



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-23-1893c

dated 14.02.2023

Re:

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

Item(s) of supervision:

fixed explosive gas detection and alarm system, spaces of emergency sources of electrical power

Entry-into-force date:

From the date of publication

Cancels / amends / adds Circular Letter No. _____

dated _____

Number of pages: 1 + 2

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part X "Electrical Equipment"

Acting Director General

Sergey A. Kulikov

Text of CL:

We hereby inform that the Rules for the Classification, Construction and Equipment of MODU/FOP 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, as well as 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 MODU and FOP requested for review before the entry-into-force date of publication of amendments.
 3. Apply the provision of the Circular Letter during review and approval of the technical documentation on MODU and FOP contracted for construction or conversion on or after 14.02.2023, in the absence of a contract for construction, in accordance with 5.10, Part II "Technical Documentation" of the Rules for the Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships starting from 14.02.2023.
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List of the amended and/or introduced paras/chapters/sections:

Part X: paras 7.9.1 — 7.9.5 and 9.2.3

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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 | Para 7.9.1 | Requirements for availability of both fixed explosive gas detection and alarm system, and hydrogen sulphide detection and alarm system have been aligned with the provisions of Part VI "Fire Protection" | 315-23-1893c of 14.02.2023 | 14.02.2023 |
| 2 | Para 7.9.2 | Functional requirements for systems have been specified considering Part VI "Fire Protection" | 315-23-1893c of 14.02.2023 | 14.02.2023 |
| 3 | Para 7.9.3 | Para has been revised; requirements for disconnection of gas analyzer or section have been partially transferred from existing para 7.9.2 | 315-23-1893c of 14.02.2023 | 14.02.2023 |
| 4 | Para 7.9.4 | Requirements for automatic system for the shutdown of the equipment have been specified considering Part VI "Fire Protection" | 315-23-1893c of 14.02.2023 | 14.02.2023 |
| 5 | Para 7.9.5 | Editorial amendment has been introduced to align with the new requirements for systems in para 7.9.1 | 315-23-1893c of 14.02.2023 | 14.02.2023 |
| 6 | Para 9.2.3 | Requirements to the location of spaces of emergency sources of electrical power have been specified considering Part XI "Electrical Equipment" of the Rules for the Classification and Construction of Sea-Going Ships and MODU Code 2009 | 315-23-1893c of 14.02.2023 | 14.02.2023 |

**RULES FOR THE CLASSIFICATION, CONSTRUCTION AND EQUIPMENT OF
MOBILE OFFSHORE DRILLING UNITS AND FIXED OFFSHORE PLATFORMS
(MODU/FOP), 2022,**

ND No. 2-020201-019-E

PART X. ELECTRICAL EQUIPMENT

7 INTERNAL COMMUNICATION AND ALARMS

1 **Paras 7.9.1 — 7.9.5** are replaced by the following text:

7.9.1 Fixed detection and alarm systems for flammable gases (oil gases and vapours) and hydrogen sulphide shall be provided at the unit's bridge or main control station to continuously monitor prescribed areas and spaces (as specified below) of the unit in which a dangerous accumulation of explosive gas mixture may be expected to occur. The back-up panels of such fixed explosive gas detection and alarm systems shall be fitted at the unit's reserve (emergency) control station. The systems shall be capable of indicating on call the value of monitored explosive gas mixture concentration.

7.9.2 Functional requirements for such systems, including alarm levels, types of alarms, spaces they lead to, places for detectors of gas concentration (gas analyzers) are specified in 4.3, Part VI "Fire Protection".

If the signal of explosive gas (hydrogen sulphide) concentration has not been received (acknowledged) in the indicating unit within 2 min, the signal "GAS" shall be automatically put out to the general alarm system.

7.9.3 Provision shall be made for an opportunity to disconnect any individual gas analyzer or section from the main control station. In doing so, a visual alarm indicating the disconnected gas analyzer or section shall be activated at the central station.

7.9.4 The automatic system for the shutdown of non-explosion proof type electrical equipment shall be provided to be activated when:

explosive gases concentration specified in 4.3.2.1, Part VI "Fire Protection" reaches 60 % of LEL; or

explosive gases concentration is detected in inlets of the air ducts directing air into non-hazardous zones.

The logic of automatic system for the shutdown of non-explosion proof type of the electrical equipment shall be consistent with the dynamic positioning system commands in case the latter is used to maintain operational control over the integrity of the well.

7.9.5 Power supply of an explosive gas detection and alarm systems shall be effected from the main and emergency sources of electrical power, or from the uninterrupted power supply system as specified in 4.2."

2 **Para 9.2.3** is replaced by the following text:

9.2.3 Spaces containing emergency sources of electrical power, pertinent transformers, transitional sources of electrical power, an emergency switchboard and emergency lighting switchboard shall not be adjacent to machinery and boiler spaces and to spaces of the main source of electrical power, pertinent transformers, and the main switchboard.

Where adjacent arrangement is unavoidable, the decks and bulkheads separating these spaces shall be constructed in accordance with the requirements of Part VI "Fire Protection" relating to control stations."