

RULES

FOR THE CLASSIFICATION AND CONSTRUCTION OF MOBILE OFFSHORE DRILLING UNITS

PART XIX NAVIGATIONAL EQUIPMENT

ND No. 2-020201-026-E



**St. Petersburg
2023**

RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF MOBILE OFFSHORE DRILLING UNITS

Rules for the Classification and Construction of Mobile Offshore Drilling Units (the MODU Rules) 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 September 2023.

The present Rules are based on the latest version of the Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units and Fixed Offshore Platforms, 2022, taking into account the amendments and additions developed immediately before publication.

The procedural requirements, unified requirements, unified interpretations and recommendations of the International Association of Classification Societies (IACS) and the relevant resolutions of the International Maritime Organization (IMO) have been taken into consideration.

The Rules set down specific requirements for MODU, consider the recommendations of the Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009 (2009 MODU Code) (IMO resolution A.1023(26), as amended) and supplement the Rules for the Classification and Construction of Sea-Going Ships and the Rules for the Equipment of Sea-Going Ships.

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 Protection";

Part VII "Machinery Installations and Machinery";

Part VIII "Systems and Piping";

Part IX "Boilers, Heat Exchangers and Pressure Vessels";

Part X "Electrical Equipment";

Part XI "Refrigerating Plants";

Part XII "Materials";

Part XIII "Welding";

Part XIV "Automation";

Part XV "Safety Assessment";

Part XVI "Signal Means";

Part XVII "Life-Saving Appliances";

Part XVIII "Radio Equipment";

Part XIX "Navigational Equipment";

Part XX "Equipment for Prevention of Pollution".

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

1.1 APPLICATION

1.1.1 The requirements of this Part of the MODU Rules apply to navigational equipment which is subject to survey by the Register and intended for installation on board MODU.

1.2 DEFINITIONS AND EXPLANATIONS

1.2.1 The definitions and explanations relating to general terminology are given in the General Regulations for the Classification and Other Activity and in Part I "Classification" of the MODU Rules.

1.2.2 The definitions and explanations relating to navigational equipment are given in Chapter V of SOLAS 74 with account of Appendix 3 to the Guidelines on the Application of Provisions of Chapter V of the International Convention for the Safety of Life at Sea (SOLAS 74).

2 LIST OF MODU NAVIGATIONAL EQUIPMENT

2.1 GENERAL

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

.1 determination of its own position on a drilling location and observation of surrounding conditions;

.2 the independent navigational support of a self-propelled MODU in sea transit while following to a drilling location and coming back to the port.

2.2 LIST OF MODU NAVIGATIONAL EQUIPMENT

2.2.1 Each self-propelled MODU, depending on its gross tonnage shall be fitted with navigational equipment in accordance with the requirements of Chapter V of SOLAS 74 with account of Appendix 2 to the Guidelines on the Application of Provisions of Chapter V of the International Convention for the Safety of Life at Sea (SOLAS 74). The non-self-propelled MODU shall be fitted with navigational equipment in accordance with [Table 2.2.1](#).

MODU constructed after 1 July 1994 and fitted with the 2nd and 3rd class dynamic positioning systems shall have means for the receipt of information from at least three positioning systems based on different principles. The drilling units provided with the 2nd class dynamic positioning systems shall be fitted with three gyrocompasses.

Table 2.2.1

Nos.	Item	Quantity
1	AIS (automatic identification system)	1
2	EPFS (electronic position fixing system) receiver	1
3	Radar	1
4	Ship's meteorological complex ¹	1

¹ Ship's meteorological complex shall be equipped with sensors capable of providing continuous monitoring of the following parameters:

- .1 atmospheric pressure;
- .2 air temperature;
- .3 relative air humidity;
- .4 apparent and true wind directions;
- .5 apparent and true wind velocity.

If the MODU is fitted with a helideck, the meteorological complex shall additionally include sensors capable of providing measurement of:

- meteorological optical visibility range;
- cloud base.

2.2.2 The self-propelled MODU engaged on international voyages shall be equipped with the system of long-range identification and tracking of ships (LRIT).

LRIT system is not obligatory for MODU, 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 All the navigational devices listed in [Table 2.2.1](#) shall be installed in the control station.

The navigational equipment fed by electric power 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 XIX
Navigational Equipment**

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