

# **RULES**

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

### **PART II HULL**

ND No. 2-020201-024-E



**St. Petersburg  
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# **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 and come into force on 1 January 2023.

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 Rules supplement the Rules for the Classification and Construction of Sea-Going Ships, the Rules for the Classification and Construction of Mobile Offshore Drilling Units and the Rules for the Classification and Construction of 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
<a href="#">Annotation</a>	Editorial amendment: references to the applicable requirements of the RS rules have been specified	—	01.09.2023
<a href="#">Paras 1.2 and 1.3</a>	Editorial amendment: references to the applicable requirements of the RS rules have been specified	—	01.09.2023

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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 REQUIREMENTS**

**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 floating offshore structures specified in 1.1.1 of Part I "Classification".

**1.2** Depending on the FPU structural type, the dimensions of hull structural members shall meet the following normative documents:

steel ship- and pontoon-shaped FPU — Part II "Hull" of the Rules for the Classification and Construction of Sea-Going Ships<sup>2</sup>;

steel semi-submersible, self-elevating, gravity (including reinforced and steel concrete), tension leg and moored FPU — Part II "Hull" of the Rules for the Classification and Construction of Mobile Offshore Drilling Units<sup>3</sup>.

The dimensions of the FPU hull structural members of other structural types shall be defined according to specifications describing operation conditions, methods for determination of external loads, design operating modes, safety factors and requirements to structural members. When developing the specifications, the requirements of the IMO Code for the Construction and Equipment of MODU (2009 MODU Code) (IMO resolution A.1023(26) with Appendices). ISO standards of 19900 series or API standards.

In case the cargo tanks are planned to be installed on FPU, the FPU structure shall meet the requirements of Part II "Gas Carrier Design" of the Rules for the Classification and Construction of Ships Carrying Liquefied Gases in Bulk and cargo tanks shall meet the requirements of Part IV "Cargo Tanks" of the Rules for the Classification and Construction of Ships Carrying Liquefied Gases in Bulk.

In case the hull of existing oil tanker or gas carrier is planned to be used as the FPU hull, the hull suitability shall be confirmed by the technical condition assessment performed in compliance with the requirements of Annex 2 of the Rules for Classification Surveys of Ships in Service.

**1.3** Materials for production of the FPU structures shall meet the requirements of Part XIII "Materials" of the Rules for the Classification and Part XIII "Materials" of the MODU Rules.

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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 Rules".

Russian Maritime Register of Shipping

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

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