

RULES

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

PART II HULL

ND No. 2-020201-020-E



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RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF FLOATING OFFSHORE OIL-AND-GAS PRODUCTION UNITS

Rules for the Classification and Construction of Floating Offshore Oil-and-Gas Production 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, Rules for the Equipment of Sea-Going Ships and Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units and Fixed Offshore Platforms.

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 REQUIREMENTS

1.1 The requirements of this Part of the Rules for the Classification and Construction of Floating Offshore Oil-and-Gas Production Units¹ 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 Ships²;

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, Construction and Equipment of Mobile Offshore Drilling Units and Fixed Offshore Platforms³.

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 Appendix 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/FOP Rules.

¹ Hereinafter referred to as "the FPU Rules".

² Hereinafter referred to as "the Rules for the Classification".

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

Russian Maritime Register of Shipping

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

FAI "Russian Maritime Register of Shipping"
8, Dvortsovaya Naberezhnaya,
191186, St. Petersburg,
Russian Federation
www.rs-class.org/en/