



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 314-29-1194c

dated 14.02.2019

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2019, ND No. 2-020101-114-E, in connection with coming into force of the new revision of IACS Unified Requirement (UR) W13 (Rev.6 June 2018) "Thickness Tolerances of Steel Plates and Wide Flats"

Item(s) of supervision:

steel plates and wide flats for ship structures

Implementation:

01.07.2019

Valid till:

Validity period extended till:

Cancels / amends / adds Circular Letter No.

dated

Number of pages:

1+2

Appendix(ces):

text of amendments to Part XIII "Materials"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that in connection with coming into force of the new revision of IACS UR W13 (Rev.6 June 2018) "Thickness Tolerances of Steel Plates and Wide Flats" the Rules for the Classification and Construction of Sea-Going Ships shall be amended as specified in the Appendix to the Circular Letter. The above amendments will be introduced into the Rules at their re-publication.

It is necessary to do the following:

1. Familiarize the RS Surveyors with the content of the Circular Letter.
 2. Bring the content of the Circular Letter to the notice of the interested organizations in the area of the RS Branch Offices' activity.
 3. Apply the provisions of the Circular Letter.
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List of ND amended and introduced paras/chapters/sections (to specify in the List of Circular Letters (form 8.3.36)):

Part XIII: paras 3.2.8.1 and 3.2.8.3

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**RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS,
2019,**

ND No. 2-020101-114-E

PART XIII. MATERIALS

3 STEEL AND CAST IRON

Para 3.2.8.1 shall be amended to read:

"**3.2.8.1** These requirements apply to the tolerance on thickness of steel plates and wide flats with widths of 600 mm or greater with thicknesses of 5 mm and over, covering the following steel grades:

- .1 normal and higher strength hull structural steels according to 3.2;
- .2 high strength hull structural steels according to 3.13;
- .3 steels for machinery structures.

The thickness tolerances for steel plates and wide flats below 5 mm may be taken from national or international standards, equivalent to Class B (ISO 7452). In this case, minus tolerance shall not exceed 0,3 mm.

These requirements do not apply to rolled steel products intended for the constructions of boilers, heat exchangers, pressure vessels, etc., as well as independent tanks for the transportation of liquefied gases or chemicals.

Class C (ISO 7452-2013) or equivalent according to national or international standards may be applied in lieu of 3.2.8.3, in which case the requirements in 3.2.8.4 and 3.2.8.5 need not be applied.

If Class C (ISO 7452-2013) is applied, the footnote Table 2 part of which reads: "Also a minus side of thickness of 0,3 mm is permitted.", is not applicable.

Additionally, if ISO 7452-2013 is applied, it is required that the steel mill demonstrate to the satisfaction of the Register that the number of measurements and measurement distribution is appropriate to establish that the mother plates produced are at or above the specified nominal thickness."

Para 3.2.8.3 shall be amended to read:

"**3.2.8.3** Thickness tolerances.

The tolerances on thickness of a given product are defined as:

.1 minus tolerance is the lower limit of the acceptable range below the nominal thickness;

.2 plus tolerance is the upper limit of the acceptable range above the nominal thickness.

Note . Nominal thickness is defined by the purchaser at the time of enquiry and order.

The minus tolerance on thickness of steel rolled products of normal and higher strength according to 3.2, of high strength according to 3.13, as well as steels supplied in accordance with the requirements of 3.14 and Part XII "Materials" of the Rules for the Classification, Construction and Equipment of Mobile Offshore Drilling Units and Fixed Offshore Platforms shall be 0,3 mm or less irrespective of nominal thickness.

The minus tolerances for products for machinery structures shall be in accordance with Table 3.2.8.3.

Table 3.2.8.3

Nominal thickness t , mm	Minus tolerance on nominal thickness, mm
$3 \leq t < 5$	-0,3
$5 \leq t < 8$	-0,4
$8 \leq t < 15$	-0,5
$15 \leq t < 25$	-0,6
$25 \leq t < 40$	-0,7
$40 \leq t < 80$	-0,9
$80 \leq t < 150$	-1,1
$150 \leq t < 250$	-1,2
$250 \leq t$	-1,3

The tolerances on nominal thickness are not applicable to areas repaired by grinding. For such areas the requirements of 3.2.7.4 may be applied unless stricter requirements as per a recognized standard are considered by the Register or purchaser.

The plus tolerances on nominal thickness shall be in accordance with a recognized national or international standard unless required otherwise by the Register or purchaser."