



# RUSSIAN MARITIME REGISTER OF SHIPPING

---

**CIRCULAR LETTER**

**No. 315-06-1490c**

dated 28.12.2020

---

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:

electrical equipment

---

Entry-into-force date:

**01.02.2021**

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 VII "Electrical equipment"

---

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 this Circular Letter during reviewing of the technical documentation on ships contracted for construction or conversion on or after 01.02.2021, in the absence of a contract, ships the keels of which are laid or which are at a similar stage of construction on or after 01.02.2021.
- 

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

Part VII: paras 1.2.1, 2.2, 2.2.1, 2.2.1.1 and 2.2.1.1.1

---

Person in charge: Sergei V. Vinnichenko 315

+7 (812) 605-05-17

"Thesis" System No. 20-278675

**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 VII, para 1.2.1	Additional explanation to the definition "hazardous zone" regarding the categories of hazardous zones has been introduced considering IGC Code.	315-06-1490c of 28.12.2020	01.02.2021
2	Part VII, paras 2.2.1, 2.2.1.1 and 2.2.1.1.1	The structure of the paras has been amended regarding specific requirements for gas carriers in terms of division into hazardous zones considering IEC 60092-502	315-06-1490c of 28.12.2020	01.02.2021

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

**ND NO. 2-020101-140-E**

## **PART VII. ELECTRICAL EQUIPMENT**

### **1. GENERAL**

1 **Para 1.2.1** is replaced by the following text:

**«1.2.1 Hazardous zones and spaces.**

Hazardous zone means an area where an explosive gas mixture is or may be expected to be present, in quantities such as to require special protection measures during the design, manufacture and operation of electrical installations.

Depending on the frequency and duration of the presence of an explosive gas atmosphere, hazardous zones are divided into:

zone "0" being an area in which an explosive gas atmosphere (a mixture of combustible substances in the form of gas, steam or fog) is present often, continuously or is present for long periods;

zone "1" being an area in which explosive gas atmosphere (a mixture of combustible substances in the form of gas, steam or fog) is likely to occur under normal operating conditions;

zone "2" being an area in which an explosive gas atmosphere (a mixture of combustible substances in the form of gas, steam or fog) is not likely to occur under normal operating conditions, and if does occur, it will exists for a short period only.

### **2 ELECTRICAL INSTALLATION**

2 **Paras 2.2.1, 2.2.1.1 and 2.2.1.1.1** are replaced by the following text:

**2.2.1** To facilitate the selection of suitable electrical equipment and devices, hazardous areas and spaces shall be divided into zones, as specified in IEC 60092-502 "Electrical installations in ships — Tankers — Special features".

**2.2.1.1** Only safe-type electrical equipment certified by the relevant competent body for the appropriate type of protection may be fitted in gas-dangerous spaces and zones as specified below. Automatic isolation of non-certified equipment on detection of a flammable gas shall not be accepted as an alternative to the use of certified equipment.

**2.2.1.2** Only intrinsically safe electrical equipment and wiring may be fitted in all gas-dangerous spaces and zones "0".