



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 313-14-1847c

dated 08.11.2022

Re:

amendments to the Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units and Fixed Offshore Platforms, 2022, ND No. 2-020201-019-E

Item(s) of supervision:

ships under construction

Entry-into-force date:

01.01.2023

Cancels / amends / adds Circular Letter No.

dated

Number of pages: 1 + 4

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part VI "Fire Protection"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that in connection with implementation of IACS Unified Requirement (UR) D11 (Rev.4 Dec 2021), the Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units and Fixed Offshore Platforms shall be amended as specified in the Appendices to the Circular Letter.

It is necessary to do the following:

1. Bring the content of the Circular Letter to the notice of the RS surveyors, interested organizations and persons in the area of the RS Branch Offices' activity.
 2. Apply the provisions of the Circular Letter during review and approval of the technical documentation on ships contracted for construction or conversion on or after 01.01.2023, in the absence of a contract, during review and approval of the technical documentation on ships requested for review on or after 01.01.2023.
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List of the amended and/or introduced paras/chapters/sections:

Part VI: paras 1.3.1, 2.4.4, 3.1.8, 3.1.9, 3.2.1, 3.2.5, 3.2.16.2, 3.5.1, 4.3.1.1 and 6.4

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**Information on amendments introduced by the Circular Letter
(for inclusion in the Revision History to the RS Publication)**

Nos.	Amended paras/chapters/ sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
1	Part VI, para 1.3.1	Requirements for fire plans have been specified in connection with implementation of IACS UR D11 (Rev.4 Dec 2021)	313-14-1847c of 08.11.2022	01.01.2023
2	Part VI, para 2.4.4	Reference has been specified	313-14-1847c of 08.11.2022	01.01.2023
3	Part VI, para 3.1.8	Requirements for pressure water-spraying systems have been specified in connection with implementation of IACS UR D11 (Rev.4 Dec 2021)	313-14-1847c of 08.11.2022	01.01.2023
4	Part VI, para 3.1.9 (new para 3.2.15.7)	Requirements have been specified, para has been renumbered	313-14-1847c of 08.11.2022	01.01.2023
5	Part VI, para 3.2.1	Requirements for arrangement of fire pumps of the water fire main system have been specified in connection with implementation of IACS UR D11 (Rev.4 Dec 2021)	313-14-1847c of 08.11.2022	01.01.2023
6	Part VI, para 3.2.5	Requirements for arrangement of fire hose nozzles of the water fire main system have been specified in connection with implementation of IACS UR D11 (Rev.4 Dec 2021)	313-14-1847c of 08.11.2022	01.01.2023
7	Part VI, para 3.2.16.2	Requirements for water supply of the water fire main system have been specified in connection with implementation of IACS UR D11 (Rev.4 Dec 2021)	313-14-1847c of 08.11.2022	01.01.2023
8	Part VI, para 3.5.1	Requirements for monitors protecting the drill floor have been specified in connection with implementation of IACS UR D11 (Rev.4 Dec 2021)	313-14-1847c of 08.11.2022	01.01.2023
9	Part VI, para 4.3.1.1	Requirements for fixed combustible gas detection and alarm system have been specified in connection with implementation of IACS UR D11 (Rev.4 Dec 2021)	313-14-1847c of 08.11.2022	01.01.2023
10	Part VI, para 6.4	Requirements for spaces used for storage of flammable liquids have been specified	313-14-1847c of 08.11.2022	01.01.2023

**RULES FOR THE CLASSIFICATION, CONSTRUCTION AND EQUIPMENT
OF MOBILE OFFSHORE DRILLING UNITS AND FIXED OFFSHORE
PLATFORMS, 2022,**

ND No. 2-020201-019-E

PART VI. FIRE PROTECTION

1 GENERAL

1 **Para 1.3.1** is replaced by the following text:

"1.3.1 At the central control station or in conspicuous positions in corridors and lobbies of MODU/FOP, there shall be exhibited general arrangement plans clearly showing the following for each deck:

- .1** location of control stations;
- .2** arrangement of fire-resisting and fire-retarding divisions;
- .3** spaces protected by automatic fire detectors and manual fire alarm stations of fire detection and fire alarm system;
- .4** spaces protected by automatic gas detectors of the combustible gas detection and alarm system (hydrocarbon gases, hydrocarbon fluid vapours);
- .5** spaces protected by automatic hydrogen sulphide gas detectors of hydrogen sulphide detection and alarm system;
- .6** location of respiratory protection equipment for hydrogen sulphide;
- .7** general alarm actuating positions;
- .8** arrangement of fire extinction stations, fixed fire extinguishing appliances, fire pumps, hydrants, section valves of fire extinguishing system, nozzles of pressure water-spraying systems and sprinklers of sprinkler system (if installed), valve remote controls of fire extinguishing systems, fire pumps, as well as remote controls of fire extinguishing system activation; spaces protected by fixed fire extinguishing systems;
- .9** locations of fighter's outfits;
- .10** location of helicopter crash kit;
- .11** location of other fire-fighting outfits;
- .12** location of emergency shutdown (engine shutdown, pump shutdown, oil fuel source shutdown, etc.) stations;
- .13** ventilating system, including position of closing appliances for ventilation inlets and outlets, fire dampers, fire damper and ventilating controls of fire dampers with indication of identification numbers of ventilating fans serving the groups of spaces enclosed by fire structures;
- .14** arrangement of fire/watertight doors and their remote controls;
- .15** location of blowout preventer control stations;
- .16** escape route and means of access to different compartments, decks, etc.;
- .17** locations of emergency escape breathing devices (EEBD);
- .18** arrangement of emergency muster stations and life-saving appliances; and
- .19** location of documents referred to in 1.3.6."

2 STRUCTURAL FIRE PROTECTION

2 **Para 2.4.4** is replaced by the following text:

"2.4.4 Fire-extinguishing arrangements for the protection of spaces for electric welding operations shall comply with the requirements of item 4.13 of Table 5.1.2, Part VI "Fire Protection" of the Rules for the Classification. Fire-extinguishing arrangements for the protection of areas or spaces on open deck where such cylinders are stored shall be to the satisfaction of the Register."

3 FIRE-FIGHTING EQUIPMENT AND SYSTEMS

3 **Para 3.1.8** is replaced by the following text:

"3.1.8 Instead of pressure water-spraying systems with the minimum water rate 20,4 l/min per m² required to protect the drilling area, process equipment area, oil and gas collectors area, mud circulation and treatment area, piping containing oil and gases, compressed gas cylinders (oxygen, acetylene), etc., located on open deck, two dual-purpose (jet/spray) fire monitors may be used in accordance with 3.5.1.

Foam extinguishing system shall be provided for operation in drilling mud treatment area. The system shall be capable of delivering foam solution at a rate of not less than 6,5 l/min per m² (4,1 l/min per m² for aqueous film-forming foam concentrate (AFF) or film-forming fluoroprotein foam concentrate (FFFP)) for 15 min.

Alternatively, a fixed gas fire extinguishing system may be used for enclosed mud treatment spaces."

4 **Para 3.1.9** is replaced by the following text:

"3.2.15.7 The MODU/FOP shall be provided with at least one international shore connection complying with the provisions of 5.1.8, Part VI "Fire Protection" of the Rules for the Classification. Facilities shall be available on the main line enabling such a connection to be used on any side of the MODU/FOP."

5 **Para 3.2.1** is replaced by the following text:

"3.2.1 Two water supply sources (sea chests, valves, strainers and pipes) shall be provided and so arranged that one water supply source failure shall not put the other supply source out of action.

At least two independently driven fire pumps shall be provided, each arranged to draw water from its own sea valve and discharge into a fixed fire main. A fire or flooding in any one compartment shall not put all fire pumps out of action.

Each of the fire pumps shall have a minimum capacity of 60 m³/h.

However, in units with high suction lifts, booster pumps may be installed, provided such arrangements will satisfy the requirements of 3.2.2 — 3.2.9."

6 **Para 3.2.5** is replaced by the following text:

"3.2.5 Each pump shall be capable of delivering at least two jets of water simultaneously from any two fire hydrants through nozzles of minimum diameter of 12 mm for accommodation and service spaces and maximum diameter of 19 mm for machinery and exterior spaces (for example, open decks) while maintaining a minimum pressure of 0,35 MPa at hydrants.

Where a foam system is provided for the protection of the helideck, the pumps shall be capable of maintaining a minimum pressure of 0,7 MPa at the foam installation.

If the water consumption for any other fire protection or fire-fighting purpose exceeds the rate of the helideck foam installation, this consumption shall be the determining factor in calculating the required capacity of the fire pumps."

7 **Para 3.2.16.2** is replaced by the following text:

".2 water shall be supplied from drill water system while self-elevating unit lifting or lowering. Water is stored in the drill water tanks with capacity of not less than 40 m³ plus engine cooling water consumptions before unit lifting or lowering. Alternatively, water may be supplied from buffer tank(s) in which sea water stored is not less the quantity as the above mentioned."

8 **Para 3.5.1** is replaced by the following text:

3.5.1 The drill floor shall be protected by a fixed pressure water-spraying system designed to provide a minimum water application rate of 20,4 l/m²/min to the drill floor and related equipment, including emergency shutdown equipment, critical structural components, and enclosure fire barriers.

Alternatively, multiple fixed monitors discharging at a minimum flow rate and pressure 1900 l/min at 1 MPa may be provided and arranged such that all areas and equipment can be reached by at least two monitors which are widely separated.

The monitors may be operated either remotely or locally. The monitor arranged for local operation shall be sited on an accessible protected position."

9 **Para 4.3.1.1** is replaced by the following text:

4.3.1.1 Fixed combustible gas detection and alarm systems shall be provided to protect the following areas:

- .1 cellar deck;
- .2 drill floor;
- .3 ventilation intake of positive pressure explosion-proof driller's cabin;
- .4 mud pit area;
- .5 shale shaker area;
- .6 enclosed spaces containing the open components of mud circulation system from the bell nipple to the mud pits;
- .7 ventilation intakes of accommodation spaces;
- .8 ventilation intakes of enclosed machinery spaces contiguous to hazardous areas and containing internal combustion engines, boilers, or non-explosion proof electrical equipment;
- .9 air intakes to all combustion engines or machinery, including internal combustion engines, boilers, compressors or turbines, located outside of an enclosed machinery space;
- .10 at each access (door) to accommodation spaces except for access doors forming part of an air-lock which is provided with a gas detection and alarm system;
- .11 near other openings, including emergency egress, of accommodation spaces, regardless if these openings are fitted with self-closing and gastight closing appliances except for emergency egress doors which are fitted with a mechanism to prevent use other than in an emergency (e.g. doors fitted with security seals acting as a deterrent but easily breakable in a real emergency) as well as except for openings which are designed for maintenance and provided with closing appliances of non-opening type, e.g. bolted closed maintenance ways, etc."

6 DANGEROUS GOODS

10 **Para 6.4** is replaced by the following text:

6.4 Flammable liquids which give off dangerous vapours and flammable gases shall be stored in a well-ventilated space (the requirements of 2.1.5.3, Part VI "Fire Protection" of the Rules for the Classification and Construction of Sea-Going Ships shall be fulfilled as well) or on open deck."