

RULES

FOR THE CLASSIFICATION, CONSTRUCTION AND EQUIPMENT OF MOBILE OFFSHORE DRILLING UNITS AND FIXED OFFSHORE PLATFORMS

PART XVIII RADIO EQUIPMENT

ND No. 2-020201-019-E



**St. Petersburg
2022**

RULES FOR THE CLASSIFICATION, CONSTRUCTION AND EQUIPMENT OF MOBILE OFFSHORE DRILLING UNITS AND FIXED OFFSHORE PLATFORMS

Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units (MODU) and Fixed Offshore Platforms of (FOP) 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 July 2022.

The present edition of the Rules is based on the 2018 edition taking into account the amendments and additions developed before publication.

The Rules set down specific requirements for MODU and FOP, consider the recommendations of the Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU Code), as adopted by the IMO Assembly on 2 December 2009 (IMO resolution A.1023(26)).

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 are published in the following parts:

Part I "Classification";

Part II "Hull";

Part III "Equipment, Arrangements and Outfit of MODU/FOP";

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 "MODU and FOP 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".

These Rules supplement the Rules for the Classification and Construction of Sea-Going Ships and the Rules for the Equipment of Sea-Going Ships.

REVISION HISTORY¹

(purely editorial amendments are not included in the Revision History)

Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
Para 2.2.1	Editorial amendment: reference has been specified in connection with coming into force of the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)	—	01.01.2023
Para 2.2.2	Editorial amendment: references have been specified in connection with coming into force of the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)	—	01.01.2023
Para 2.2.3	Editorial amendment: reference has been specified in connection with coming into force of the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)	—	01.01.2023
Para 2.2.7	Editorial amendment: reference has been specified in connection with coming into force of the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)	—	01.01.2023

¹ Amendments and additions introduced at re-publication or by new versions based on circular letters or editorial amendments.

1 GENERAL

1.1 APPLICATION

1.1.1 The requirements of the Part apply to the radio equipment which is subject to survey by the Register and intended for installation on board MODU/FOP in addition to the requirements of Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships.

2 FITTING OF MODU/FOP WITH RADIO EQUIPMENT

2.1 MODU/FOP SUBDIVISION INTO GROUPS

2.1.1 To define the standard complement of radio equipment, all MODU/FOP are subdivided into three groups:

- .1** self-propelled MODU when under way or accompanied;
- .2** non-self-propelled MODU when towed;
- .3** MODU/FOP under operational or severe storm conditions.

2.2 LIST OF RADIO EQUIPMENT

2.2.1 Depending on the sea area, each MODU of the 1st group shall be provided with radio equipment in accordance with the requirements of Table 2.3 of the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74)¹.

2.2.2 Each MODU/FOP of the 2nd group with people on board shall be provided with radio equipment depending on the radio equipment complement of towing or escorting ship¹.

Where the towing or escorting ship is equipped in accordance with the requirements of Table 2.3 of the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74), the MODU/FOP shall be provided with the following radio equipment:

- .1** VHF radio installation;
- .2** float-free satellite EPIRB operating in the COSPAS-SARSAT system;
- .3** facilities for reception of marine safety information depending on the sea area
NAVTEX service receiver (in areas within coverage of International NAVTEX Service);
EGC receiver (in areas within coverage of geostationary INMARSAT satellites, in the areas not covered by the international NAVTEX service);
HF direct-printing radiotelegraph receiver (in areas wherein maritime safety information is transmitted only with the use of HF direct-printing radiotelegraph apparatus);
- .4** MF radio installation (for sea area A2).

Where the ship towing or escorting the MODU/ FOP 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, the MODU/FOP shall be provided with full list of radio equipment complying with the requirements of Table 2.3 of the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74).

MODU/FOP of the 2nd group without people on board may not be provided with radio equipment.

2.2.3 Each MODU/FOP of the 3rd group shall be provided with the main and duplicating radio equipment. The list of the main and duplicating radio equipment shall be determined in accordance with Table 2.3 of the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74) depending on the sea area in which the MODU/FOP stays¹.

2.2.4 Each MODU/FOP serviced by helicopters shall be provided with the two-way VHF radiotelephone apparatus for communication with aircraft.

2.2.5 Each MODU/FOP shall be provided with effective means of communication between the main machinery control room, navigating bridge (if any) and any station or stations, which have means of radio equipment control.

2.2.6 MODU/FOP shall be fitted with the security alarm system.

2.2.7 All the MODU/FOP radio equipment shall meet the technical requirements given in Appendix 3 to the Guidelines on the Application of Provisions of Chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74).

¹ The conditions for equipping ships with survival craft search and rescue locating devices and two-way VHF radiotelephone apparatus are set out in Section 9, Part XVII "Life-Saving Appliances".

3 RADIO EQUIPMENT ARRANGEMENT

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

3.2 The duplicating radio equipment of the 3rd MODU/FOP group shall be arranged in a space, which can be navigating bridge or an emergency control room, placed as far as possible from the location of the main radio equipment so that no single accident in any part of the MODU/FOP could disable all the means of radio communications.

3.3 If under operational conditions of the MODU/FOP 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 a drilling derrick, cargo crane booms and other high metal structures, which can give rise to screening effect.

Russian Maritime Register of Shipping

**Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units
and Fixed Offshore Platforms
Part XVIII
Radio Equipment**

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