



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 328-04-1372c

dated 10.04.2020

Re:

amendments to the Rules for the Classification and Construction of Ships Carrying Liquefied Gases in Bulk, 2020, ND No. 2-020101-131-E in connection with introduction of service "General Approval for Ship Application"

Item(s) of supervision:

membrane LNG containment tanks

Entry-into-force date:

Valid till:-

Validity period extended till: -

from the date of publication

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 I "Classification"

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, as well as during review and approval of the technical documentation on equipment/products installed on board the ships contracted for construction from the entry-into-force date of the Circular Letter.
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List of the amended and/or introduced paras/chapters/sections:

Part I: para 4.5

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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 I, para 4.5	Para has been introduced regarding requirements for documentation of membrane LNG containment system considering the experience of technical supervision	328-04-1372c of 10.04.2020	10.04.2020

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

ND No. 2-020101-131-E

PART I. CLASSIFICATION

4 PLAN APPROVAL DOCUMENTATION

New para 4.5 is introduced reading as follows:

"4.5 "Approval in Principle" and "General Approval for Ship Application" of membrane LNG containment tanks.

4.5.1 The service "Approval in Principle" of membrane LNG containment tanks is rendered in accordance with 3.6, Part II "Technical Documentation" of the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships.

4.5.2 For the service "General Approval for Ship Application" of membrane LNG containment tanks to be rendered, the following technical documentation^{1, 2} shall be submitted to the Register for review:

- .1** general information on ship in scope necessary to assess compliance of elements of membrane LNG tanks to applied requirements;
- .2** general information on tanks geometrical dimensions and location in the ship's hull;
- .3** drawings of tank structures of flat and corner regions, attachments to adjacent hull structures and cargo tank dome regions;
- .4** drawings of pump tower including relevant equipment (pumps, pipelines, ladders, etc.) as well as its connection to ship's hull;
- .5** drawings of pump tower base support;
- .6** description of joining processes to connect tank elements to each other as well as connections with adjacent hull structures;
- .7** list of materials and components used in tank structures and their test results;
- .8** temperature calculations of tank elements and adjacent hull structures including description of applied calculation procedures;
- .9** strength calculations of elements of membrane containment system including description of applied calculation procedures;
- .10** calculation of ship's seakeeping and loads on the elements of membrane tank with description of applied calculation procedures and results of laboratory tests.

¹ The Register may require additional information necessary to render service "General Approval for Ship Application".

² The results of rendered service "General Approval for Ship Application" are finalized by drawing up a conclusion letter (expert opinion) according to 8.5, Part II "Technical Documentation" of the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships."