

RULES

FOR THE CLASSIFICATION AND CONSTRUCTION OF MOBILE OFFSHORE DRILLING UNITS

PART XIX

NAVIGATIONAL EQUIPMENT

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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 HISTORY¹

Item	Description	Remarks
Para 1.2.2	Reference to the applicable definitions has been updated	Editorial amendment of 01.07.2025
Para 2.2.1	The requirement for MODUs equipped with dynamic positioning systems has been deleted to avoid duplication of provisions in Part XIV "Automation"	Editorial amendment of 05.05.2026
Table 2.2.1, Item 1	The equipment name has been specified	Editorial amendment of 01.07.2025

¹ With the exception of amendments and additions introduced by Rule Change Notices (RCN), as well as of misprints and omissions.

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 2¹ to the Guidelines on the Application of Provisions of Chapter V of the International Convention for the Safety of Life at Sea (SOLAS-74).

¹ Appendix 3 for versions of the Guidelines on the Application of Provisions of Chapter V of the International Convention for the Safety of Life at Sea (SOLAS-74) from 01.01.2025 and earlier.

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 1¹ 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](#).

Table 2.2.1

Nos.	Item	Quantity
1	Class A shipborne equipment of the automatic identification system (AIS)	1
2	EPFS (electronic position fixing system) receiver	1
3	Radar	1
4	Ship's meteorological complex ¹	1
<p>¹ Ship's meteorological complex shall be equipped with sensors capable of providing continuous monitoring of the following parameters:</p> <ul style="list-style-type: none"> .1 atmospheric pressure; .2 air temperature; .3 relative air humidity; .4 apparent and true wind directions; .5 apparent and true wind velocity. <p>If the MODU is fitted with a helideck, the meteorological complex shall additionally include sensors capable of providing measurement of:</p> <ul style="list-style-type: none"> 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**.

¹ Appendix 2 for versions of the Guidelines on the Application of Provisions of Chapter V of the International Convention for the Safety of Life at Sea (SOLAS-74) from 01.01.2025 and earlier.

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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