



RUSSIAN MARITIME REGISTER OF SHIPPING
HEAD OFFICE

CIRCULAR LETTER

No. 312-11-

dated

05.2017

Re:

amendments to Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships, 2017, ND No. 2-020101-095-E

Item of supervision:
ships under construction

Implementation from the date of publication

Valid: till -

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~~Cancels / amends / supplements~~ Circular Letter No. -

Number of pages: 1 + 10

Appendices: text amendments to Part I "Classification" of the Rules for the Classification and Construction of Sea-Going Ships, 2017, ND No. 2-020101-095-E

Director General  Konstantin G. Palnikov

Amends Rules for the Classification and Construction of Sea-Going Ships, 2017, ND No. 2-020101-095-E

We hereby inform that the approval procedure of plan approval documentation with further approval of detailed design documentation for the ship under construction as well as lists of documentation on the ship technical design and detailed design documentation subject to the RS approval shall be introduced into the Rules for the Classification and Construction of Sea-Going Ships, 2017, ND No. 2-020101-095-E.

It is necessary to do the following:

1. Familiarize surveyors of the RS Branch Offices and interested organizations in the area of the RS Branch Offices' activity with the content of the Circular Letter.
2. Apply provisions of the Circular Letter in the RS practical activity.

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RULES FOR THE CLASSIFICATION AND CONSTRUCTION OF SEA-GOING SHIPS

(2017)

ND No. 2-020101-095-E

PART I. CLASSIFICATION

3 TECHNICAL DOCUMENTATION

3.1 GENERAL

Para 3.1.1.2 shall be amended to read:

"**3.1.2** Prior to the commencement of a ship construction, technical documentation proving that all requirements of the Register applicable to the ship concerned are complied with shall be submitted to the Register for review. The documentation for review shall be submitted to the Register in electronic form in PDF format by mutually agreed way, or as hard copy in triplicate.

Basically two practical alternatives of documentation submission and approval are allowed:

.1 submission of plan approval documentation in a scope specified in 3.2 taking into account the peculiarities and type of a ship without further approval of detailed design documentation;

.2 submission of technical design documentation in a scope specified in 3.3 taking into account the peculiarities and type of a ship with further approval of detailed design documentation.

In such case, the technical design documentation approved by the Register does not constitute grounds for assignment of class to the ship. This documentation is considered by the Register exclusively as the basis for further design."

New para 3.1.3 shall be introduced reading as follows:

"**3.1.3** In the lists specified in 3.2, 3.3 and 3.4, documentation marked with (*) is the documentation which review results are documented by stamping in accordance with 8.3.1, Part II "Technical Documentation" of the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships.

Documentation marked with (**) is the documentation which review results are documented by stamping in accordance with 8.3.2, Part II "Technical Documentation" of the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships."

Existing **paras 3.1.3 – 3.1.5** shall be renumbered as **paras 3.1.4 – 3.1.6** accordingly.

3.2 PLAN APPROVAL DOCUMENTATION

Existing para 3.2.1 shall be deleted; paras 3.2.2 – 3.2.11 shall be renumbered as paras 3.2.1 – 3.2.10 accordingly, as well as the references to them.

New Chapters 3.3 and 3.4 shall be introduced reading as follows:

"3.3 TECHNICAL DESIGN DOCUMENTATION

3.3.1 General:

- .1 ship specification (to be submitted for information);
- .2 general arrangement plan (to be submitted for information);
- .4 drawing of dangerous zones and spaces (*);
- .5 list of deviations from the RS rules with references to the appropriate Register letters of their approval (refer to 1.3.4 of the General Regulations for the Classification and Other Activity), if any (**);
- .6 engineering analysis of alternative design and arrangements (refer to 3.1.5), if any (**);
- .7 report on qualitative failure analysis for propulsion and steering in accordance with Section 11, Part VII "Machinery Installations" (for passenger ships) (**);
- .8 engineering analysis of the capability of a ship to return to port in case of an accident in accordance with 2.2.6 and 2.2.7, Part VI "Fire Protection", considering interpretations of IMO circular MSC.1/Circ.1369 (for passenger ships having length of 120 m and above or having three or more main vertical zones) (**).

3.3.2 Hull documentation:

- .1 hull members scantlings determination, as well as analysis of the overall longitudinal strength and buckling stability of members for all specified loading conditions of a ship, including the loading and carriage of bulk cargoes other than grain (**);
- .2 midship section plan and the typical transverse sections with indication of spacing between the main longitudinal and transverse members, main particulars of the ship and their ratios, class notation of a ship and values of design still water bending moments¹ (*);
- .3 constructional profile with indication of frame spacing, boundaries of the portions of a ship length, position of the watertight bulkheads, pillars, arrangement of superstructures and deckhouses¹ (*);
- .4 deck and platform plans with indication of design loads (including the loads induced by lift trucks and containers), positions and dimensions of openings, their strengthening, end structures of the side coamings¹ (*);
- .5 double bottom (single bottom) plan.
The plan shall contain: sea chest sections with indication of pressure in the blow-down system; boundaries of watertight compartments; table of pressure heads.
For bulk carriers and ore carriers an allowable load on the inner bottom plating shall be indicated¹ (*);
- .6 shell expansion with indication of the ship hull boundaries, positions and dimensions of openings in shell plating, and for ships strengthened for navigation in ice also the upper and lower edges of the ice belt and corresponding forward and aft draughts (with due regard to trim), arrangement of intermediate frames. Shell expansion for glass reinforced ships shall be submitted if the outer shell plating has different thickness¹ (*);
- .7 drawings of longitudinal and transverse bulkheads, including tank wash bulkheads (for tanks the heights of overflow and air pipes shall be indicated)¹;
- .8 drawing of the after end framing and sternframe¹ (*);

¹All constructional drawings mentioned here shall indicate the scantlings of the hull members, their material (with indication of grades according to Part XIII "Materials"), as well as typical sections and details, types and dimensions of welds.