

# RULES

## FOR THE CLASSIFICATION AND CONSTRUCTION OF FLOATING OFFSHORE OIL-AND-GAS PRODUCT UNITS

### PART IX MACHINERY

ND No. 2-020201-020-E



**St. Petersburg**  
**2022**

# **RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF FLOATING OFFSHORE OIL-AND-GAS PRODUCT UNITS**

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Rules for the Classification and Construction of Floating Offshore Oil-and-Gas Product Units (FPU) of Russian Maritime Register of Shipping (RS, the Register) have been approved in accordance with the established approval procedure. The date of coming into force of the present Rules is 1 January 2022.

The present Rules set forth specific requirements for FPU, consider the recommendations of the IMO Code for the Construction and Equipment of MODU, as adopted by the IMO Assembly on 19 October 1989 (IMO resolution A.649(16)), take account of international practice of FPU construction and operation, requirements of the rules of the IACS members, international standards, as well as experience of Russian Maritime Register of Shipping relating to the classification and construction of ships, mobile offshore drilling units and fixed offshore platforms, stated in the relevant rules.

The Rules are published in the following parts:

Part I "Classification";

Part II "Hull";

Part III "Equipment, Arrangements and Outfit";

Part IV "Stability";

Part V "Subdivision";

Part VI "Fire and Explosion 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 "General Requirements and Safety Principles".

The present Rules supplement the Rules for the Classification and Construction of Sea-Going Ships and Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units and Fixed Offshore Platforms.

**REVISION HISTORY<sup>1</sup>**

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

Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
Rules for the Classification and Construction of Floating Offshore Oil-and-Gas Production Units	The title of the Rules has been replaced by the "Rules for the Classification and Construction of Floating Offshore Oil-and-Gas Product Units"	312-09-1837c of 11.10.2022	01.11.2022
<a href="#">Annotation</a>	Annotation has been amended	312-09-1837c of 11.10.2022	01.11.2022
Part IX	Editorial amendment: term "production unit" has been replaced by the term "product unit"	—	01.11.2022

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<sup>1</sup> Amendments and additions introduced at re-publication or by new versions based on circular letters or editorial amendments.

## **1 GENERAL**

**1.1** The requirements of this Part of the Rules for the Classification and Construction of Floating Offshore Oil and Gas Product Units<sup>1</sup> apply to the machinery and equipment intended to provide operation of the floating offshore structure (FPU) and to ensure fulfillment of safety requirements.

**1.2** The above machinery and equipment are subject to the applicable requirements of Part IX "Machinery" of the Rules for the Classification and Construction of Sea-Going Ships<sup>2</sup> and Part VII "Machinery Installations and Machinery" of the Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units and Fixed Offshore Platforms<sup>3</sup>.

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<sup>1</sup> Hereinafter referred to as "the FPU Rules".

<sup>2</sup> Hereinafter referred to as "the Rules for the Classification".

<sup>3</sup> Hereinafter referred to as "the MODU/FOP Rules".

## **2 GENERAL REQUIREMENTS**

### **2.1 POWER OF MAIN MACHINERY**

**2.1** Internal combustion engines intended to operate on FPU shall meet the requirements specified in Sections 2 and 9, Part IX "Machinery" of the Rules for the Classification.

**2.2** Auxiliary machinery shall meet the requirements specified in Section 5, Part IX "Machinery" of the Rules for the Classification.

**2.3** Deck machinery shall meet the requirements specified in Section 6, Part IX "Machinery" of the Rules for the Classification.

**2.4** All the external rotating parts of machinery shall be protected with casings.

**2.5** Where the equipment with high noise level is used measures shall be taken to protect personnel from the noise.

**2.6** Machinery, equipment and pipelines with surface temperatures exceeding 220 °C shall be insulated.

### **3 ARRANGEMENT OF MACHINERY AND EQUIPMENT**

- 3.1** Installation of internal combustion engines in hazardous spaces is not allowed.
- 3.2** Arrangement of machinery and equipment shall comply with the requirements specified in Section 4, Part VII "Machinery Installations" of the Rules for the Classification.

Russian Maritime Register of Shipping

**Rules for the Classification and Construction of Floating  
Offshore Oil-And-Gas Product Units  
Part IX  
Machinery**

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