

RULES

FOR THE EQUIPMENT OF FLOATING OFFSHORE OIL-AND-GAS PRODUCTION UNITS

PART III RADIO EQUIPMENT

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

Rules for the Equipment 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 "Life-Saving Appliances";

Part II "Signal Means";

Part III "Radio Equipment";

Part IV "Navigational Equipment";

Part V "Equipment and Arrangements for Prevention of Pollution of the Environment".

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 GENERAL¹

1.1 The requirements of this Part apply to the radio equipment of floating offshore oil-and-gas production units (FPU) in addition to the requirements of Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships, unless otherwise specified.

¹ Application, definitions and explanations related to FPU are specified in Section 1 of Part I "Classification" of the Rules for the Classification and Construction of Floating Offshore Oil-and-Gas Production Units.

2 LIST OF RADIO EQUIPMENT

2.1 Each FPU shall be provided with radio equipment, depending on the radio equipment complement of towing or escort vessel.

Where the towing or escort vessel is equipped in accordance with the requirements of Section 2, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships, FPU shall be provided with the following radio equipment:

- .1** VHF radio installation;
- .2** MF radio installation;
- .3** VHF EPIRB or satellite EPIRB depending on the sea area;
- .4** facilities for reception of maritime safety information depending on the sea area:
NAVTEX service receiver,
EGC receiver,
HF direct-printing radiotelegraph receiver.

Where the towing or escort vessel is not equipped in accordance with the requirements of Section 2, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships, FPU shall be provided with the full list of radio equipment meeting the requirements of Section 2, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships.

2.2 When FPU is in tow mode with no persons on board, the radio equipment specified in [2.1](#) may not be installed.

2.3 FPU in operating or severe storm condition shall be provided with the main and duplicating radio equipment. Completion of such equipment shall be determined in accordance with 2.6.3 and Table 2.2.1, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships, depending on the sea area of the FPU location.

2.4 Each FPU served by helicopters shall be provided with the two-way VHF radiotelephone apparatus for communication with aircrafts.

2.5 Each FPU shall be provided with effective means of communication between the main machinery control room and any station or stations, which have means of radio equipment control.

2.6 FPU shall be fitted with a security alarm system.

2.7 All FPU radio equipment shall meet the technical requirements given in Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships.

2.8 The radio equipment installed in hazardous zones or being portable shall be of intrinsically safe type.

3 RADIO EQUIPMENT ARRANGEMENT

3.1 The control of radio equipment shall be carried out from the position where FPU is routinely controlled when in tow, and where a constant watch is kept while FPU is under operating or severe storm condition.

3.2 The duplicating radio equipment shall be arranged in a space, placed as far as possible from the location of the main radio equipment so that no single accident in any part of FPU could disable all means of radio communications.

3.3 If under operational conditions of FPU the acoustic noise level in spaces fitted with radio equipment is high and may interfere in the proper use of radio equipment, then the relevant noise protection shall be provided.

4 AERIALS

- 4.1** Transmitting aerials shall be located outside hazardous zones.
- 4.2** All transmitting and receiving aerials shall not be within 9 m from cargo crane booms and other high metal structures, which can give rise to screening effect.

Russian Maritime Register of Shipping

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Part III
Radio Equipment**

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