



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 313-14-1468c

dated 24.11.2020

Re:

amendments to the Rules for the Classification and Construction of Ships Carrying Liquefied Gases in Bulk in connection with coming into force of IACS unified interpretations (UI) GC22(Rev.1 Apr 2020), GC30 (Apr 2020) and GC31 (June 2020)

Item(s) of supervision:

ships under construction

Entry-into-force date:

01.01.2021

~~Valid till:~~

~~Validity period extended till:~~

~~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 V "Fire Protection"

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, at their re-publication in 2021, 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 technical documentation of ships contracted for construction or conversion on or after 01.01.2021, in the absence of a contract – conversion work of which starts on or after 01.01.2021.

List of the amended and/or introduced paras/chapters/sections:

Part V: paras 3.2.2, 3.2.3, 3.3.6 and 3.4.11

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"Thesis" System No. 20-269800

**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 V, para 3.2.2	A new para with requirements for emergency fire pump capacity when total flooding high expansion foam system is fitted protecting the engine-room has been introduced considering IACS UI GC30 (Apr 2020)	313-14-1468c of 24.11.2020	01.01.2021
2	Part V, para 3.2.3	A new para with requirements for emergency fire pump capacity for supplying fire-extinguishing system with maximum water coverage has been introduced considering IACS UI GC30 (Apr 2020)	313-14-1468c of 24.11.2020	01.01.2021
3	Para V, para 3.3.6	Requirements for operation of water-spray system from emergency fire pump have been specified considering IACS UI GC22 (Rev.1 Apr 2020)	313-14-1468c of 24.11.2020	01.01.2021
4	Part V, para 3.4.11	Requirements for operation of dry chemical powder fire-extinguishing system have been specified considering IACS UI GC31 (June 2020)	313-14-1468c of 24.11.2020	01.01.2021

RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SHIPS CARRYING LIQUEFIED GASES IN BULK, 2020,

ND No. 2-020101-131-E

PART V. FIRE PROTECTION

3 FIRE FIGHTING EQUIPMENT AND SYSTEMS

1 **New paras 3.2.2 and 3.2.3** are introduced reading as follows:

3.2.2 When the ship is fitted with a total flooding high expansion foam system protecting the category A engine-room and the emergency fire pump is intended to supply sea water to this system, then, the emergency fire pump shall also be sized up to cover the foam system for dealing with an engine-room fire when the main fire pumps are disabled.

3.2.3 On the basis of the principle of dealing with one single incident at a time, the emergency pump does not need to be sized to cover fire hydrants, foam system in accordance with the requirements of 3.2.2 and water-spray system in accordance with the requirements of 3.3.6 at the same time.

At that, it shall be sized to simultaneously cover the foam system and two hydrants in accordance with the requirements of 3.2.2 or the water-spray system and two hydrants in accordance with the requirements of 3.3.6, whichever is greater."

2 **Para 3.3.6** is replaced by the following text:

3.3.6 The boundaries of superstructures and deckhouses normally manned, and lifeboats, liferafts and muster areas facing the cargo area, shall also be capable of being served by one of the fire pumps specified in 3.2.1.1, Part VI "Fire Protection" of the Rules for the Classification and installed outside the spaces where spray pumps are located or emergency fire pump, in case fire in one compartment (meaning a compartment provided with A-class boundaries in which fire pump(s) is(are) located or the source of power of the fire pump(s), serving the water-spray system in accordance with 3.3.2) could disable both fire pumps. Emergency fire pump capacity shall be capable of maintaining two jets of water in accordance with 3.2.4.7, Part VI "Fire Protection" of the Rules for the Classification and spray application rates stated in 3.3.2, but limiting coverage to boundaries of normally manned superstructures and deckhouses, survival crafts and their muster areas."

3 **Para 3.4.11** is replaced by the following text:

3.4.11 After installation, the pipes, valves, fittings and assembled systems shall be subjected to a tightness test and functional testing of the remote and local release stations. The initial testing shall also include a discharge of sufficient amounts of dry chemical powder to verify that the system is in proper working order. Testing arrangements shall involve the discharge from all monitors and hand hose lines on board, but it is not required that there is a full discharge of the installed quantity of dry powder.

After the completion of this testing, the system, including all monitors and hand hose lines, shall be blown through with dry air for the purpose of the system subsequently being clear from any residues of dry chemical powder."