



REPUBLIC OF CROATIA
Ministry of the Sea, Transport
and Infrastructure
Maritime Safety Directorate



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Ref. code: CIRC-MMPI-013
Title: Commissioning test of Ballast Water Management Systems
Effective as of: 1 January 2020
Reference: IMO documents as listed below
Application: Recognized classification societies, Shipowners, Ship Managers

When performing commissioning test of Ballast Water Management Systems (BWM Systems) on Croatian flagged ships the following instructions should be followed by the recognized classification societies (ROs).

1. BWM Systems installed on board Croatian flagged ships should be tested and operationally verified by the RO.
2. The following regulations (E-1.1 and E-1.5) of the Annex to the International Convention for the Control and Management of Ships' Ballast Water and Sediments of 2004 have been adopted and are being in line with Annex 4 of the Resolution A.1140(31).

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Regulation E-1 Surveys

Paragraph 1.1 is replaced by the following:

.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 to demonstrate that its mechanical, physical, chemical and biological processes are working properly, taking into account guidelines developed by the Organization.

Paragraph 1.5 is replaced by the following:

.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 this 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 this 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 to demonstrate that its mechanical, physical, chemical and biological processes are working properly, taking into account guidelines developed by the Organization.

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3. BWM Systems which are planned for installation on or after 1 Jan 2020 on Croatian flagged ships are to be inspected in the scope of commissioning the BWM Systems in accordance with the guidance provided in BWM 2./Circ.70 (attached).

The commissioning tests will be performed as a part of the installation process, simultaneously with the installation of the system by surveyors of the RO.

Exemptions for postponing of the test may be granted on a case by case basis by the Ministry for Maritime Affairs in cases of non-availability of a laboratory and upon written application of the RO.

4. International Ballast Water Management Certificate indicating compliance to Regulation D2 of the Annex to the BWM Convention should not be issued or endorsed until the completion of the commissioning test with satisfactory results.

It is to be noted that the commissioning test is not aiming to verify the type approval certificate of a BWM System.

5. However, in the case that the attending RO surveyor identifies discrepancies on the components of the system or its performance related to the items inspected in the scope of the issuance of a type approval certificate, the Ministry for Maritime Affairs should be consulted for further guidance with no International Ballast Water Management Certificate issued or endorsed indicating compliance to Regulation D2 of the Annex to the BWM Convention.

6. The sampling water collecting and analysing process should be taken from an ambient environment within the system design limitations. The analysis standard accepted is an indicative analysis with direct measurement as listed in BWM.2/Circ. 42/Rev. 1. The laboratory used should be accredited with ISO standard as applicable.

7. The commissioning of BWM system will be considered as successful if the operational test is successful and the indicative analysis report is evidencing the performance of the system to be in conformity with the values listed in Standard D-2 of the Annex of the BWM Convention.

Report is to be made available to RO and to the Ministry for Maritime Affairs by RO, when and if requested.

One copy of the report should be kept on board.

8. The survey itself should be conducted using the provisions of Annex 4 of Resolution A.1140(31) as a direct guidance.

9. All actions related to the commissioning test should be recorded in the Ballast Water Management Book.

