

Ballast Water Management Systems (BWMS) Commissioning Tests

Amended Rules and Guidance

Rules for Approval of Manufacturers and Service Suppliers

Rules for Ballast Water Management Installations

Reason for Amendment

IACS UR Z17 specifies procedural requirements for the approval of service suppliers. Originally adopted in 1997, the UR has been revised numerous times in the years since and its requirements have already been incorporated into the NK Rules.

One of the UR's requirements specifies that firms engaged in BWMS commissioning testing be accredited in accordance with either ISO/IEC 17025, which is the standard related to the quality of testing and calibration laboratories, or the equivalent thereto. IACS reviewed this requirement and decided the quality of firms engaged in such testing could also be ensured if the firms comply with the other requirements in IACS UR Z17. Therefore, IACS adopted IACS UR Z17(Rev.18) which deleted the requirement related to ISO/IEC 17025.

At the 79th Session of the IMO Marine Environment Protection Committee (MEPC 79), the MEPC adopted BWM.2/Circ.66/Rev.4: a new interpretation for BWMS whose major components are changed or replaced that clarifies such BWMS are to be regarded as a being newly installed and are also to be subject to a new commissioning test.

Accordingly, all relevant requirements are amended based on IACS UR Z17(Rev.18) and BWM.2/Circ.66/Rev.4.

Outline of Amendment

- (1) Deletes requirements related to ISO/IEC 17025, which is the standard related to the quality of testing and calibration laboratories, from the Rules for Approval of Manufacturers and Service Suppliers.
- (2) Specifies that a BWMS whose major components are changed or replaced is to be regarded as being newly installed and is also to be subject to a new commissioning test in the Rules for Ballast Water Management Installations.

“Rules for approval of manufacturers and service suppliers” has been partly amended as follows:

Part 3 REQUIREMENTS FOR APPROVAL OF SERVICE SUPPLIERS

Chapter 18 FIRMS ENGAGED IN COMMISSIONING TESTING OF BALLAST WATER MANAGEMENT SYSTEM (BWMS)

18.1 General

Paragraph 18.1.2 has been amended as follows.

18.1.2 General Qualifications for Service Suppliers

1 Service suppliers are to be familiar with *BWMS* operations (including features and limits of each treatment technology and self-monitoring parameters).

~~**2** Service suppliers (including the laboratories conducting sample enumeration) are to be accredited to relevant standards such as *ISO/IEC 17025* (as amended) or the equivalent, as applicable.~~

32 Service suppliers are (irrespective of **1.2.8-1**) to be independent of *BWMS* manufacturers or suppliers (including shipyards).

43 Service suppliers may be required to present their confidential internal procedures for conducting the indicative testing to a Society surveyor.

~~**54**~~ Service suppliers are to have documents that prove the requirements for operators are satisfied in accordance with **18.3.1**.

~~**65**~~ Commissioning testing of *BWMS* is to be performed by the operators qualified in accordance with **18.3**.

“Rules for ballast water management installations” has been partly amended as follows:

Part 2 SURVEYS

Chapter 4 OCCASIONAL SURVEYS

4.1 Occasional Surveys*

4.1.1 General

Sub-paragraph -4 has been added as follows.

1 At Occasional Surveys, inspections are to be carried out on the relevant items of the requirements specified in **3.1.2** and **3.1.3**. In addition, Registration Surveys for such installations are to be carried out mutatis mutandis according to the degree of repairs or modifications made to the ballast water management installation and its relevant equipment. To implement the survey, in lieu of the traditional ordinary surveys where a surveyor is in attendance, the Society may approve survey methods which it considers to be appropriate.

2 For ships undergoing any installation, change, and replacement of their *BWMS*, the Occasional Surveys described in **2.1.3** are to be carried out.

3 For ships carrying out the Occasional Surveys described in **2.1.3** according to -2 above for which the completion date is on or after 1 June 2022, the confirmation inspection required by **2.1.3-2(10)** is to be included therein.

4 In cases where major components (as defined in the *BWMS* code) are changed or replaced, the *BWMS* is to be regarded as being newly installed and is to be confirmed in accordance with **2.1.3-2(10)**. In such cases, the International Ballast Water Management Certificate (IBWMC) is to be re-written.