

GUIDELINES

ON TECHNICAL SUPERVISION OF SHIPS UNDER CONSTRUCTION

ND No. 2-030101-042-E

RULE CHANGE NOTICE

ENTERS INTO FORCE:

01.01.2025



St. Petersburg
2024

GUIDELINES ON TECHNICAL SUPERVISION OF SHIPS UNDER CONSTRUCTION

The present Rule Change Notice to the Guidelines on Technical Supervision of Ships under Construction (hereinafter — RCN) has been approved in accordance with the established approval procedure and contains information on amendments and additions, except for editorial amendments. RCN amendments come into force on 1 January 2025.

REVISION HISTORY

Item	Applicability	Description	Remarks
Section 2, Appendices 3 – 8	Ships under construction Checks of the ship launching readiness	Appendix 3 and the references thereto have been deleted. Appendices 4 – 8 and the references thereto have been renumbered, accordingly	
Para 8.4.2.2.4	Ships under construction Survey of the ballast system during the mooring trials	Requirement has been deleted regarding measurement of the actual highest pressure in ballast compartments when water overflows through the air pipes	
Para 9.7.2.2.6	Ships under construction Survey of the boiler plant Mooring and sea trials	Requirement for sealing one of the boiler main safety valves has been amended	
Para 17.6.20.1	Ships under construction Ballast water management systems Acceptance tests	Reference to the applicable international requirements has been introduced	IACS Recommendation No. 180
Section 20 (new)	Ships under construction Survey of computer based systems	New Section has been introduced containing requirements for survey of computer based systems on ships with the distinguishing mark CYBER or CYBER-A in the class notation	

2 HULL

APPENDIX 3

CHECK LIST OF THE SHIP LAUNCHING READINESS

Appendix 3 and the references thereto are deleted.

Appendices 4 – 8 and the references thereto are renumbered **3 – 7**, accordingly.

8 SYSTEMS AND PIPING

8.4 SURVEY OF SYSTEMS AND PIPING DURING MOORING AND SEA TRIALS

Para 8.4.2.2.4 is amended as follows:

".4 actual capacity of ballast pumps when pumping-out ballast from the remotest tanks and ~~actual highest pressure in ballast compartments when water overflows through the air pipes (on prototype ships only).~~".

9 BOILERS, HEAT EXCHANGERS AND PRESSURE VESSELS

9.7 MOORING AND SEA TRIALS OF BOILER PLANTS

Para 9.7.2.2.6 is amended as follows:

"9.7.2.2.6 Where the results of the external examination and check of the safety valve adjustment are satisfactory, one of the boiler main safety valves shall be sealed ~~by~~ under the supervision of the RS surveyor to which effect an appropriate note shall be made in the Register documents."

17 ARRANGEMENTS FOR THE PREVENTION OF POLLUTION FROM SHIPS

17.6 FUNCTIONAL TEST

Para 17.6.20.1 is amended as follows:

"17.6.20.1 After installation on board the ship performed in accordance with 17.4.23.1.4, the ballast water management systems shall be tested in compliance with IMO circular BWM.2/Circ.70/Rev.1 (considering IACS Recommendation No. 180). Upon results of acceptance tests performed in compliance with the requirements of the above-mentioned circular, a written report shall be submitted containing self-monitoring methods, results and information on self-monitoring parameters."

20 SURVEY OF COMPUTER BASED SYSTEMS FOR COMPLIANCE WITH THE CYBER RESILIENCE REQUIREMENTS

New Section 20 is introduced reading as follows:

"20 SURVEY OF COMPUTER BASED SYSTEMS FOR COMPLIANCE WITH THE CYBER RESILIENCE REQUIREMENTS

20.1 Cyber resilience tests of computer based systems (CBS) shall be conducted upon completion of installation and commissioning works.

20.2 For ships with the distinguishing mark **CYBER** in the class notation, tests of CBS specified in 1.1, Part XXI "Cyber Resilience" of the Rules for the Classification and Construction shall be conducted witnessed by the RS surveyor. Tests of CBS shall be conducted in accordance with the approved test program and procedure.

20.3 For ships with the distinguishing mark **CYBER-A** in the class notation, tests of CBS shall be conducted in the scope corresponding to the scope of tests for ships with the distinguishing mark **CYBER** in the class notation in compliance with 20.2. In addition, cyber security of the CBS on-board and information networks shall be verified by the RS-recognized firm.

20.4 For ships with the distinguishing mark **CYBER-A** in the class notation, the scope of verification may include additional CBS not specified in 1.1, Part XXI "Cyber Resilience" of the Rules for the Classification and Construction.

20.5 During verification by the RS-recognized firm, at least the following works shall be carried out:

- inventory of CBS;
- review of the CBS documentation as well as organizational and regulatory documentation on cyber resilience;
- analysis of software and hardware settings, including the information security tools;
- identification of software and hardware deficiencies, including the information security tools, by analyzing the configuration of installed software and security updates using security identification of software and hardware deficiencies, including the information security tools, network services available for networking using security monitoring (analysis) tools.

In case the deficiencies in CBS are identified, the systems integrator shall implement measures to eliminate these deficiencies and/or reduce the impact from cyber incidents which may occur due to identified deficiencies.

20.6 The distinguishing mark **CYBER-A** shall be added to the character of classification of the ship upon completion of the above verifications based on the report issued by the RS-recognized firm and confirming that there are no deficiencies on the ship or measures have been implemented to reduce the impact from cyber incidents which may occur due to identified deficiencies.

The report shall be drawn up on the letterhead of the firm and shall contain at least the following information:

- name and IMO number of the ship subjected to verification;
- date and place of verification;
- name of the firm, which performed verification, indicating a number of the valid Certificate of Firm Conformity;
- full name of the specialist who performed verification;
- list of works performed during cyber safety verification of CBS on-board and information networks;
- list of CBS subjected to verification;
- confirmation that there are no deficiencies on the ship or measures have been implemented to reduce the impact from cyber incidents which may occur due to identified deficiencies."

Russian Maritime Register of Shipping

**Rule Change Notice to the Guidelines
on Technical Supervision of Ships under Construction**

Endorsed: 24-212672

FAI "Russian Maritime Register of Shipping"
7, Litera A, Millionnaya Ul.,
St. Petersburg, 191181, Russian Federation
www.rs-class.org/en/