

RULES

FOR THE CLASSIFICATION AND CONSTRUCTION OF HIGH-SPEED CRAFT

PART XXI

CRAFT FOR PERSONNEL TRANSPORTATION

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RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF HIGH-SPEED CRAFT

Rules for the Classification and Construction of High-Speed Craft of Russian Maritime Register of Shipping (RS, the Register) have been approved in accordance with the established approval procedure and come into force on 1 March 2023.

The present edition of the Rules is based on the 2018 edition taking into account the amendments developed immediately before publication.

The procedural requirements, unified requirements, unified interpretations and recommendations of the International Association of Classification Societies (IACS) and the relevant resolutions of the International Maritime Organization (IMO) have been taken into consideration.

The Rules are published in the following parts:

- Part I "Classification";
- Part II "Hull Structure and Strength";
- Part III "Equipment, Arrangements and Outfit";
- Part IV "Stability";
- Part V "Reserve of Buoyancy and Subdivision";
- Part VI "Fire Protection";
- Part VII "Machinery Installations";
- Part VIII "Systems and Piping";
- Part IX "Machinery";
- Part X "Boilers, Heat Exchangers and Pressure Vessels";
- Part XI "Electrical Equipment";
- Part XII "Refrigerating Plants";
- Part XIII "Materials";
- Part XIV "Welding";
- Part XV "Automation";
- Part XVI "Live-Saving Appliances";
- Part XVII "Radio Equipment";
- Part XVIII "Navigational Equipment";
- Part XIX "Signal Means";
- Part XX "Equipment for Pollution Prevention";
- Part XXI "Craft for Personnel Transportation".

REVISION HISTORY

(purely editorial amendments are not included in the Revision History)

For this version, there are no amendments to be included in the Revision History.

1 GENERAL

1.1 Scope of application.

1.1.1 The requirements of this Part of the Rules for the Classification and Construction of High-Speed Craft¹ apply to high-speed craft² intended for transportation of the personnel in the number of above 12 but not exceeding 450 persons not engaged in international voyages.

For this craft to the character of classification, in addition to the HSC character of type according to 2.5, Part I "Classification", a descriptive notation **Crew boat** may be added on agreement with the Administration.

1.1.2 The maximum distance from the place of refuge for the craft with the descriptive notation **Crew boat** in the character of classification is a distance, which the craft may cover during 4 h at the service speed and fully-loaded but not exceeding 200 miles.

1.1.3 The personnel to be transported on this craft shall have certificates to confirm the training in compliance with Section A-VI/1 "Mandatory Minimum Requirements for Safety Familiarization, Basic Training and Instruction for All Seafarers" of the Seafarers' Training, Certification and Watchkeeping Code³.

1.1.4 Transportation of above 12 passengers on the craft with descriptive notation **Crew boat** in class notation is not permitted.

1.1.5 The descriptive notation **Crew boat** in class notation may be assigned to the craft under construction and in service.

1.2 Documents.

1.2.1 Documents for the craft with the descriptive notation **Crew boat** in class notation shall be issued in compliance with 1.5.1 – 1.5.4 of Part I "Classification".

High-Speed Craft Safety Certificate and Permit to Operate High-Speed Craft for the craft with the descriptive notation **Crew boat** in class notation shall not be issued.

¹ Hereinafter referred to as "these Rules".

² Hereinafter referred to as "HSC".

³ Hereinafter referred to as "the STCW Code".

2 CLASSIFICATION

2.1 Classification of the craft with the descriptive notation **Crew boat** in class notation is performed in compliance with Part I "Classification".

3 HULL STRUCTURE AND STRENGTH

3.1 The hull structure and strength of the craft with the descriptive notation **Crew boat** in class notation are covered by the applicable requirements given in Parts II "Hull" and Part XVI "Hull Structure and Strength of Glass-Reinforced Plastic Ships and Boats" of the Rules for the Classification and Construction of Sea-Going Ships¹ and in Part II "Hull Structure and Strength" of these Rules.

¹ Hereinafter referred to as "the Rules for the Classification".

4 EQUIPMENT, ARRANGEMENTS AND OUTFIT

4.1 The equipment, arrangements and outfit of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part III "Equipment, Arrangements and Outfit" applicable to the passenger craft.

5 STABILITY

5.1 The stability of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part IV "Stability" applicable to the passenger craft.

6 RESERVE OF BUOYANCY AND SUBDIVISION

6.1 The reserve of buoyancy and subdivision of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part V "Reserve of Buoyancy" applicable to the passenger craft.

7 FIRE SAFETY

7.1 Structural fire protection of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part VI "Fire Protection" applicable to the cargo craft.

7.2 Fire-fighting equipment and systems of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Section 3, Part VI "Fire Protection", therewith:

.1 the craft shall be equipped with at least one main fire pump with the capacity complying with 3.5.1, Part VI "Fire Protection";

.2 on the craft of gross tonnage 500 and over or on the craft, where the main fire pump is installed in the space not protected with fixed fire fighting system, an emergency fire pump shall be installed with the capacity of at least 15 m³/h. On board the craft of less than 500 gross tonnage the emergency fire pump is not required;

.3 the requirements of 3.9, Part VI "Fire Protection" do not apply;

.4 the requirements of 3.3, Part VI "Fire Protection" shall apply, except for:
the necessity of protecting the galleys less than 10 m² in area by the approved fixed fire fighting system;

the necessity of remote control of the fire fighting system from the wheelhouse, provided the manual control is available from the local station located in safe and easily accessible place.

7.3 The fire fighting systems of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Section 4, Part VI "Fire Protection".

7.4 The fire outfit and spare parts of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Section 5, Part VI "Fire Protection", therewith on board the craft of less than 150 gross tonnage the fireman's outfit is not required. On board the craft of 150 gross tonnage and above at least one fireman's outfit shall be provided.

8 MACHINERY INSTALLATIONS AND MACHINERY

8.1 The machinery installations of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part VII "Machinery Installations" applicable to the cargo craft.

8.2 The machinery of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part IX "Machinery" applicable to the cargo craft.

8.3 As a rule, the craft with the descriptive notation **Crew boat** in class notation shall be equipped with two independent propulsion plants having their own driving engine. The failure in operation of one engine or its auxiliary machinery shall not result in the failure of another engine and its auxiliary machinery and systems.

To determine possible installation on board the craft of one propulsion plant, the technical substantiation shall be submitted to the Register for review.

8.4 In the scope of design documentation a review of the propulsion plant and steering gear failures shall be submitted based on the safe returning to port in case of any single failure or fire in any space, as well as a list of solutions aimed at reduction of failure effects.

8.5 To restore performance of the engine and manoeuvring means, a set of spare parts and tools shall be provided on board for replacement of faulty components. In general, scope of spare parts shall meet the requirements of Section 4, Part VII "Machinery Installations" with regard to the opinion of equipment manufacturers and depending on the dimensions and particulars of the craft.

Moreover, the scope of spare parts may be modified for each particular case as may be agreed between the Register and the shipowner with regard to the anticipated conditions of the craft operation.

9 SYSTEMS AND PIPING

9.1 The systems and piping of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part VIII "Systems and Piping" applicable to the cargo ships.

10 ELECTRICAL EQUIPMENT

10.1 The electrical equipment of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part XI "Electrical Equipment" applicable to the passenger craft.

10.2 As the main source of electrical power on the craft with electrical installation of low power, it is permitted to install one generator with independent drive or accumulator batteries operating together with the attached generators. When the main power source is accumulator batteries, their capacity shall be sufficient to ensure power supply of the required electrical equipment in all modes of the craft operation with the simultaneous provision of normal habitability conditions during 8 h without recharging.

11 AUTOMATION

11.1 The means of automation of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part XV "Automation" applicable to the passenger craft.

12 MATERIALS

12.1 The materials and products subject to the Register technical supervision during their manufacture shall meet the requirements of Part XIII "Materials" of the Rules for the Classification.

13 LIFE-SAVING APPLIANCES

13.1 The life-saving appliances of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part XVI "Life-Saving Appliances" applicable to the cargo craft.

14 RADIO EQUIPMENT

14.1 The radio equipment of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part XVII "Radio Equipment".

15 NAVIGATIONAL EQUIPMENT

15.1 The navigational equipment of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part XVIII "Navigational Equipment", except of 1.2.

16 POLLUTION PREVENTION

16.1 The equipment for pollution prevention of the craft with the descriptive notation **Crew boat** in class notation shall meet the requirements of Part XX "Equipment for Pollution Prevention".

Russian Maritime Register of Shipping

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Part XXI
Craft for Personnel Transportation

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