



KOREAN REGISTER OF SHIPPING

TECHNICAL INFORMATION

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Subject : Commissioning Testing of BWMS and miscellaneous requirement for Panama flagged ships

The BWM Convention(International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004. hereinafter BWM Convention), formally adopted in 2004, is the international measures to prevent and minimize the risk from spread of harmful and invasive aquatic species transferred from ships ballast water and entered into force on 8 September 2017.

MEPC 74 (May, 2019) approved the draft amendments to regulation E-1.1 and E-1.5 of the Ballast Water Management Convention (BWM Convention) which require the installed ballast water management system (BWMS) to undergo a commissioning test during the initial or additional ballast water management survey, and the purpose of this test is to verify that the mechanical, physical, chemical and biological processes of the installed BWMS are working properly, taking into account guidelines¹⁾ developed by the Organization.

In this regard, Panama Maritime Authority recently updated MMC-345 stipulating that the commissioning test including sampling analysis shall be carried out for BWMS²⁾ that is installed on board for ships of 400 GT and above after the updated MMC-345 was issued.

This information is relating to the Panama instruction for mandatory sampling analysis during commissioning test and inclusion of contingency measure in BWMP for Panama flagged ships, and thus we would like to provide our customers with the requirements and

1) BWM.2/Circ.70 : Guidance for the commissioning testing of ballast water management systems

2) In accordance with regulation B-3 of the BWM Convention, ships constructed on or after 8 September 2017 shall comply with D-2 standard by installing BWMS onboard, and ships constructed before 8 September 2017 shall comply with D-2 standard by installing BWMS by the IOPP renewal survey on or after 8 September 2019.

reference on the instruction above, ship owners with Panama flagged ships, builders, test facilities for ballast water and all related stakeholders are kindly invited to pay full attention to implement this instruction accordingly.

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1. Recognized Organizations should conduct an indicative analysis testing at the time of the Commissioning Test of the Ballast Water Management System to ascertain the biological efficacy of each BWMS installed, through a sampling analysis using as reference the guidance for commissioning testing 'BWM.2/Circ.70', In case that the indicative analysis testing result as non-compliance, then a detailed analysis shall be conducted. (refer to Guideline content in BWM.2-Circ.42-Rev.1)
2. Laboratories accepted or approved by the RO shall be used for commissioning test considering the requirements in the RO Code with regards to subcontracting and service suppliers. Commissioning test should not apply to ships that had already a BWMS installed and certified for D-2 standard.
3. Test facilities engaged to conduct the commissioning test(Sample analysis) shall be of testing laboratory which has an accreditation in accordance with ISO/IEC 17025 with regard to biology, environmental science.
4. BWMP developed as per the guideline on Resolution MEPC.127(53) adopted by the IMO on 22 July 2005, must be evaluated and approved by this Administration, and BWMP shall include contingency measures developed taking into account guidelines developed by the Organization. (Refer to the Guidance on contingency measures under the BWM Convention - BWM.2/Circ.62) BWMPs, which has been approved before this instruction without contingency measure, need not be re-approved

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Attachment : MMC-345 - 1 copy

Distributions : KR surveyors, Ship owners, Ship builders, Other stakeholders

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