

RULES

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

PART IV NAVIGATIONAL EQUIPMENT

ND No. 2-020201-021-E



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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 FPU navigational equipment and supplement the requirements of Part V "Navigational Equipment" of the Rules for the Equipment of Sea-Going ships.

1.2 The FPU navigational equipment shall be installed in such a number and to have such technical performance as to ensure:

- .1** determination of its own position and observation of surrounding conditions;
- .2** the independent navigational support of a self-propelled FPU in sea transit while following to the operational location.

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 NAVIGATIONAL EQUIPMENT

2.1 Depending on the group to which the particular FPU is related, it shall be provided with the navigational equipment in accordance with [Table 2.1](#).

Table 2.1

Nos	Item	Quantity in groups	
		Self-propelled	Non-self-propelled
1	Standard magnetic compass	1	–
2	Steering magnetic compass installed at the main steering position	1	–
3	Gyrocompass	1	–
4	Dynamic pressure log, induction log or other of a ground type	1	–
5	Echo sounder	1	–
6	Automatic identification system (AIS) equipment	1	1
7	Radionavigation system/systems receiver	1	1
8	Hand lead	1	–
9	Navigational sextant	1	–
10	Chronometer	1	–
11	Stopwatch	2	1
12	Prismatic binocular	3	2
13	Anemometer	1	1
14	Barometer	2	1
15	Inclinometer	2	2
16	Sea water and air temperature indicator	1	1
17	Wave parameters indicator	1	1
18	Sea current speed and direction indicator	1	1
19	Radar station	1	1

2.2 The self-propelled FPU engaged on international voyages and constructed on or after 31 December 2008 shall be equipped with the system of long-range identification and tracking of ships (LRIT system).

The self-propelled FPU engaged on international voyages, constructed before 31 December 2008 and intended for navigation in sea areas A1 and A2 or in sea areas A1, A2 and A3, shall be equipped with LRIT system not later than the first survey of the radio installation after 31 December 2008.

The self-propelled FPU engaged on international voyages, constructed before 31 December 2008 and intended for navigation in sea areas A1, A2, A3 and A4 shall be equipped with LRIT system not later than the first survey of the radio installation after 1 July 2009. However, whilst these self-propelled FPU operate within sea areas A1, A2 and A3 they shall be equipped with LRIT system not later than the first survey of the radio installation after 31 December 2008.

LRIT system is not obligatory for FPU, irrespective of the date of construction, fitted with an automatic identification system (AIS) and intended to operate exclusively within sea area A1.

3 NAVIGATIONAL EQUIPMENT ARRANGEMENT

3.1 The navigational devices listed in [Table 2.1](#) shall be installed in the control station.

3.2 The navigational equipment shall not be installed in hazardous spaces and areas, unless it is of the appropriate intrinsically safe type.

Russian Maritime Register of Shipping

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Part IV
Navigational Equipment**

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