



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 322-04-1155c

dated 23.07.2018

Re:

amendments to the Guidelines on Technical Supervision during Construction of Mobile Offshore Drilling Units and Fixed Offshore Platforms and Manufacture of Materials and Products, 2015, ND No. 2-030201-001-E in connection with entering into force of the Guidelines on Technical Supervision during Construction of Ships, 2018

Item(s) of supervision:

mobile offshore drilling units (MODU) and fixed offshore platforms (FOP)

Implementation:

from the date of publication

Valid till:

-

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Cancels / amends / adds Circular Letter No.

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Number of pages:

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Appendix(ces):

text of amendments to the Guidelines on Technical Supervision during Construction of Mobile Offshore Drilling Units and Fixed Offshore Platforms and Manufacture of Materials and Products

Acting Director General

Sergey A. Kulikov

Text of CL:

We hereby inform that in connection with entering into force of the Guidelines on Technical Supervision during Construction of Ships, the Guidelines on Technical Supervision for Construction of Mobile Offshore Drilling Units and Fixed Offshore Platforms in Service and Manufacture of Materials and Products shall be amended as specified in the Appendix to the Circular Letter. The above amendments will be introduced to the Guidelines at their republication.

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 provisions of the Circular Letter during surveys.

List of ND amended and introduced paras/chapters/sections (to specify in the List of Circular Letters (form 8.3.36)):

Part I: para 2.1;

Part II: Section 3 of the Appendix;

Part III: paras 2.1.1, 2.2, 2.3, 2.4.2, 2.4.3.6, 2.4.3.9.1, 2.5.1, 2.5.2, 2.7, 2.8, 3.1.1, 4.1.1, 4.1.2, 4.2.1.1, 5.1.1, 5.2.6.9, 5.2.6.10, 5.2.7.1 - 5.2.7.3, 5.2.8.2, 5.2.8.3, 5.2.11.1, 6.1.3, 6.2.2.1-6.2.2.11, 6.2.3.2-6.2.3.7, 7.1.1, 7.3.1, 7.4.1, 7.4.3.1, 8.1.1, 9.1.1, 9.2.2, 9.2.3.1-9.2.3.3, 10.1.1, 11.1.1-11.1.3, 12.1.1

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**GUIDELINES ON TECHNICAL SUPERVISION DURING CONSTRUCTION OF MOBILE
OFFSHORE DRILLING UNITS AND FIXED OFFSHORE PLATFORMS AND MANUFACTURE
OF MATERIALS AND PRODUCTS, 2015,**

ND No. 2-030201-001-E

PART I. GENERAL REGULATIONS FOR TECHNICAL SUPERVISION

2 NOMENCLATURE OF ITEMS OF TECHNICAL SUPERVISION

Para 2.1 shall be amended to read:

"**2.1** In compliance with the MODU/FOP Rules, the Register carries out technical supervision during manufacture, installation and testing of the MODU/FOP items of technical supervision and brand these items. These items are given in the Nomenclature of Items of Technical Supervision⁴ (Appendix 1 to Part I "General Regulations for Technical Supervision" of the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships⁵) and in Table 2.5.1 of the Guidelines on Technical Supervision during Construction of Ships⁶."

The para shall be supplemented by Footnote 6 reading as follows:

"⁶Hereinafter referred to as "the Guidelines on Technical Supervision."

PART II. TECHNICAL DOCUMENTATION

The text of Footnote to the heading of Section 3 of the Appendix shall be amended to read:

"¹ The category (grade) of the materials used and the normative documents for their manufacture shall be specified in drawings of hull structures according to Part XIII "Materials" of the applicable Rules for the Classification and Construction of Sea-Going Ships."

**PART III. TECHNICAL SUPERVISION DURING MANUFACTURE OF MATERIALS AND
PRODUCTS AND CONSTRUCTION OF MODU AND FOP**

2 HULL

Para 2.1.1. The first paragraph shall be amended to read:

"**2.1.1** Provisions of this Section supplement the requirements of Section 2, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and Section 2 of the Guidelines on Technical Supervision regarding the procedure, methods and scope of technical supervision during manufacture and installation of MODU/FOP hull structures."

Paras 2.2 and 2.3 shall be amended to read:

"2.2 Surveys.

2.2.1 Checks, control and inspections performed in the course of technical supervision during manufacture of hull structures are given in Table 2.5.1 of the Guidelines on Technical Supervision.

2.2.2 If the blocks and module blocks are manufactured and assembled at the same shipyard, technical supervision during hull construction shall be performed according to Section 2 of the Guidelines on Technical Supervision.

2.2.3 When carrying out survey of the MODU/FOP specific hull structures, the RS surveyor shall follow the requirements in 2.5 of the Guidelines on Technical Supervision with regard to the following:

.1 when verifying technical documents, a set of the approved technical documentation on the item of technical supervision shall be submitted to the RS surveyor in compliance with Part I "Classification" of the MODU/FOP Rules;

.2 the minimum scope of non-destructive testing of welds shall be specified in compliance with Section 3, Part XIII "Welding" of the MODU/FOP Rules. The welded joints of primary and special structural members which provide no access for inspection or may be difficult to be tested during the MODU/FOP operation, shall be subject to non-destructive testing in the full scope;

.3 items shall be tested for tightness according to 2.12.6 of the Guidelines on Technical Supervision and Annex 1 to this Part.

2.3 Documents.

2.3.1 When carrying out technical supervision of the MODU/FOP specific items, the RS surveyor shall follow the requirements in technical documentation in compliance with Part I "Classification" of the MODU/FOP Rules with regard to the applicable requirements in Part II "Technical Documentation" of the Rules for Technical Supervision and para 1.5 of the Guidelines on Technical Supervision."

Para 2.4.2 shall be amended to read:

"**2.4.2** When carrying out technical supervision during manufacture of the welded hull structures (units, sections, and blocks), the requirements in 2.4.3, 2.4.4 and 2.4.8 shall be met. When checking the dimensions and geometric layout of the welded hull structures (units, sections, and blocks), the requirements of Appendix 1 to Section 2 of the Guidelines on Technical Supervision with regard to Appendix 2 to this Part shall be met."

Para 2.4.3.6 shall be amended to read:

"**2.4.3.6** The RS surveyor performs a check according to 2.4.4 and 2.5.1 of the Guidelines, as well as 2.5 and Appendix 1 to Section 2 of the Guidelines on Technical Supervision."

Para 2.4.3.9.1. The first paragraph shall be amended to read:

"**2.4.3.9.1** The straightening of hull structures shall be carried out if general and local deformations during manufacture exceed the permissible values specified by the requirements of technical documentation, and given in Appendix 1 to Section 2 of the Guidelines on Technical Supervision."

Para 2.5.1. The first paragraph shall be amended to read:

"**2.5.1** Technical supervision during construction of hull or its single parts (sections, section blocks, blocks) at the building berth, during testing of compartments and spaces for tightness, check for availability of the hull or its parts for launching and surveys during hull outfitting afloat shall be performed according to the applicable requirements in Section 2 of the Guidelines on Technical Supervision with regard to the requirements in 2.2 to 2.4 of this Part and the following:"

Para 2.5.2 shall be replaced by the following para:

"**2.5.2** In addition to 2.12.9.3 of the Guidelines on Technical Supervision, when filling the hull structure volumes with concrete, the maximum permissible pouring height shall be taken into account based on provision of strength of enclosing structures (during hull design without regard

to the loads due to concrete mixture pouring), for example, when filling the volumes of inner skin, cofferdams and similar vertical volumes. When pouring, the maximum height of a "liquid layer" shall be checked (the next layer may be poured after binding of the previous concrete mix layer). Instead of weighing the concrete mixture in a measuring tank (refer to 2.12.9.3 of the Guidelines on Technical Supervision), when pouring the significant volumes of solid ballast (from ... % of lightweight displacement) the weighing of platform shall be carried out (in compliance with the Instructions on light-weight check) prior to and after pouring the concrete with due regard to changing the consumable weights during continuous pouring."

Paras 2.7 and 2.8 shall be amended to read:

"2.7 Inclining test.

2.7.1 Inclining test of MODU shall be performed according to Appendix 5 to Section 2 of the Guidelines on Technical Supervision.

2.7.2 If the MODU hull outfit and tests shall be performed not at the shipbuilder's and/or the water depth is not sufficient for inclining test at the design draught, to check the MODU stability during passage, the inclining test in transit position shall be performed. The inclining test shall be performed and the report shall be prepared in compliance with Appendix 5-1 to Section 2 of the Guidelines on Technical Supervision. Information on MODU stability being the guidance for providing the MODU stability during the passage shall be prepared based on inclining test results for MODU in transit position, and then agreed with the Register.

2.7.3 Inclining tests for drilling ships shall be performed according to Appendix 5 to Section 2 of the Guidelines on Technical Supervision.

2.8 Load Line.

2.8.1 The MODU load line shall be surveyed by the RS surveyor according to 2.12.10 of the Guidelines on Technical Supervision."

3 EQUIPMENT, ARRANGEMENTS AND OUTFIT

Para 3.1.1 shall be amended to read:

"3.1.1 Unless otherwise provided in this Part, all the requirements of Section 3, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and Section 3 of the Guidelines on Technical Supervision shall apply to the MODU/FOP equipment, arrangements and outfit subject to technical supervision of the Register during manufacture, installation and testing."

SECTION 4 FIRE PROTECTION

Paras 4.1.1 and 4.1.2 shall be amended to read:

"4.1.1 Technical supervision during manufacture of the MODU/FOP fire protection products shall be performed in compliance with Section 4, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and technical supervision during installation and testing of the MODU/FOP fire protection products shall be performed in compliance with Section 4 of the Guidelines on Technical Supervision.

4.1.2 Technical supervision during manufacture of the fire detection system and alarm system on rise of explosive gases concentration shall be performed in compliance with Section 10, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and technical supervision during installation and testing of the fire detection system and alarm system on rise of explosive gases concentration shall be performed in compliance with Section 10 of the Guidelines on Technical Supervision and Section 7 of the Guidelines."

Para 4.2.1.1. The first paragraph shall be amended to read:

"4.2.1.1 When performing technical supervision during installation and testing of water fire main system, in addition to 4.4 of the Guidelines on Technical Supervision the following shall be checked:".

5 MACHINERY

Para 5.1.1 shall be amended to read:

"5.1.1 The requirements of the present Section apply to the MODU/FOP specific machinery and supplements Section 5, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and Section 5 of the Guidelines on Technical Supervision."

Para 5.2.6.9. The first paragraph shall be amended to read:

"5.2.6.9 When performing technical supervision during installation of the MODU jacking system, the applicable requirements in Section 5 of the Guidelines on Technical Supervision shall be met. The following shall be also checked:".

Para 5.2.6.10. The first paragraph shall be replaced by the following text:

"5.2.6.10 The MODU jacking system shall be tested for intended purpose according to 3.3 of the present Part and Section 5 of the Guidelines on Technical Supervision. The following shall be checked:".

Para 5.2.7.1 shall be replaced by the following text:

"5.2.7.1 Technical supervision during manufacture of parts, assembly and bench tests of arrangements for lifting and lowering columns of submersible sea water pumps shall be performed according to 5.8.4, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and Table 5.2.1 of the Guidelines."

Para 5.2.7.2. The first paragraph shall be amended to read:

"5.2.7.2 When performing technical supervision during installation of arrangements for lifting and lowering columns of submersible sea water pumps, the applicable requirements in Section 5 of the Guidelines on Technical Supervision shall be met, at that:".

Para 5.2.7.3. The first paragraph shall be amended to read:

"5.2.7.3 Arrangements for lifting and lowering columns of submersible sea water pumps shall be tested for intended purpose according to 3.4.3 of this Part and Section 5 of the Guidelines on Technical Supervision. The following shall be checked:".

Para 5.2.8.2. The first paragraph shall be replaced by the following text:

"5.2.8.2 When performing technical supervision during installation of submersible make-up pumps, the applicable requirements in Section 5 of the Guidelines on Technical Supervision shall be met. The following shall be checked:".

Para 5.2.8.3 shall be amended to read:

"5.2.8.3 Submersible pumps shall be tested along with the MODU/FOP sea water supply system during mooring trials according to Section 5 of the Guidelines on Technical Supervision and Section 6 of the Guidelines."

Para 5.2.11.1 shall be amended to read:

"5.2.11.1 After sea trials, all machinery and units shall be inspected according to 5.18 of the Guidelines on Technical Supervision."

6 SYSTEMS AND PIPING

Para 6.1.3 shall be amended to read:

"6.1.3 When performing technical supervision during manufacture of piping components and systems, the requirements in Section 8, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and Section 8 of the Guidelines on Technical Supervision."

Para 6.2.2.1. The second paragraph shall be amended to read:

"When performing technical supervision during installation of hydraulic drive system for jacking system of self-elevating MODU, in addition to mentioned in 8.3.2.7 of the Guidelines on Technical Supervision, the following requirements shall be met:"

Para 6.2.2.2. The second paragraph shall be amended to read:

"When performing technical supervision during installation of sea water supply system of self-elevating MODU, in addition to 8.3.1.1 of the Guidelines on Technical Supervision, the following shall be checked:"

Para 6.2.2.3. The second paragraph shall be amended to read:

"When performing technical supervision during installation of ventilation system of hazardous and enclosed spaces under overpressure, in addition to 8.3.2.5 of the Guidelines on Technical Supervision, the following requirements shall be met:"

Para 6.2.2.4 shall be amended to read:

"6.2.2.4 Riser tensioning system and heave compensating device. When performing technical supervision during installation of riser tensioning systems and heave compensating devices, the requirements in 8.3.2 and 8.3.4 of the Guidelines on Technical Supervision shall be met so far as applicable based on the scope of technical supervision mentioned in 1.3.2.3, Part VII "Machinery Installations and Machinery" of the MODU/FOP Rules."

Para 6.2.2.5. The second paragraph shall be amended to read:

"When performing technical supervision during installation of fuel oil system, in addition to 8.3.3.1 of the Guidelines on Technical Supervision, the following shall be checked:"

Para 6.2.2.6. The second paragraph shall be amended to read:

"When performing technical supervision during installation of lubricating oil system, in addition to 8.3.3.2 of the Guidelines on Technical Supervision, the following shall be checked:"

Para 6.2.2.7. The second paragraph shall be amended to read:

"When performing technical supervision during installation of cooling water system, in addition to 8.3.3.3 of the Guidelines on Technical Supervision, the following shall be checked:"

Para 6.2.2.8. The second paragraph shall be amended to read:

"When performing technical supervision during installation of compressed air system, in addition to 8.3.2.9 and 8.3.3.4 of the Guidelines on Technical Supervision, the following shall be checked:".

Para 6.2.2.9. The second paragraph shall be amended to read:

"When performing technical supervision during installation of exhaust gas system, in addition to 8.3.3.5 of the Guidelines on Technical Supervision, the following shall be checked:".

Para 6.2.2.10. The second paragraph shall be amended to read:

"During survey of blowing and flooding system for leg tanks, the applicable requirements in 8.3.2 of the Guidelines on Technical Supervision shall be met.".

Para 6.2.2.11. The second paragraph shall be amended to read:

"When performing technical supervision during installation of shielding gas supply and ventilation system for electrical equipment with enclosure under overpressure, in addition to 8.3.2 of the Guidelines on Technical Supervision, the following shall be checked:".

Para 6.2.3.2. The first paragraph shall be amended to read:

"6.2.3.2 During survey of hydraulic drive systems for the MODU jacking system, in addition to 8.4.2.7 of the Guidelines on Technical Supervision, the following shall be checked:".

Para 6.2.3.3. The first paragraph shall be amended to read:

"6.2.3.3 During survey of sea water supply system of self-elevating MODU during mooring and sea trials, in addition to 8.4 of the Guidelines on Technical Supervision, the following shall be checked:".

Para 6.2.3.4. The first paragraph shall be amended to read:

"6.2.3.4 During survey of ventilation systems of hazardous spaces during mooring trials, in addition to 8.4.2.5 of the Guidelines on Technical Supervision, the following shall be checked:".

Para 6.2.3.5. The first paragraph shall be amended to read:

"6.2.3.5 During survey of ventilation systems of enclosed spaces under overpressure during mooring trials, in addition to 8.4.1 of the Guidelines on Technical Supervision, the following shall be checked:".

Para 6.2.3.6 shall be amended to read:

"6.2.3.6 During survey of cooling water system of the self-elevating MODU power plant during mooring and sea trials, in addition to 8.4.3.3 of the Guidelines on Technical Supervision, operation of closed-loop standby cooling system shall be checked. For the prototype MODU, the power plant shall be capable of being operated by this closed-loop standby cooling system without refilling of sea water tank for a period required for starting of the standby submersible sea water pump.".

Para 6.2.3.7. The first paragraph shall be amended to read:

"6.2.3.7 During survey of shielding gas supply and ventilation system for electrical equipment with enclosure under overpressure during mooring trials, in addition to 8.4.1 of the Guidelines on Technical Supervision, the following shall be checked:".

7 ELECTRICAL EQUIPMENT

Para 7.1.1 shall be amended to read:

"7.1.1 All requirements of Section 10, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and Section 10 of the Guidelines on Technical Supervision shall apply to the MODU/FOP electrical equipment subject to technical supervision of the Register according to the RS Nomenclature, during manufacture.".

Para 7.3.1. The first paragraph shall be amended to read:

"7.3.1 When performing survey during installation, in addition to 10.3 of the Guidelines on Technical Supervision, the following shall be checked:".

The last paragraph shall be amended to read:

"During survey of wiring, the applicable instructions given in Appendices 1, 2 and 3 to Section 10 of the Guidelines on Technical Supervision shall be used.".

Para 7.4.1. The first and last paragraphs shall be replaced by the following text:

"7.4.1 When performing survey of electrical equipment during mooring and sea trials, in addition to 10.4 of the Guidelines on Technical Supervision, the following shall be performed:".

The last paragraph shall be amended to read:

"During these surveys, the applicable instructions given in Appendix 6 to Section 10 of the Guidelines on Technical Supervision and additional instructions given in 7.4.2 of the Guidelines shall be used.".

Para 7.4.3.1. The last paragraph shall be amended to read:

"In all cases the requirements in 10.4.4 of the Guidelines on Technical Supervision shall be met.".

8 AUTOMATION

Para 8.1.1 shall be replaced by the following text:

"8.1.1 All requirements of Section 12, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision (during manufacture) and Section 12 of the Guidelines on Technical Supervision (during installation and testing) apply to the MODU/FOP automation equipment subject to technical supervision of the Register according to the RS Nomenclature during manufacture, installation and testing.".

9 LIFE-SAVING APPLIANCES

Para 9.1.1 shall be amended to read:

"9.1.1 Applicable requirements of Section 13, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and Section 13 of the Guidelines on Technical Supervision, and requirements of Section 6, Part II "Life-Saving Appliances" of the Rules for the Equipment of Sea-Going Ships apply to the MODU/FOP life-saving appliances subject to technical supervision of the Register according to the RS Nomenclature, during manufacture and installation."

Para 9.2.2. The first paragraph shall be replaced by the following text:

"9.2.2 The scope and procedure for survey of launching appliances for the MODU/FOP survival craft during manufacture, bench tests at the firm (manufacturer) and during installation and testing on board MODU/FOP shall comply with Section 13, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision and Section 13 of the Guidelines on Technical Supervision, provided that after installation on board MODU these appliances will be subject to survey at the firm (manufacturer) during testing for compliance with the following requirements:"

Para 9.2.3.4 shall be deleted.

Paras 9.2.3.1 – 9.2.3.3 shall be amended to read:

".1 not less than two sets of VHF equipment of two-way radiotelephone apparatus are provided on board MODU/FOP arranged so that they could be quickly transferred to any liferaft, which comply with the requirements of Section 12, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships;

".2 each MODU/FOP rescue boat is equipped with VHF equipment of two-way radiotelephone apparatus which comply with the requirements of Section 12, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships;

".3 each MODU/FOP rescue boat is equipped with life-saving appliance position indicator for search and rescue operations complying with the requirements of Section 10, Part IV "Radio Equipment" of the Rules for the Equipment of Sea-Going Ships, and not less than two such indicators are provided on board MODU/FOP."

10 SIGNAL MEANS

Para 10.1.1 shall be amended to read:

"10.1.1 All requirements of Section 14, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision (during MODU/FOP manufacture) and Section 14 of the Guidelines on Technical Supervision (during MODU/FOP construction) apply to the MODU/FOP signal means subject to technical supervision of the Register according to the RS Nomenclature, unless provided otherwise in this Section."

11 RADIO EQUIPMENT

Para 11.1.1 shall be amended to read:

"11.1.1 All requirements of Section 15, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision (during manufacture) and Section 15 of the Guidelines on Technical Supervision (during installation, wiring and testing) apply to the MODU/FOP radio equipment subject to technical supervision of the Register according to the RS Nomenclature, unless provided otherwise in the present Section."

Para 11.1.2 shall be amended to read:

"**11.1.2** When performing technical supervision during installation, wiring and testing of radio equipment, the RS surveyor shall refer to technical documentation approved by the Register in compliance with General Regulations for the Classification and Other Activity of the Rules for the Equipment of Sea-Going Ships and Section 15 of the Guidelines on Technical Supervision."

Para 11.1.3. The first paragraph shall be amended to read:

"**11.1.3** During survey of the proper wiring of radio equipment, in addition to 15.3 of the Guidelines on Technical Supervision, the following shall be checked:"

12 NAVIGATIONAL EQUIPMENT

Para 12.1.1 shall be amended to read:

"**12.1.1** All requirements of Section 16, Part IV "Technical Supervision during Manufacture of Products" of the Rules for Technical Supervision (during manufacture) and Section 16 of the Guidelines on Technical Supervision (during installation, wiring and testing) apply to the MODU/FOP navigational equipment subject to technical supervision of the Register according to the RS Nomenclature."