



# RUSSIAN MARITIME REGISTER OF SHIPPING

**CIRCULAR LETTER**

**No. 340-04-1590c**

dated 29.06.2021

Re:

amendments to the Rules for the Classification Surveys of Ships in Service and Annexes thereto, 2021, ND No. 2-020101-012-E based on the experience of technical supervision

Item(s) of supervision:

ships and offshore installations in service

Entry-into-force date:

**15.07.2021**

~~Valid till:~~

~~Validity period extended till:~~

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

~~dated~~

Number of pages:

1+9

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Parts I "General Provisions", II "Survey Schedule and Scope" and III "Additional Surveys of Ships Depending on their Purpose and Hull Material", and Annex 2 "Instructions for Determination of the Technical Condition and Repair of the Hulls of Sea-Going Ships"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that the Rules for the Classification Surveys of Ships in Service and Annexes thereto shall be amended as specified in the Appendices to the Circular Letter.

It is necessary to do the following:

1. Familiarize the RS surveyors and interested organizations in the area of the RS Branch Offices' activity with the content of the Circular Letter.
2. Apply the provisions of the Circular Letter during survey of ships and offshore installations in service.

List of the amended and/or introduced paras/chapters/sections:

Part I: paras 2.1 and 5.12.6

Part II: Table 2.1.1-1, paras 2.2.7.9, 2.2.7.10.2, 2.3.4.1, 2.4.2.2.4, 2.4.4.3.10, 2.4.7.10 — 2.4.7.10.4, 2.5.1.1, 2.5.5.7, 2.8.1.1.1 and 4.7.1

Part III: paras 1.3.1.1, 1.3.1.2.13 and 1.3.1.3.13, Appendix 1.3 and Appendix 1.3-1, paras 1.4.3.1.7 and 6.1.1.5, Chapter 6.9, paras 19.2.2.3.1.5 and 19.2.2.3.1.6

Annex 2: paras 3.2.1.4 and 6.4.6

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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 2.1	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
2	Part I, para 5.12.6	Terminology has been specified	340-04-1590c of 29.06.2021	15.07.2021
3	Part II, Table 2.1.1-1	In item 4.6.8, the requirements for the scope of special surveys of mechanical telegraphs have been specified. In items 7.1.1, 7.1.2 and 7.2.1, the requirements for the scope of intermediate surveys of the items of electric propulsion plants and generators of main and emergency sources of electrical power have been specified	340-04-1590c of 29.06.2021	15.07.2021
4	Part II, para 2.2.7.9	IEC standard reference number has been specified considering IACS Recommendation No.35 (Rev.2 Feb 2020)	340-04-1590c of 29.06.2021	15.07.2021
5	Part II, para 2.2.7.10.2	IEC standard reference number has been specified considering IACS Recommendation No.35 (Rev.2 Feb 2020)	340-04-1590c of 29.06.2021	15.07.2021
6	Part II, para 2.3.4.1	IEC standard reference number has been specified considering IACS Recommendation No.35 (Rev.2 Feb 2020)	340-04-1590c of 29.06.2021	15.07.2021
7	Part II, para 2.4.2.2.4	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
8	Part II, para 2.4.4.3.10	Requirements for hydraulic testing of high pressure carbon dioxide cylinders have been specified	340-04-1590c of 29.06.2021	15.07.2021

Nos.	Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
9	Part II, paras 2.4.7.10 — 2.4.7.10.4	Para 2.4.7.10 has been revised. Numbering of paras 2.4.7.10.1 — 2.4.7.10.4 without changing their requirements has been introduced. IEC standard reference number has been specified considering IACS Recommendation No.35 (Rev.2 Feb 2020)	340-04-1590c of 29.06.2021	15.07.2021
10	Part II, para 2.5.1.1	Title of the Guidelines on the Classification and Survey of Yachts has been specified	340-04-1590c of 29.06.2021	15.07.2021
11	Part II, para 2.5.5.7	New para containing requirements for bottom survey of berth-connected ships with distinguishing mark <b>UWILD</b> or <b>UWILD-S</b> in the class notation	340-04-1590c of 29.06.2021	15.07.2021
12	Part II, para 2.8.1.1.1	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
13	Part II, para 4.7.1	Terminology has been specified	340-04-1590c of 29.06.2021	15.07.2021
14	Part III, para 1.3.1.1	Para has been supplemented with a provision stipulating that during the initial survey for transfer of class, the survey programme submitted by the losing society may be allowed for use	340-04-1590c of 29.06.2021	15.07.2021
15	Part III, para 1.3.1.2.13	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
16	Part III, para 1.3.1.3.13	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
17	Part III, Appendix 1.3	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
18	Part III, Appendix 1.3-1	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
19	Part III, para 1.4.3.1.7	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
20	Part III, para 6.1.1.5	References to the applicable requirements have been specified	340-04-1590c of 29.06.2021	15.07.2021
21	Part III, Chapter 6.9	Chapter has been deleted to avoid duplication of the requirements of Chapter 5.13	340-04-1590c of 29.06.2021	15.07.2021

Nos.	Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
22	Part III, para 19.2.2.3.1.5	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
23	Part III, para 19.2.2.3.1.6	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
24	Annex 2, para 3.2.1.4	Amendments have been made for the Russian version of the Rules only	340-04-1590c of 29.06.2021	15.07.2021
25	Annex 2, para 6.4.6	Requirement for sending the copy of preliminary TM Report has been specified	340-04-1590c of 29.06.2021	15.07.2021

**RULES FOR THE CLASSIFICATION SURVEYS OF SHIPS IN SERVICE, 2021,**  
**ND No. 2-020101-012-E**

**PART I. GENERAL PROVISIONS**

**2 DEFINITIONS AND EXPLANATIONS**

**2.1 DEFINITIONS APPLIED TO ALL SHIPS**

- 1 Amendments are for the Russian version of the Rules only.

**5 ASSESSMENT OF THE SHIP TECHNICAL CONDITION**

- 2 **Para 5.12.6** is replaced by the following text:

**"5.12.6** The results of the ship's hull technical condition assessment shall be submitted by the shipowner to the RS surveyor carrying out the survey in the form of set of records in accordance with 2.1.6 and 2.1.7 of Annex 2 to these Rules, as applicable.

In applicable cases, verification of the hull girder section modulus/ultimate section modulus according to 2.1.6 and 2.1.7 of Annex 2 to these Rules may be performed at the shipowner's request by the RS Branch Office or RHO Location having enough resources to perform this verification.

Set of records on results of hull technical condition assessment shall be agreed/certified by the Register prior to survey completion.

The set of records on hull technical condition assessment agreed/certified by the Register shall be kept on board the ship as well as in the ship file in accordance with the RS internal procedures."

## PART II. SURVEY SCHEDULE AND SCOPE

### 2 PERIODICAL SURVEYS

3 **Table 2.1.1-1. Item 4.6.8** is replaced by the following text:

"

4.6.8	Mechanical telegraphs	P	P	P	P	P	P	P	P	P	P	P	P
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"

4 **Table 2.1.1-1. Item 7.1** is replaced by the following text:

"

7.1	Electric propulsion plants:												
	.1 main generators, exciters, electric propulsion motors and electromagnetic clutches	P	MP	OMP									
	.2 switchboards	P	P	OEMP									
	.3 desks and panels for control and monitoring	P	P	OEMP									

"

5 **Table 2.1.1-1. Item 7.2** is replaced by the following text:

"

7.2	Main and emergency sources of electrical power:												
	.1 generators	P	MP	OMP									
	.2 storage batteries	MP	MP	OMP									

"

6 **Para 2.2.7.9** is replaced by the following text:

**"2.2.7.9** The insulation resistance of cabling, as well as of electrical equipment and cable runs in dangerous spaces and areas shall be measured.

Such spaces and areas as well as classification of dangerous zones are given in 2.9, 19.2, 19.3 and 19.11 of Part XI "Electrical Equipment" of the Rules for the Classification and Construction of Sea-Going Ships. During inspections, provisions of IEC 60079-17:2013 shall be met.

Repaired or replaced electrical equipment shall be surveyed in accordance with IEC 60079-17:2013."

7 **Para 2.2.7.10.2** is replaced by the following text:

**"2.2.7.10.2** Repaired or replaced electrical equipment shall be surveyed in accordance with IEC 60079-17:2013."

8 **Para 2.3.4.1** is replaced by the following text:

**"2.3.4.1** At intermediate survey, in addition to the scope of annual survey mentioned in 2.2.7, measurements of insulation resistance of generators and electric motors of essential equipment, including cables and switches, shall be carried out.

In oil tankers, gas carriers, chemical tankers and other types of ships with spaces and areas, in which explosive mixtures of vapours, gases or dust with air are likely to occur, the electrical equipment, cables and earthing of dangerous zones (dangerous spaces and areas as well as classification of dangerous zones are given in 2.9, 19.2, 19.3 and 19.11, Part XI "Electrical Equipment" of the Rules for the Classification and Construction of Sea-Going Ships) shall be examined (as a minimum according to IEC 60079-17:2013) and the insulation resistance of electric circuits shall be measured.

Where the ship's logs are kept properly, approval of the latest measured data may be considered."

9 **Para 2.4.2.2.4.** Amendments are for the Russian version of the Rules only.

10 **Para 2.4.4.3.10.** The fourth paragraph is replaced by the following text:

"At least 10 % of all high pressure carbon dioxide cylinders shall be subjected to hydraulic testing starting from the second special survey and then after two intervals between special surveys having regard that the maximum interval between hydraulic tests shall not exceed 10 years. If one or more carbon dioxide cylinders fail, a total of 50 % of the onboard cylinders shall be subject to hydraulic tests. Flexible hoses shall be replaced at intervals recommended by the manufacturer and not exceeding 10 years, except for bellows-type flexible metal hoses. Bellows-type flexible metal hoses shall be subject to annual visual examination and when required upon examination results, replaced."

11 **Para 2.4.7.10** is replaced by the following text:

**"2.4.7.10** Electrical equipment and cables in dangerous spaces and areas.

**2.4.7.10.1** Dangerous spaces and areas as well as classification of dangerous zones are given in 2.9, 19.2, 19.3 and 19.11, of Part XI "Electrical Equipment" of the Rules for the Construction and Classification of Sea-Going Ships. During inspections, provisions of IEC 60079-17:2013 shall be met.

**2.4.7.10.2** During examination, in addition to the requirements of 2.4.7.6, the following shall be checked:

- condition of cable on the catwalk and compensation devices;
- availability and condition of earthing of cargo pipelines, rigging of masts, explosion-proof equipment, vent pipes;
- integrity of protective casings, gratings, housings of electrical equipment, glasses of explosion-proof lighting fixtures, external protective cable sheathing;

interlocks ensuring the possibility of electrical equipment connecting or admission of the personnel after the sufficient ventilation of the room;  
interlocks excluding connection of portable electrical equipment under voltage;  
tightness of cable conduit if a cable gland lead-in is provided by the design;  
availability and serviceability of earthing.

**2.4.7.10.3** Scope of special survey of electrical equipment and cables installed in oil and chemical tankers as well as gas carriers shall include the scope of annual survey specified in 2.2.7.10. The RS surveyor may require function testing if defects are found or suspected.

**2.4.7.10.4** Additionally, at special survey, the insulation monitoring with alarm shall be tested and Megger testing of power circuits shall be carried out. Megger testing in gas dangerous spaces may involve risk of explosion due to sparks."

12 **Para 2.5.1.1** is replaced by the following text:

"**2.5.1.1** Provisions of this Chapter shall apply to all ships and floating facilities (hereinafter referred to as "the ships") under the RS class.

Exceptions are MODU and FOP (other than those specified in 2.5.5.3), inland navigation ships (for European inland waterways), small craft as well as pleasure craft including yachts, for which the schedule and procedures for survey of the outside of the ship's bottom (hereinafter referred to as "the bottom survey") are specified in Section 19, Part III "Additional Surveys of Ships Depending on their Purpose and Hull Material" of these Rules (for MODU and FOP), in the Rules for the Surveys of Inland Navigation Ships in Service (for European Inland Waterways), Rules for the Classification and Surveys of Small Craft, Rules for the Classification and Construction of Pleasure Craft, Guidelines on the Classification and Survey of Yachts."

13 New **para 2.5.5.7** is introduced reading as follows:

"**2.5.5.7** Ships fitted for long-term operation without dry-docking.

**2.5.5.7.1** These provisions shall apply to berth-connected ships with distinguishing mark **UWILD** or **UWILD-S** in the class notation.

**2.5.5.7.2** Unless shorter periods are provided in as-built/operational documentation or by the shipyard, the intervals between bottom surveys shall be as follows:

first survey: 10 years after construction;

subsequent surveys: at intervals not exceeding 5 years.

**2.5.5.7.3** Bottom survey of a ship less than 25 years of age shall be carried out from inside and as in-water survey according to 2.5.8, and for a ship of 25 years of age and over — in a dry dock and in conjunction with special surveys (except for the first one) for renewal of the Classification Certificate.

At first special survey of the ship of 5 years of age, the whole ship's bottom shall be thoroughly examined from inside.

**2.5.5.7.4** The possibility of the in-water survey carried out after the ship reached 25 years of age as an alternative to a bottom survey in dry dock shall be considered by RHO upon receipt of the owner's written request and taking into account the available information on technical condition of the items of the ship's bottom.

**2.5.5.7.5** The in-water survey or bottom survey in dry dock may be required before the intervals specified in 2.5.5.7.2 if the compliance of the ship's bottom condition with these Rules cannot be confirmed by the results of in-water survey using underwater television or another survey or the reduced interval is prescribed by the design or operational documentation or the shipyard conclusion."

14 **Para 2.8.1.1.1.** Amendments are for the Russian version of the Rules only.

## 4 OTHER SURVEYS

15 **Para 4.7.1** is replaced by the following text:

"4.7.1 Requests for assessment of technical condition of ships without RS class are performed by the RS Branch Offices upon the RHO authorization according the appropriate RS internal procedures."

## PART III. ADDITIONAL SURVEYS OF SHIPS DEPENDING ON THEIR PURPOSE AND HULL MATERIAL

### 1 GENERAL

16 **Para 1.3.1.1** is supplemented by the following text:

"At initial survey for transfer of class, the survey programme developed or approved by the issuing ACS — IACS member for the relevant survey (intermediate or special) may be allowed for use with a record "Valid for initial survey [an actual date shall be specified]" made, duly signed and stamped by the RS surveyor, provided that the provisions specified in 1.3.1.1.1 — 1.3.1.1.5, 1.3.1.3 and 1.3.1.4 are met."

17 **Para 1.3.1.2.13.** Amendments are for the Russian version of the Rules only.

18 **Para 1.3.1.3.13.** Amendments are for the Russian version of the Rules only.

19 **Appendix 1.3.** Amendments are for the Russian version of the Rules only.

20 **Appendix 1.3-1.** Amendments are for the Russian version of the Rules only.

21 **Para 1.4.3.1.7.** Amendments are for the Russian version of the Rules only.

### 6 SURVEYS OF DOUBLE SKIN BULK CARRIERS

22 **Para 6.1.1.5** is replaced by the following text:

"6.1.1.5 Stoppers and securing devices of hatch covers for cargo holds Nos. 1 and 2 of bulk carriers, as defined in 5.13.1.1, shall comply with the requirements of 5.13 (IACS UR S30) by the dates specified in 5.13.1.2."

23 **Chapter 6.9** is deleted.

### 19 HULL, EQUIPMENT AND MACHINERY SURVEYS OF MODU AND FOP

24 **Para 19.2.2.3.1.5.** Amendments are for the Russian version of the Rules only.

25 **Para 19.2.2.3.1.6.** Amendments are for the Russian version of the Rules only.

## INSTRUCTIONS FOR DETERMINATION OF THE TECHNICAL CONDITION AND REPAIR OF THE HULLS OF SEA-GOING SHIPS

### 3 PROCEDURE OF INSPECTION (FLAW DETECTION) OF THE SHIP'S HULL

26 **Para 3.2.1.4.** Amendments are for the Russian version of the Rules only.

### 6 THE PROCEDURE FOR RECORDING THICKNESS MEASUREMENTS AND OTHER DEFECT PARAMETERS

27 **Para 6.4.6** is replaced by the following text:

**"6.4.6** For the cases, when final TM Report was not submitted before completion of survey (refer to 6.4.2), the copy of the preliminary TM Report shall be send to the RS Branch Office for in-service supervision within 10 working days after completion of the survey in electronic (scanned) format taking into account 6.4.5. A copy of the Minutes of Meeting prior to Commencement of the Thickness Measurements (form 6.6.1) together with appropriate Attachments thereto duly filled in and containing all necessary signatures and stamps/seals shall be attached to the copy of preliminary TM Report. The accompanying letter to the RS Branch Office for in-service supervision shall include an entry that preliminary TM Report was submitted with reference to the number of the RS Report with condition of class concerning necessity to submit final TM Report in assigned terms. The preliminary TM Report shall be kept at the RS Branch Office which performed the survey of the ship, and by the RS surveyor who was engaged in survey of the ship and supervision of thickness measurements at least until endorsement of the final TM Report after receipt thereof. The preliminary TM Report shall be kept at the RS Branch Office for in-service supervision until that moment when the duly endorsed final TM Report will be received and appropriate condition of class will be deleted from the List of Survey's Status by the RS Branch Office which endorsed the TM Report."