



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 328-04-1496c

dated 11.01.2021

Re:

amendments to the Guidelines on Technical Supervision of Ships under Construction in connection with implementation of the requirements to gas trials on ships

Item(s) of supervision:

ships under construction

Entry-into-force date:

01.02.2021

Valid till: -

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1 + 3

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to the Guidelines on Technical Supervision of Ships under Construction

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that the Guidelines on Technical Supervision of Ships under Construction shall be amended after their re-publication in 2021 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 involved in the technical supervision of ships under construction.
 2. Apply the provisions of the Circular Letter during technical supervision of ships contracted for classification under construction on or after 01.02.2021.
 3. Apply the provisions of the Circular Letter during technical supervision of ships contracted for classification under construction before 01.02.2021, as far as practicable.
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List of the amended and/or introduced paras/chapters/sections:

paras 5.17.10, 8.4.4 and 12.4.7, Chapter 18.7

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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 5.17.10	Requirement regarding gas trials on ships has been introduced	328-04-1496c of 11.01.2021	01.02.2021
2	Para 8.4.4	Requirement regarding gas trials on ships has been introduced	328-04-1496c of 11.01.2021	01.02.2021
3	Para 12.4.7	Requirement regarding gas trials on ships has been introduced	328-04-1496c of 11.01.2021	01.02.2021
4	Chapter 18.7	New Chapter related to gas trials on ships has been introduced	328-04-1496c of 11.01.2021	01.02.2021

GUIDELINES ON TECHNICAL SUPERVISION OF SHIPS UNDER CONSTRUCTION, 2020

ND No. 2-030101-042-E

5 MACHINERY

1 **New para 5.17.10** is introduced reading as follows:

"**5.17.10** Where the constructed/converted ship is intended for the carriage of liquefied gases and/or uses gas as fuel, the equipment and machinery related to gas transfer and use shall be checked during gas trials according to 18.7."

8 SYSTEMS AND PIPING

2 **New para 8.4.4** is introduced reading as follows:

"**8.4.4** Where the constructed/converted ship is intended for the carriage of liquefied gases and/or uses gas as fuel, the systems and piping related to gas transfer, shall be checked during gas trials according to 18.7."

12 AUTOMATION EQUIPMENT

3 **New para 12.4.7** is introduced reading as follows:

"**12.4.7** Where the constructed/converted ship is intended for the carriage of liquefied gases and/or uses gas as fuel, the automation equipment and devices related to gas control, shall be checked during gas trials according to 18.7."

18 MOORING AND SEA TRIALS

4 **New Chapter 18.7** is introduced reading as follows:

"18.7 GAS TRIALS

18.7.1 Gas trials shall be carried out for ships carrying liquefied gases and/or using gas as fuel.

18.7.2 Gas trials shall be performed for confirmation of:

.1 the parameters and correct operation of the equipment and machinery using gas fuel (natural gas, etc.);

.2 correct functioning of systems using gas in operation;

.3 correct functioning of the equipment and devices.

18.7.3 Prior to gas trials the shipyard shall submit:

.1 the confirmation that the ship is fully prepared for testing, the installation of equipment and machinery, cargo/ fuel containment system, cargo system, gas fuel system, emergency shut down (ESD) system, gas detection system and gas management system is completed;

.2 the programme for gas trials approved by the Register;

.3 the technical documentation necessary for surveys and trials.

18.7.4 Gas trials shall be carried out in the presence of the RS surveyor according to the programme submitted by the shipyard.

18.7.5 The programme for gas trials shall include, as a minimum, demonstration and verification of the equipment and machinery operation, functioning and operational characteristics of the cargo/ fuel containment system, cargo system, gas fuel system, ESD system and gas management system, including instrumentation, control, alarm and protection systems, during operation and cargo handling operations and/or bunkering including preparation of liquefied gas tanks and pipelines:

drying/ inerting;

gassing up;

cooldown;

liquid gas loading/ transfer to another tank/ discharging;

warm-up;

gas freeing;

aeration.

18.7.6 After completion of gas trials, the shipyard shall prepare the test results."