



**RUSSIAN MARITIME REGISTER OF SHIPPING**  
HEAD OFFICE

**CIRCULAR LETTER**

**No. 312-11-1021c**

**dated 31. 05.2017**

Re:

amendments to Part I "Survey Regulations" of the Rules for the Equipment of Sea-Going Ships, 2017, ND No. 2-020101-096-E

Item of supervision:

Ships under construction

Implementation from the date of publication

Valid: till -

Validity period extended till -

~~Cancels / amends /~~ supplements Circular letter 312-11-1019c dated 31.05.2017

Number of pages: 1 + 3

Appendices: amendments and additions to Part I "Survey Regulations" of the Rules for the Equipment of Sea-Going Ships, 2017, ND No. 2-020101-096-E

Director General

 Konstantin G. Palnikov

**Amends Rules for the Equipment of Sea-Going Ships, 2017, ND No. 2-020101-096-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 have been introduced to the Rules for the Equipment of Sea-Going Ships, 2017, ND No. 2-020101-096.

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 EQUIPMENT OF SEA-GOING SHIPS (2017), ND No. 2-020101-096-E**

### **PART I. SURVEY REGULATIONS**

#### **3 TECHNICAL DOCUMENTATION**

##### **3.1 GENERAL**

The Chapter shall be supplemented with **paras 3.1.2 and 3.1.3** reading as follows:

**"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 without 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."

**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."

##### **3.2 PLAN APPROVAL DOCUMENTATION**

**Para 3.2.1** (existing) shall be deleted. **Paras 3.2.2 – 3.2.11** shall be renumbered as **paras 3.2.1 – 3.2.10** accordingly.

**Paras 3.2.7, 3.2.7.1 and 3.2.7.2** shall be deleted. The requirements of these paras shall be transferred to new **Chapter 3.5**.

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

##### **"3.3 TECHNICAL DESIGN DOCUMENTATION**

###### **3.3.1 Documentation on life-saving appliances:**

.1 general arrangement plan of lifeboats and rescue boats, liferafts, marine evacuation systems and their launching appliances, as well as means of embarkation that provide access to survival craft in the water (\*);

.2 arrangement plan of survival craft muster and embarkation stations, means of illumination and means of protection from seas, as well as means to prevent any entry of water into the survival craft (\*);

.3 list of life-saving appliances including their technical specifications (\*);

.4 arrangement plan and drawing of securing of personal life-saving appliances (\*);

.5 necessary calculations and data proving the compliance with the RS rules (\*);



### **3.3.2 Documentation on signal means:**

- .1 arrangement plan of navigation lights, flashing lights, as well as pyrotechnic and sound signal means with indication of their principal location (\*);
- .2 list of signal means with indication of their principal characteristics (\*\*);
- .3 connection circuits of navigation lights, flashing lights, as well as of electric sound signal means (\*).

### **3.3.3 Documentation on navigation bridge:**

- .1 **bridge layout drawings**(\*) showing:
  - .1.1 configuration and location of all workstations on the bridge, including workplaces for execution of additional function of the bridge, indicating width of passageways, deckhead heights, height of entrances and doors, the lower edge of deckhead-mounted equipment;
  - .1.2 configuration and dimensions of workstation consoles, including console foundation;
  - .1.3 chairs in workstation with indication of minimum and maximum heights of adjustment.
- .2 **Arrangement plans of equipment** (\*) (at least in two views) showing location of all radio and navigational equipment in all workstation consoles, as well as equipment located elsewhere on the navigation bridge and out of it that is functionally connected with the bridge.
- .3 **Fields of vision drawings** (\*) showing:
  - .3.1 horizontal fields of vision from all workstations, including the arc of individual blind sectors and sum of blind sectors forward of the beam (over an arc of 180° from side to side right ahead);
  - .3.2 vertical field of vision over the bow under the most adverse conditions of draught, trim and deck cargo location from conning position and the workstation for navigation and manoeuvring, including the line of sight under the upper edge of the window from standing working position at the workstation and above the lower edge of the window from sitting working position;
  - .3.3 visibility of the ship's side from bridge wings;
  - .3.4 window arrangement, including inclination, dimensions, framing and height of lower and upper edge above bridge deck surface, as well as the height of the deckhead.

### **3.3.4 Documentation on radio and navigational equipment:**

- .1 list of radio and navigation equipment installed (\*\*).
- .2 **block diagram of radio and navigational equipment** (\*) with indication of commutation of aerials and diagrams of power supply.
- .3 **block diagram of public address system** (\*) with indication of location of main and remote command broadcast microphone posts;
- .4 **arrangement plans of aerials:** (in three views) (\*) with indication of:
  - .4.1 all transmitting aerials, including tuning devices;
  - .4.2 all receiving aerials;
  - .4.3 radar aerials (with indication of rotation radius of the aerial, and any other ship structures or cargo (masts, derricks, containers, etc.), which can affect radiowaves propagation or impair the radar system performance);
  - .4.4 satellite communication equipment aerials;
  - .4.5 GNSS receiver aerials;
  - .4.6 location of float-free EPIRB;
  - .4.7 location of the standard magnetic compass;
  - .4.8 location of VDR fixed and float-free recording mediums (capsules);
  - .4.9 location of microphones of sound reception system."

## **3.4 DETAILED DESIGN DOCUMENTATION FOR EQUIPMENT OF A SHIP UNDER CONSTRUCTION**

### **3.4.1 General documentation:**

- .1 list of spare parts.

### **3.4.2 Documentation on life-saving appliances:**

- .1 arrangement plans of lifeboats and rescue boats, liferafts, marine evacuation systems and their launching appliances (\*);
- .2 drawings (\*) and calculations (\*\*) of launching appliances of lifeboats and liferafts;
- .3 drawings (\*) and calculations (\*\*) of means of embarkation that provide access to liferafts in the water;

- .4 drawings of securing of launching appliances for lifeboats and liferafts (\*);
- .5 drawings of securing of means of embarkation that provide access to liferafts in the water (\*);
- .6 drawings of securing of lifeboats and liferafts in stowed-for-sea position (\*);
- .7 drawings of securing of personal life-saving appliances (\*);
- .8 drawings of securing of hydrostatic release units.

#### **3.4.3 Documentation on signal means:**

- .1 drawings of signal masts and their rigging (\*);
- .2 installation and securing drawings of signal means (\*).

#### **3.4.4 Documentation on radio and navigational equipment:**

##### **.1 list of all relevant installed bridge equipment (\*\*) with indication of:**

- .1.1 type;
- .1.2 model;
- .1.3 manufacturer;
- .1.4 supplier;
- .1.5 information on valid type approval (number of the Type Approval Certificates (CTO, form

6.8.3) issued by the Register), if type approval is required according to the Nomenclature of Items of the RS Technical Supervision.

##### **.2 wiring diagram (\*) (according to CTO) of radio and navigational equipment (\*) to be indicated (if applicable):**

- .2.1 connections of aerials;
- .2.2 diagrams of power supply from main, emergency and reserve sources of electrical power (GMDSS accumulators);
- .2.3 automatic circuit breakers;
- .2.4 connection of chargers;
- .2.5 connection of GNSS receiver (GPS/GLONASS, etc) to VHF/MF/HF radio installations, satellite communication equipment and other navigational equipment;
- .2.6 interfacing of gyrocompass / remote transmitting heading device to other equipment;
- .2.5 connection to voyage data recorder (VDR);
- .2.6 type and cross-sectional areas of cables;

##### **.3 calculation of the capacity of reserve source of electrical power (accumulators) for supplying of GMDSS radio equipment (\*\*);**

##### **.4 list of information (data) to be recorded by voyage data recorder (\*\*) with indication of format and data sources (equipment, sensors) (if applicable)."**

New **Chapter 3.5** "Programmes of mooring and sea trials (\*)" (the requirements of **paras 3.2.7.1** and **3.2.7.2** are transferred hereto) shall be introduced.

**Chapter 3.3** (existing) shall be renumbered as **Chapter 3.6** accordingly.