

dated

Number of pages: 1 + 8

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part XVII "Radio Equipment" and Part XVIII "Navigational Equipment"

Acting Director General

Sergey A. Kulikov

Text of CL:

We hereby inform that the Rules for the Classification and Construction of High-Speed Craft 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 high-speed craft (as well as equipment installed on board the high-speed craft) contracted for construction or conversion on or after 15.03.2023, in the absence of a contract, during review and approval of technical documentation on high-speed craft (as well as equipment installed on board the high-speed craft) requested for review on or after 15.03.2023.
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List of the amended and/or introduced paras/chapters/sections:

Part XVII: paras 4.1 — 4.3, 6.1, 7.2, 7.5 — 7.7, 8.1, 8.2, 9.1 — 9.3, 10.1, 11.1 and 12.1

Part XVIII: paras 1.2, 4.1, 4.2, Table 5.1, paras 5.2, 5.3, Section 8, paras 9.1, 10.1 — 10.33, 11.1 and 11.1.1 — 11.4.16

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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 XVII, para 4.1	Reference to Part I "General" of the Rules for the Equipment of Sea-Going Ships has been replaced with reference to Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships	315-11-1899c of 17.02.2023	15.03.2023
2	Part XVII, paras 4.2 and 4.3	Para 4.2 has been deleted. Existing para 4.3 has been renumbered 4.2	315-11-1899c of 17.02.2023	15.03.2023
3	Part XVII, para 6.1	Reference to Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships has been replaced with reference to the Guidelines on the application of provisions of chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)	315-11-1899c of 17.02.2023	15.03.2023
4	Part XVII, para 7.2	Reference to Part XVIII "Navigational Equipment" has been specified	315-11-1899c of 17.02.2023	15.03.2023
5	Part XVII, paras 7.5 — 7.7	Para 7.5 has been deleted. Existing paras 7.6 and 7.7 have been renumbered 7.5 and 7.6 accordingly	315-11-1899c of 17.02.2023	15.03.2023
6	Part XVII, para 7.7 (renumbered 7.6)	Reference to Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships has been specified	315-11-1899c of 17.02.2023	15.03.2023
7	Part XVII, para 8.1	Reference to Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships has been deleted	315-11-1899c of 17.02.2023	15.03.2023
8	Part XVII, para 8.2	Reference to Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships has been specified	315-11-1899c of 17.02.2023	15.03.2023
9	Part XVII, paras 9.1 — 9.3	Para 9.1 has been deleted. Existing paras 9.2 and 9.3 have been renumbered 9.1 and 9.2 accordingly	315-11-1899c of 17.02.2023	15.03.2023

Nos.	Amended paras/chapters/ sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
10	Part XVII, paras 10.1 and 11.1	Reference to Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships has been replaced with reference to the Guidelines on the application of provisions of chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)	315-11-1899c of 17.02.2023	15.03.2023
11	Part XVII, para 12.1	Reference to Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships has been specified	315-11-1899c of 17.02.2023	15.03.2023
12	Part XVIII, para 1.2	Recommendation on equipping HSC with navigational equipment has been specified	315-11-1899c of 17.02.2023	15.03.2023
13	Part XVIII, para 4.1	Reference to Part I "General" of the Rules for the Equipment of Sea-Going Ships has been replaced with reference to Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships	315-11-1899c of 17.02.2023	15.03.2023
14	Part XVIII, para 4.2	Para has been deleted	315-11-1899c of 17.02.2023	15.03.2023
15	Part XVIII, Table 5.1	References and definitions have been specified, requirement for equipping HSC with navigational instruments have been deleted	315-11-1899c of 17.02.2023	15.03.2023
16	Part XVIII, paras 5.2 and 5.3	Para 5.2 has been deleted. Existing para 5.3 has been renumbered 5.2	315-11-1899c of 17.02.2023	15.03.2023
17	Part XVIII, Section 8	Section 8 has been deleted. Existing Sections 9 — 11 (with paras and references thereto) have been renumbered 8 — 10 accordingly	315-11-1899c of 17.02.2023	15.03.2023
18	Part XVIII, para 10.29 (renumbered 9.29)	Reference to Part V "Navigational Equipment" of the Rules for the Equipment of Sea-Going Ships has been deleted	315-11-1899c of 17.02.2023	15.03.2023
19	Part XVIII, paras 11.1 and 11.1.1	Paras 11.1 and 11.1.1 have been deleted. Existing paras 11.1.2 и 11.1.3 have been renumbered 10.1 and 10.2 accordingly	315-11-1899c of 17.02.2023	15.03.2023

Nos.	Amended paras/chapters/ sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
20	Part XVIII, para 11.1.2 (renumbered 10.1)	Reference to Part V "Navigational Equipment" of the Rules for the Equipment of Sea-Going Ships has been specified	315-11-1899c of 17.02.2023	15.03.2023
21	Part XVIII, para 11.1.3 (renumbered 10.2)	Reference to Part V "Navigational Equipment" of the Rules for the Equipment of Sea-Going Ships has been replaced with reference to IMO resolution MSC.191(79)	315-11-1899c of 17.02.2023	15.03.2023
22	Part XVIII, Chapters 11.2 — 11.4	Chapter have been deleted	315-11-1899c of 17.02.2023	15.03.2023

RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF HIGH-SPEED CRAFT, 2023,

ND No. 2-020101-158-E

PART XVII. RADIO EQUIPMENT

4 TECHNICAL DOCUMENTATION

1 **Para 4.1** is replaced by the following text:

"4.1 The requirements for technical documentation on the radio equipment of HSC to be submitted for consideration together with ship design documentation are set forth in 3.3.4, 3.3.5 of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships."

2 **Para 4.2** and references thereto are deleted.

3 **Existing para 4.3** is renumbered **4.2**.

6 LIST OF RADIO EQUIPMENT

4 **Para 6.1** is replaced by the following text:

"6.1 Each HSC shall be provided with radio equipment in compliance with Table 2.3 of the Guidelines on the application of provisions of chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74), as appropriate for sea areas and maintenance procedures which are used to ensure operation of the radio equipment."

7 ARRANGEMENT OF RADIO EQUIPMENT

5 **Para 7.2** is replaced by the following text:

"7.2 The control position for maintaining a radio watch shall be provided with a table (a hinged table may be used) of a sufficient size to keep records and with a seat for the radio operator. Where radio equipment is installed so that it can be operated directly from the operating position of the navigator on watch, the table and seat required by Section 10, Part XVIII "Navigational Equipment", may be used for these purposes."

6 **Para 7.5** is deleted.

7 **Existing para 7.6** is renumbered **7.5**.

8 **Para 7.7** is replaced by the following text:

"7.6 The emergency accumulator battery for radio equipment required by 8.1 shall be arranged in compliance with the requirements of 3.2, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships. "

8 SOURCES OF POWER

9 **Para 8.1** is replaced by the following text:

"8.1 Supply of electrical power from the main, reserve and emergency sources of electrical power, sufficient to operate radio installations and to charge a reserve source of energy shall be available at all times, while the craft is at sea."

10 **Para 8.2** is replaced by the following text:

"8.2 The reserve source of energy required by 8.1 shall be capable of simultaneously operating the radio equipment installed on board the craft in accordance with 6.1 for a period of at least 1 h. The requirements for the reserve source of electrical power are set forth in 2.3, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships."

9 AERIALS

11 **Para 9.1** is deleted.

12 **Para 9.2** is replaced by the following text:

"9.1 Leads and feeders of aerials inside the spaces shall be fitted in compliance with 4.5, and structure and locations of aerials shall be in compliance with 4.1 — 4.4, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships."

13 **Existing para 9.3** is renumbered **9.2**.

10 CONSTRUCTIONAL AND OPERATIONAL REQUIREMENTS FOR RADIO EQUIPMENT

14 **Para 10.1** is replaced by the following text:

"10.1 All radio equipment required by this Part shall comply with constructional and performance requirements contained in Appendix 3 to the Guidelines on the application of provisions of chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)."

11 MAINTENANCE

15 **Para 11.1** is replaced by the following text:

"11.1 Serviceability of radio equipment of HSC shall be provided in accordance with 1.6 of the Guidelines on the application of provisions of chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)."

12 SPARE PARTS

16 **Para 12.1** is replaced by the following text:

"12.1 Where serviceability of radio equipment is ensured by proper at-sea maintenance and repair, the craft shall be provided with spare parts in accordance with 2.3, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships."

PART XVIII. NAVIGATIONAL EQUIPMENT

1 SCOPE OF APPLICATION

17 **Para 1.2** is replaced by the following text:

"1.2 This Part of the Rules shall apply to HSC referred to in 1.1.1.3 of Part I "Classification", and also to Category A high-speed passenger craft, not engaged on international voyages, carrying not more than 36 passengers, below 100 gross tonnage and proceeding for a distance of not more than 20 miles from a place of refuge. The list of navigational equipment for these craft shall be as follows:

magnetic compass (for craft of less than 150 GRT, equipment with nomenclature codes 05010000MK, 02090013MK may be fitted);

remote transmitting heading device (THD) (not required, provided the craft is fitted with a gyrocompass to transmit heading information for input to the relevant navigational equipment);

radar operating in 9 GHz band (3 cm wavelength) (for craft of less than 300 GRT (including passenger craft) not engaged on international voyages, equipment with nomenclature code 05140250 may be fitted), and on craft with a maximum speed of 30 knots and above, the scan rate of the aerial shall not be less than 40 rpm;

radionavigation system receiver;

night vision equipment (night vision equipment not intended for HSC is allowed, with the exception of passenger ships and HSC within the requirements of the International Code of Safety for High-Speed Craft, HSC, not fitted with night vision equipment, capable of operating in the night-time at a limited maximum speed not exceeding the rate calculated in meters per second (m/s), according to the formula $3.7 \times \nabla^{0.1667}$; where ∇ is the displacement equal to the design waterline, m³);

sound reception system (not required where conning station is equipped with opening windows or exit to open deck);

electronic chart display and information system (ECDIS) (not required provided corrected paper nautical charts are available on board for route planning and route monitoring throughout the intended voyage).

Besides, in view of high speed of such craft it is recommended to install a heading control system, ship automatic universal identification system, echo-sounder which shall comply with the relevant requirements of Section 10 in the present Part of the Rules."

4 TECHNICAL DOCUMENTATION

18 **Para 4.1** is replaced by the following text:

"4.1 The requirements for technical documentation on navigational equipment of high-speed craft to be submitted for consideration together with plan approval documentation are set forth in 3.3.4, 3.3.5 of Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships."

19 **Para 4.2** is deleted.

5 LIST OF NAVIGATIONAL EQUIPMENT

20 **Table 5.1** is replaced by the following table:

"Table 5.1

No	Craft's navigational equipment	Quantity			Remarks
		Passenger craft (100 passengers and less)	Passenger craft (450 passengers and less)	Cargo craft of 500 gross tonnage and more or passenger craft (more than 450 passengers)	
1	Magnetic compass	1	1	1	
2	Remote device to transfer information on magnetic course to other navigational equipment	1	–	–	Not required if gyrocompass is installed
3	Gyrocompass for high-speed craft	–	1	1	
4	Log (dynamic pressure, induction, Doppler, etc.)	1	1	1	Where interlace with auto tracking aid (ATA) or automatic radar plotting aid (ARPA) is required, the log shall be capable to measure craft's speed through the water
5	Echo sounder	1	1	1	Only for non-amphibian craft for sounding depths in the displacement mode
6	Radar for high-speed craft ¹	1	1	2 ^{2,3}	Radar shall operate at 9 GHz (3 cm range scale)
7	Radionavigational system receiver ⁴	1	1	1	
8	Rudder angle indicator and/or propeller thrust direction indicator	1	1	1	
9	Rate-of-turn indicator	1 ⁵	1 ⁵	1 ⁵	Mandatorily required for craft of more than 500 gross tonnage
10	Night vision equipment	1 ⁶	1 ⁶	1 ⁶	
11	Craft's heading control system of high-speed craft	1	1	1	
12	Sound reception system	1	1	1	Required on craft with enclosed control station
13	Automatic identification system (AIS)	1	1	1	
14	Voyage data recorder ⁷	1	1	1	
15	Radar reflector	1 ⁸	1 ⁸	1 ⁸	Radar reflectors shall operate both at 3 and 9 GHz
16	Electronic chart display and information system (ECDIS)	1	1	1	Provision shall be made for back-up arrangements: a second ECDIS or a set of up-to-date paper nautical charts
17	Long-range identification and tracking (LRIT) system equipment	1	1	1	Not required for craft not making international voyages

¹ At least one radar shall be equipped with automatic radar plotting or auto tracking aid suitable for craft's speed.
² The second radar shall operate at 3 GHz (10 cm range scale).
³ Where two radars are required, they shall be independent of each other.
⁴ The radionavigational system used shall be accessible at all times during the intended voyage.
⁵ The rate-of-turn indicator is required for craft of less than 500 gross tonnage if the test according to Annexes 3 and 9, Chapter 19 of 2000 HSC Code, shows that the turn rate can exceed safety level 1.
⁶ According to the requirements of 8.1.
⁷ Voyage data recorders shall be installed on cargo craft of more than 3000 gross tonnage.
⁸ To be installed on any craft of 150 gross tonnage and less.

21 **Para 5.2** is deleted.

22 **Existing para 5.3** is renumbered **5.2**.

8 SPARE PARTS

23 **Section 8** is deleted.

24 **Existing Sections 9 — 11** (with paras and references thereto) are renumbered **8 — 10** accordingly.

10 CRAFT CONTROL STATIONS

25 **Para 10.29** is replaced by the following text:

"9.29 Where the craft control station is equipped with a combined craft control panel, one shall be guided by the provisions of this Part and those of 4.5 in Part XI "Electrical Equipment" of the Rules for the Classification and Construction of Sea-Going Ships¹".

11 OPERATIONAL REQUIREMENTS FOR NAVIGATIONAL EQUIPMENT

26 **Paras 11.1** and **11.1.1** are deleted.

27 **Para 11.1.2** is replaced by the following text:

"10.1 All navigational equipment required by this Part as well as the navigational aids to be installed on HSC in addition to those required shall comply in respect of their constructional and operational characteristics with the requirements of Appendix 1 to Part V "Navigational Equipment" of the Rules for the Equipment of Sea-Going Ships".

28 **Para 11.1.3** is replaced by the following text:

"10.2 For presentation of navigation-related information from different detectors, display equipment (indicators) may be used which integrate data from several sources. In this case, equipment of this kind installed in a craft control station should present navigation-related information in conformity with the requirements of IMO resolution MSC.191(79)".

29 **Chapters 11.2 — 11.4** are deleted.