



# RUSSIAN MARITIME REGISTER OF SHIPPING

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**CIRCULAR LETTER**

**No. 314-42-1382c**

dated 22.04.2020

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Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2020, ND No. 2-020101-124-E

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Item(s) of supervision:

bulk carriers under construction and in service

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Entry-into-force date:

**01.07.2020**

~~Valid till:~~

~~Validity period extended till:~~

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~~Cancels / amends / adds Circular Letter No.~~

~~dated~~

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Number of pages:

1+3

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Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part II "Hull"

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Director General

Konstantin G. Palnikov

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Text of CL:

We hereby inform that referring to IACS UI SC209 (Rev.1 Dec 2019) the Rules for the Classification and Construction of Sea-Going Ships shall be amended as specified in the Appendices to the Circular Letter.

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It is necessary to do the following:

1. Bring the content of the Circular Letter to the notice of the RS surveyors, interested organizations and persons in the area of the RS Branch Offices' activity.
  2. Apply provisions of the Circular Letter during review and approval of the design documentation on bulk carriers contracted for construction or conversion on or after 01.07.2020, in the absence of a contract — on bulk carriers, the keels of which are laid or which are at a similar stage of construction on 01.07.2020 or after.
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List of the amended and/or introduced paras/chapters/sections:

Part II: paras 3.3.2.5.2 and 3.3.2.5.10, Figure 3.3.2.5.10, and para 3.3.4.13

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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 3.3.2.5.2                     | Para has been supplemented with a requirement for selection of material for lower brackets of side frames considering IACS UI SC209 (Rev.1 Dec 2019)  | 314-42-1382c of 22.04.2020             | 01.07.2020            |
| 2    | Para 3.3.2.5.10, Figure 3.3.2.5.10 | New para 3.3.2.5.10 containing requirements for selection of material for the side shell has been introduced considering IACS UI SC209 (Rev.1 Dec 2019). Figure 3.3.2.5.10 illustrating requirements of 3.3.2.5.2 and 3.3.2.5.10 has been introduced  | 314-42-1382c of 22.04.2020             | 01.07.2020            |
| 3    | Para 3.3.4.13                      | New para containing requirements for checking the buckling capacity of structural members of bulk carriers of 150 m in length and upwards, carrying solid bulk cargoes having a density of 1,000 kg/m <sup>3</sup> and above has been introduced considering IACS UI SC209 (Rev.1 Dec 2019) | 314-42-1382c of 22.04.2020             | 01.07.2020            |

## RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS, 2020

### ND No. 2-020101-124-E

#### PART II. HULL

#### 3 REQUIREMENTS FOR STRUCTURES OF SHIPS OF SPECIAL DESIGN

1 **Para 3.3.2.5.2** is supplemented by the following text:

"For bulk carriers of 150 m in length and upwards with single side structures, carrying solid bulk cargoes having a density of  $1,000 \text{ kg/m}^3$  and above, the material grade shall not be less than grade D/DH for lower bracket of side frame (refer to Fig. 3.3.2.5.10);".

2 **New para 3.3.2.5.10** is introduced reading as follows:

"**3.3.2.5.10** For bulk carriers of 150 m in length and upwards with single side structures, carrying solid bulk cargoes having a density of  $1,000 \text{ kg/m}^3$  and above, the side shell plate between two points located to  $0,125l$  above and  $0,125l$  below the intersection of side shell and bilge hopper sloping plating or inner bottom plate shall be made of steel not less than grade D/DH, where  $l$  is the span of the side frame defined as the distance between the supporting structures, in m. In case of side frames built with multiple spans, the above requirements apply to the lower part only (refer to Fig. 3.3.2.5.10).

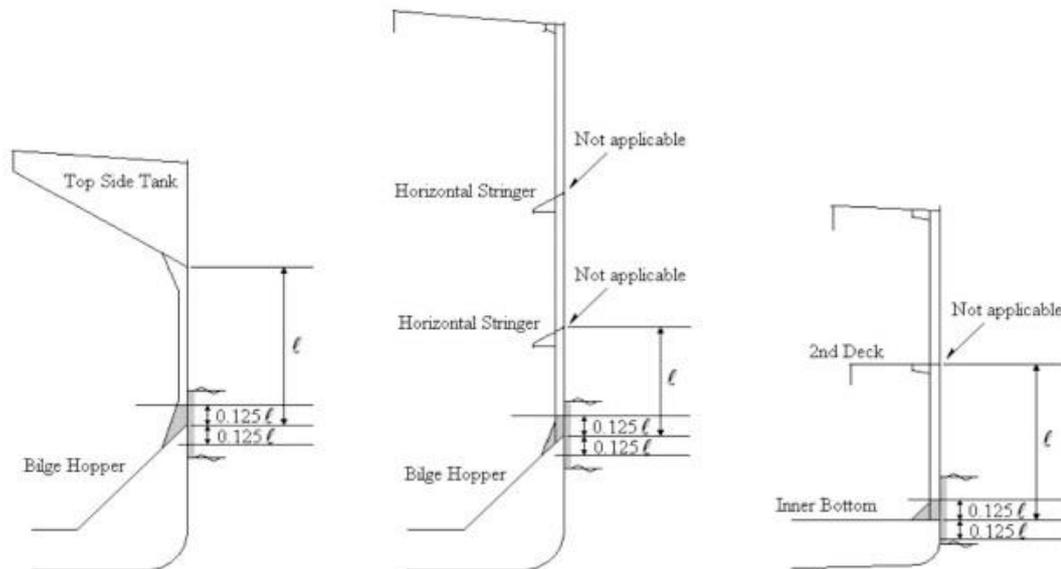


Fig. 3.3.2.5.10

3 **New para 3.3.4.13** is introduced reading as follows:

"**3.3.4.13** For bulk carriers of 150 m in length and upwards, carrying solid bulk cargoes having a density of  $1,000 \text{ kg/m}^3$  and above, buckling strength shall be checked in compliance with the requirements of Pt 1, Ch. 8, Sec. 5 of the IACS Common Structural Rules. The allowable

utilization factor shall be reduced by 1,15 for the following areas: hatchway coaming, inner bottom, sloped stiffened panel of topside tanks and hopper tanks, inner side, side shell (if directly bounding the cargo hold), stiffened transverse bulkhead, top stool and bottom stool of transverse bulkhead."