



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 315-07-1546c

dated 13.04.2021

Re:

amendments to the Rules for the Classification and Construction of Ships Carrying Liquefied Gases in Bulk, 2021, ND No. 2-020101-140-E

Item(s) of supervision:

automation equipment

Entry-into-force date:

01.07.2021

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Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Parts VI "Systems and Piping" and VIII "Instrumentation and Automation Systems"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that the Rules for the Classification and Construction of Ships Carrying Liquefied Gases in Bulk 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 ships contracted for construction or conversion on or after 01.07.2021, in the absence of a contract, the keels of which are laid or which are at a similar stage of construction on or after 01.07.2021.
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List of the amended and/or introduced paras/chapters/sections:

Part VI: Table 3.21.7.3

Part VIII: para 3.1 and 6.16

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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, Table 3.21.7.3	Requirements for level alarm have been specified considering IACS UI GC35 (Feb 2021)	315-07-1546c of 13.04.2021	01.07.2021
2	Part VIII, para 3.1	Requirements for level alarm have been specified considering the provisions of the IGC Code	315-07-1546c of 13.04.2021	01.07.2021
3	Part VIII, para 6.16	New para with the requirements for oxygen deficiency monitoring equipment has been introduced considering IACS UI GC36 (Feb 2021)	315-07-1546c of 13.04.2021	01.07.2021

RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SHIPS CARRYING LIQUEFIED GASES IN BULK, 2021,

ND No. 2-020101-140-E

PART VI. SYSTEMS AND PIPING

3 CARGO SYSTEM

1 **Table 3.21.7.3. Footnote 6** is replaced by the following text:

"⁶ The override system permitted by 3.1, Part VIII "Instrumentation and Automation Systems" may be used at sea to prevent false alarms or shutdowns. When level alarms are overridden, operation of cargo pumps and the opening of manifold ESD valves shall be inhibited except when high-level alarm testing is carried out in accordance with 12.2.2 (refer to 3.21.7.4). For this purpose, an electric or mechanical interlocking device shall be provided to prevent inadvertent operation of cargo pumps and inadvertent opening of manifold ESD valves."

PART VIII. INSTRUMENTATION AND AUTOMATION SYSTEMS

3 LIQUID LEVEL ALARMS

2 **Пункт 3.1** заменяется следующим текстом:

"**3.1** Except as provided in 3.2, each cargo tank shall be fitted with a high liquid level alarm operating independently of other liquid level indicators and giving an audible and visual warning, when activated, to the cargo control room and to the wheelhouse. On receiving such warning, the operator on board who is in charge of the loading operations shall inform the personnel of the shore terminal about interruption of the loading.

Besides, another device operating independently of the high liquid level alarm shall automatically shut down shipboard pumps and/or automatically actuate an emergency shutdown valve in a manner which will both avoid excessive liquid pressure in the cargo main and prevent the tank from becoming liquid full. The emergency shutdown valve shall comply with the requirements of 3.2, Part VI "Systems and Piping". Information on the availability of such device shall be submitted to the Administration of the shore terminal before the loading.

Where arrangements are provided for overriding the overflow control system, they shall be such that inadvertent operation is prevented. When this override is operated, continuous visual indication shall be given at the relevant control station(s) and the navigation bridge."

6 GAS DETECTORS

3 A **new para 6.16** is introduced reading as follows:

"**6.16** Oxygen deficiency monitoring equipment shall be installed in enclosed or semi-enclosed spaces containing equipment that may cause an oxygen-deficient environment (such as nitrogen generators, inert gas generators or nitrogen cycle refrigerant systems).

Two oxygen sensors shall be positioned at appropriate locations in the space or spaces containing the inert gas system for all gas carriers, irrespective of the carriage of cargo indicated by an "O" in column 7 of the Table of Technical Requirements (refer to Appendix 1)."