

GUIDELINES

ON APPLICATION OF THE REQUIREMENTS OF INTERNATIONAL CONVENTION FOR THE CONTROL AND MANAGEMENT OF SHIPS' BALLAST WATER AND SEDIMENTS, 2004

ND No. 2-030101-030-E

RULE CHANGE NOTICE

ENTERS INTO FORCE:

01.01.2025



St. Petersburg
2024

GUIDELINES ON APPLICATION OF THE REQUIREMENTS OF INTERNATIONAL CONVENTION FOR THE CONTROL AND MANAGEMENT OF SHIPS' BALLAST WATER AND SEDIMENTS, 2004

The present Rule Change Notice to the Guidelines on application of the requirements of International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004 (hereinafter — RCN) has been approved in accordance with the established approval procedure and contains information on amendments, except for editorial amendments. RCN amendments come in force on 1 January 2025.

REVISION HISTORY

| Item | Applicability | Description | Remarks |
|--|--|---|--|
| Part I, para 1.1.9 | Ships under construction and in service Ballast Water Management System Standard of the ballast water management | Reference to the new Appendix 5 has been introduced | |
| Part I, para 1.1.11 (new) | Ships under construction and in service Ballast Water Management System Major conversion | Requirements have been introduced to comply with the unified interpretations to the International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004 and the BWMS Code | IMO circular BWM.2/Circ.66/Rev.5 |
| Part I, para 1.2.1 (new) | Ships under construction and in service Technical documentation | The new definition "Challenging water quality (CWQ)" has been introduced | IMO resolution MEPC.387(81) |
| Part I, para 2.2.2 (new) | Ships under construction and in service Ballast Water Management Plan | Additional requirements have been introduced to the BWM Plan | IMO resolution MEPC.387(81) |
| Part I, para 4.1.1.1 | Ships under construction and in service Ballast Water Management System Commissioning test | Reference to the current international requirements has been updated | IACS recommendation No. 180 (April 2024) |
| Part I, para 4.1.1.5 | Ships under construction and in service Ballast Water Management System Commissioning test | Reference to the current international requirements has been updated | IACS recommendation No. 180 (April 2024) |

Guidelines on application of the requirements of International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004

| Item | Applicability | Description | Remarks |
|--------------------------------------|--|--|--|
| Part I, para 4.2.1.2 | Ships in service Technical documentation Ballast Water Record Book | Definitions have been brought in line with the current international requirements. References to the current international requirements have been updated | IMO circular BWM.2/Circ.80 |
| Part I, para 4.2.1.3 | Ships under construction and in service Ballast Water Management System Commissioning test | Reference to the current international requirements has been updated | IACS recommendation No. 180 (April 2024) |
| Part I, para 4.3.1.1 | Ships under construction and in service Ballast Water Management System Commissioning test | Reference to the current international requirements has been updated | IACS recommendation No. 180 (April 2024) |
| Appendix 5 (new) | Ships under construction and in service | The appendix containing a scheme for application of Regulation B-3 of the Annex to the International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004 has been introduced | Regulation B-3 of the Annex to the International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004 |

PART I. TECHNICAL SUPERVISION

1 GENERAL

1.1 APPLICATION

Para 1.1.9. The first paragraph is amended as follows:

"1.1.9 As to the requirements for ballast water management and control for ships according to IMO resolution MEPC.297(72), amendments to regulation B-3 of the Annex to the Convention have been adopted considering the following (refer to Appendix 5):".

New para 1.1.11 is introduced reading as follows

"1.1.11 In accordance with IMO Circular BWM.2/Circ.66/Rev.5A, a ship constructed before 8 September 2017 which has undergone a major conversion on or after 8 September 2017 shall be deemed as a ship constructed on or after 8 September 2017 and shall comply with 1.1.9.5.

If the major conversion has occurred before the renewal survey specified in 1.1.9.10, the said ship shall meet the D-2 standard from the date of completion of the major conversion. If the major conversion has occurred after the renewal survey specified in 1.1.9.10, the said ship shall meet the D-2 standard from the date of completion of the renewal survey specified in 1.1.9.10."

1.2 DEFINITIONS AND EXPLANATIONS

Para 1.2.1. After the definition "Land-based testing" the new definition "**Challenging water quality**" is introduced reading as follows:

"Challenging water quality (CWQ) means the ambient uptake water having quality parameters (including but not limited to high total suspended solids, or turbidity) that cause a properly installed, maintained and operated type-approved Ballast Water Management System to be temporarily inoperable due to an operational limitation or an inability to meet operational demand. However, temperature and salinity are not parameters that define CWQ."

2 APPROVAL OF BALLAST WATER MANAGEMENT PLAN

2.2 GENERAL

New para 2.2.2 is introduced reading as follows:

"2.2.2 In addition to 2.2.1, when operating in the challenging water quality conditions, the Ballast Water Management Plan shall be updated in accordance with IMO resolution MEPC.387(81), the Interim guidance on the application of the BWM Convention to ships operating in challenging water quality conditions, and re-approved by the Administration or by its authorized organization, and shall include at least:

procedures and intervals of the BWMS maintenance so to keep the system serviceable in the CWQ conditions;

predetermined measures ensuring the BWMS sustainable operation or reconditioning in the CWQ conditions;

a table of critical alarms that would cause an emergency shut-down of BWMS and the corresponding procedures to follow when they are triggered;
ship-specific alternatives to bypassing BWMS;
safe bypass procedures that minimize the exposure of tanks/piping to the untreated water;
procedure of managing the CWQ ballast taken via bypass, with regard for Appendix 1 to IMO resolution MEPC.387(81)."

4 SHIPS SURVEYS FOR BALLAST WATER MANAGEMENT

4.1 TYPES OF SURVEYS

Para 4.1.1.1 is amended as follows:

"4.1.1.1 an initial survey before the ship is put in service or before the Certificate required under regulation E-2 or E-3 is issued for the first time. This survey shall verify that the ballast water management plan required by regulation B-1 and any associated structure, equipment, systems, fitting, arrangements and material or processes comply fully with the requirements of this Convention. This survey shall confirm that a commissioning test has been conducted to validate the installation of any ballast water management system by demonstrating that its mechanical, physical, chemical and biological processes are working properly, taking into account the guidelines developed by IMO (IMO Circular BWM.2/Circ.70/Rev.1) and IACS recommendation No. 180 (April 2024) (the document is available on the IACS website (www.iacs.org.uk));"

Para 4.1.1.5 is amended as follows:

"4.1.1.5 an additional survey, either general or partial, according to the circumstances, shall be made after a change, replacement, or significant repair of the structure, equipment, systems, fittings, arrangements and material necessary to achieve full compliance with the Convention. The survey shall be such as to ensure that any such change, replacement, or significant repair has been effectively made, so that the ship complies with the requirements of the Convention. When an additional survey is undertaken for the installation of any ballast water management system, this survey shall confirm that a commissioning test has been conducted to validate the installation of the system by demonstrating that its mechanical, physical, chemical and biological processes are working properly, taking into account the guidelines developed by IMO (IMO Circular BWM.2/Circ.70/Rev.1) and IACS recommendation No. 180 (April 2024) (the document is available on the IACS website (www.iacs.org.uk));"

4.2 TECHNICAL DOCUMENTATION

Para 4.2.1.2 is replaced by the following text:

"4.2.1.2 Ballast Water Record Book that can be an electronic record book, taking into account IMO resolution MEPC.372(80). This record book shall at least contain information specified in Appendix II to the Annex to the Convention, subject to the amendments to IMO resolution MEPC.369(80). The record book shall be kept and stored in compliance with regulation B-2 of Annex to the Convention, taking into account IMO circular BWM.2/Circ.80;"

Para 4.2.1.3 is amended as follows:

".3 installation commissioning procedure and a written report confirming satisfactory operation of the ballast water treatment equipment during commissioning testing in accordance with the requirements of IMO circular BWM.2/Circ.70/Rev.1, taking into account IACS recommendation No. 180 (April 2024) (the document is available on the IACS website (www.iacs.org.uk)), based on research techniques specified in 4.8 of Part 4 of Annex to BWMS Code, or methods specified in Table 3 of the document BWM.2/Circ.42/Rev.2;"

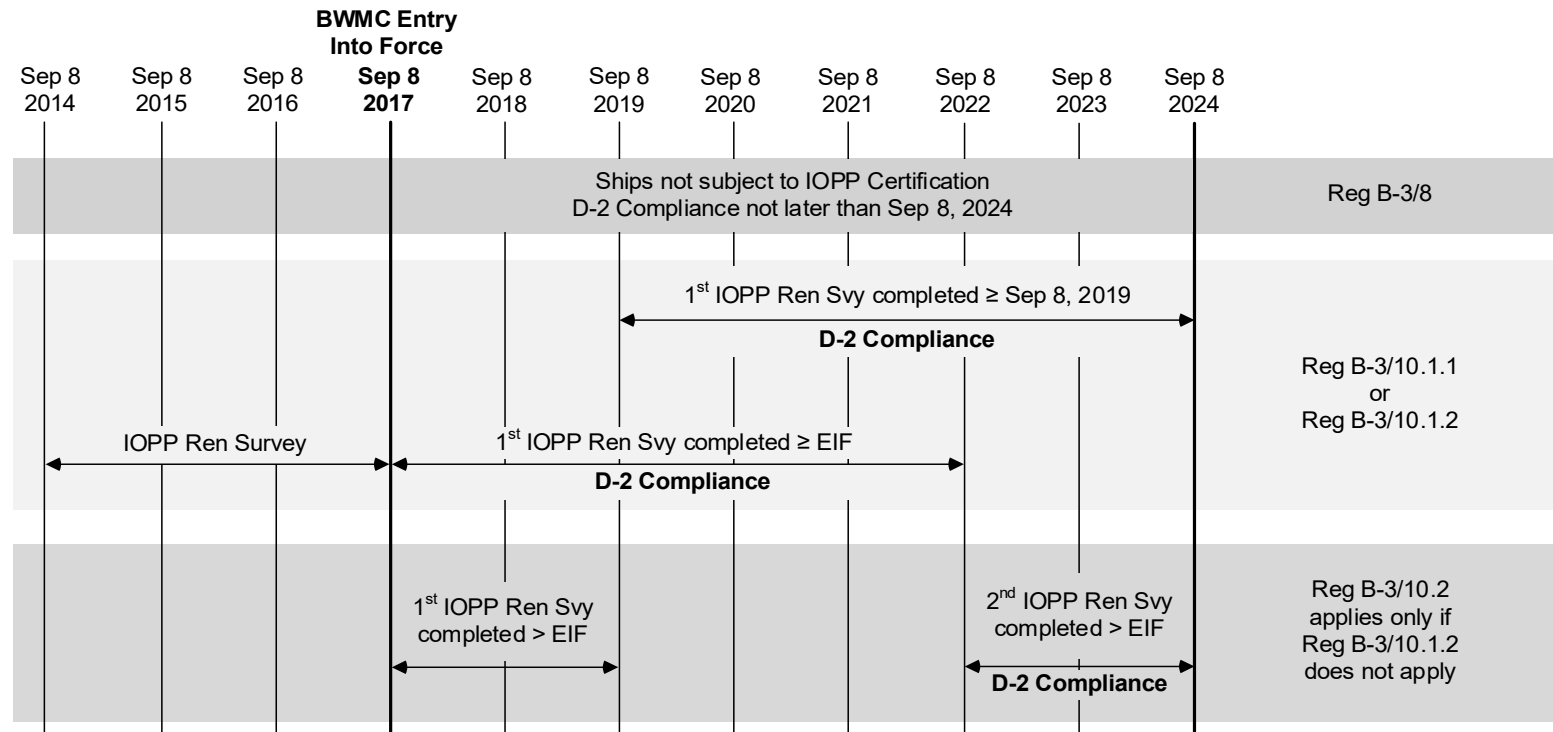
Para 4.3.1.1. The second paragraph is amended as follows:

"During installation of BWMS and prior to issue of the International Ballast Water Management Certificate (form 2.5.4), the procedure shall be performed in compliance with Section 8 of IMO resolution MEPC.174(58), MEPC.279(70) or the BWMS Code (depending on the IMO resolution the equipment has been approved), and the commissioning testing involving sample collection shall be conducted in accordance with the requirements of IMO circular BWM.2/Circ.70/Rev.1, taking into account IACS recommendation No. 180 (April 2024) (the document is available on the IACS website (www.iacs.org.uk)). When performing installation commissioning, firms engaged in sampling and analysis of ballast water and verification of the self-monitoring equipment during commissioning testing of ballast water management systems shall meet the requirements under Section 18 of Annex 1 to IACS UR Z17 (Rev.16 Aug 2021) "Procedural Requirements for Service Suppliers" available on IACS web-site (www.iacs.org.uk), which are implemented in Section 9 "Recognition of Service Suppliers" of Part I "General Regulations for Technical Supervision" of the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships."

The new **Appendix 5** is introduced reading as follows:

"APPENDIX 5

APPLICATION SCHEME FOR THE REGULATION B-3 OF THE ANNEX TO THE INTERNATIONAL CONVENTION FOR THE CONTROL AND MANAGEMENT OF SHIPS' BALLAST WATER AND SEDIMENTS, 2004*



*For ships constructed before 8 September 2017".

Russian Maritime Register of Shipping

**Rule Change Notice to the Guidelines on Application
of the Requirements of International Convention
for the Control and Management of Ships' Ballast Water
and Sediments, 2004**

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