

INTERNATIONAL CONVENTION FOR THE CONTROL AND MANAGEMENT OF SHIPS' BALLAST WATER AND SEDIMENTS (BWM CONVENTION)

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BWM CONVENTION

- BWM Convention finalized on 13 February 2004.
- Entry into force is on 8 September 2017.
- Two (2) management standards: D-1, ballast water exchange; and, D-2, ballast water treatment to reduce number of “viable” organisms (organisms able to reproduce).
- Purpose: to reduce the spread of “invasive species.”



BWM CONVENTION (continued)

- To meet the D-2 standard, ballast water treatment systems (BWTS) use various physical disinfection or chemical treatment technologies such as filtration, deoxygenation, UV, chlorination, etc., and active substances.
- Use of active substances means use of a substance that has a general or specific chemical or biological action on or against harmful aquatic organisms and pathogens. Example: sodium hypochlorite.
- Flag administration Type Approval required along with Classification Society (Class) approval for installation. International Maritime Organization (IMO) approval required for active substances.



BWM CONVENTION (continued)

- The BWM Convention includes 12 Guidelines
- Guideline G-8: Guidelines for Approval of Ballast Water Management Systems
- Guideline G-9: Procedures for Approval of Ballast Water Management Systems That Make Use of Active Substances
 - G-8/G-9 require both shipboard and land-based testing
 - Numerous systems now IMO Type Approved using various technologies
- System limitations found in testing may include salinity, temperature, turbidity, and capacity
- Additional limitations include space and power needs



BWM CONVENTION (continued)

- The BWM Convention provided for specific D-2 implementation / compliance dates.
- In November 2013, the Convention was still not fully ratified, so the IMO 28th Assembly adopted Resolution A 28/Res.1088, recommending enforcement date compliance extensions based upon EIF date and International Oil Pollution Prevention (IOPP) Certificate renewal.
- Enforcement: IMO Marine Environment Protection Committee (MEPC) 65 agreed to a Circular for ballast water sampling and analysis for trial use.
- IMO MEPC 67 adopted Guidelines for port State control (PSC) under the BWM Convention.



BWM CONVENTION TREATMENT IMPLEMENTATION DATES

Per IMO Resolution A 28/Res.1088

Applicable Convention Regulation	Vessel Ballast Capacity	Date Vessel Constructed	Compliance Date
B-3.3	< 5000 m ³	In or after 2009 but before EIF of Convention	First IOPP renewal survey after EIF of Convention
B-3.1.1	1500 m ³ to 5000 m ³	Before 2009	First IOPP renewal survey after EIF of Convention.
B-3.1.2	< 1500 m ³ or > 5000 m ³	Before 2009	First IOPP renewal survey after anniversary date of vessel delivery in 2016; or, if EIF after 2016, first IOPP renewal survey after EIF.
B-3.4	5000 m ³ or more	In or after 2009 but before 2012	First IOPP renewal survey after anniversary date of vessel delivery in 2016; or, if EIF after 2016, first IOPP renewal survey after EIF.
B-3.5	5000 m ³ or more	In or after 2012 but before EIF of Convention	First IOPP renewal survey after EIF of Convention



BWM CONVENTION (continued)

- Concern over adequacy of the G-8 Guidelines for Type Approval testing protocol has resulted in revised G-8 Guidelines (adopted by the MEPC on 28 October 2016).
- MEPC 68 in May 2015 agreed to a “Roadmap for the Implementation of the BWM Convention” that would allow continued use of installed BWTS approved under current G8 Guidelines for the life of the ship or system.
- So, “early movers” not penalized by revised and more stringent G-8 Type Approval process.



BWM CONVENTION (continued)

- MEPC 69 considered draft amendments to the BWM Convention Regulation B-3 concerning BWTS installation dates for D-2 compliance that reflect Assembly Resolution I088 and instructed the Secretariat to keep the draft amendments in abeyance for circulation after BWM Convention EIF.
- MEPC 70, 24-28 Oct 2016, considered additional proposals to extend the D-2 compliance date; agreed to a proposal cosponsored by the Republic of the Marshall Islands (RMI) about structuring of the experience building phase of the “Roadmap” (MEPC 69) along with continued “non-penalization;” and, agreed with the final report of the G-8 Guidelines revision Working Group and proposed G-8 revision.



BWM CONVENTION (continued)

- MEPC 71, expected to meet April 2017, will be asked to consider the following enforcement date alternatives for existing vessels:
 - the first renewal survey as determined by MEPC 71 following the date of entry into force of the BWM Convention, if this survey is completed on or after 8 September 2019;
 - the second renewal survey as determined by MEPC 71 following the date of entry into force of the BWM Convention, if the first renewal survey following the date of entry into force of the BWM Convention is completed prior to 8 September 2019; and,
 - a ship constructed on or after 8 September 2019 shall treat ballast water to meet the D-2 standard.



THANK YOU



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