

# *Update on the Ballast Water Management Convention*

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**LEADING THE WAY,  
MAKING A DIFFERENCE**



**INTERTANKO**



**INTERTANKO's Desired outcome for Ballast Water Management:**

**Tanker industry is able to achieve compliance with current and future discharge standards (both regionally and internationally)**

**Focus:**

1. Installation and Operation of appropriate and adequate ballast water management systems
2. Compliance and enforcement – need strong, well defined and realistic international regulations



## IMO Update

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### **1. Development of the Convention**

- *Port State Control*
- *Ballast Water Type Approval*
- *Implementation Schedule*

### **2. Current status going into MEPC 71**

- *Implementation Schedule*

### **3. Other important implementation matters to note**



## 1. Development of the Convention

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### Ballast Water Management Convention

- Adopted 13 February 2004
- Entry into force **8 September 2017**





## 1. Development of the Convention

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### **Ballast Water Management Convention**

MEPC 64 (2012) INTERTANKO et al. submission identified THREE key challenges:

- 1. Port State Control procedures** – should not be more onerous than BWMS Type Approval testing procedures
- 2. Guidelines for Type Approval of Ballast Water Management Systems (BWMS) G8** – not robust enough to provide reliable equipment
- 3. Availability of BWMS to meet Convention implementation schedule** – unrealistic

Following continued pressure at MEPCs 65, 66, 67, 68, 69, 70 and 71!



## 1. Development of the Convention

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### 1. Port State Control procedures

*should not be more onerous than BWMS Type Approval testing procedures*

- Trial Period (initially for 3 years) following entry into force
- To trial sampling and testing procedures
- During this period, port states will *'refrain from detaining a ship or initiating criminal sanctions in the event a BWMS does not meet the discharge standard'* (USA reserved position)



## 1. Development of the Convention

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### 1. Port State Control Guidelines – 4 stage approach

1. Initial inspection - focus on documentation and crew training to operate BWMS

*...clear grounds...*

2. More detailed inspection - check to ensure that BWMS operates properly\*
3. Indicative sampling - without unduly delaying ship, an indicative analysis of ballast water can be taken (G2 Guidelines on Sampling)
4. Detailed sampling - if indicative sampling exceeds D2 standard by a certain threshold, a detailed analysis of ballast water can be taken

*\* self-monitoring parameters*



### 1. Development of the Convention

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### 2. Guidelines for Type Approval of Ballast Water Management Systems G8

- 69 IMO Type Approved BWMS available
- Revised Type Approval Guidelines (G8) approved
  - Agreed to make the Revised G8 Guidelines mandatory through a Code
  - MEPC Resolution with time line for use of the Revised G8 Guidelines:
    - i. Administrations to use Revised G8 immediately and not later than **28 Oct 2018**
    - ii. All BWMS installed after **28 Oct 2020** to be approved against Revised G8
- **Road-map for the protection of early-movers** : those owners who've installed BWMS approved to current G8 **should not be penalized**





### 1. Development of the Convention

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### 2. Guidelines for Type Approval of Ballast Water Management Systems G8

- **Road-map for the protection of early-movers**
- *draft **Resolution for Non-penalization** - conditional on:*
  1. *Approved BWMS installed correctly and maintained*
  2. *BWMS operated in accordance with the manufacturers specifications*
  3. **Self-monitoring system** indicates BWMS operating correctly or port State advised BWMS defective (prior to discharge!)
- **Contingency Measures**
- *PSC trial period now expanded to include an ‘**Experience building phase**’;*
  1. *Data gathering stage – data on system reliability (system specific)*
  2. *Data analysis stage*
  3. *Convention Review Stage – 5 years after EIF?*



### 1. Development of the Convention

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#### 3. Availability of BWMS to meet Convention implementation schedule

Assembly Resolution A.1088 (28) adopted, Dec 2013 recommends governments to implement the Convention **based on the entry into force date** of the Convention

- *Ships constructed before the date of entry into force of the Convention shall install a ballast water management system (i.e. meet the standard described in regulation D-2) from the date of the first IOPPC renewal survey after the entry into force of the Convention.*
- *Ships constructed on or after the date of entry into force of the Convention shall have a ballast water management system installed (i.e. conduct Ballast Water Management that at least meets the standard described in regulation D-2).*

Text needs to be developed to implement the Resolution provisions into the BWM Convention upon its Entry into Force



## 1. Development of the Convention

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1. Liberia submission
2. Shipping industry submission

**Both papers sought the same objective.**

1. Majority of member States spoke in favour of amending the implementation schedule
2. Committee agreed to send an alternative implementation schedule and A.1088(28) to MEPC 71



## 2. Current status going into MEPC 71

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### **BWMC Implementation Schedule:**

#### Option 1. A.1088 (Japan):

- implementation for new buildings and existing ships begins **Sept 8, 2017**

#### Option 2. WP.12 alternative (China & Greece):

- implementation for new buildings and existing ships begins **Sept 8, 2019**

#### Option 3. Compromise (Brazil, Liberia, Norway, UK, Cook Isl., India):

- Sept 8, 2017 for ships constructed after this date
- Sept 8, 2019 for existing ships

As a proponent for Option 2 (WP.12), INTERTANKO will support this option going into MEPC 71



### 3. Other important implementation matters to note

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1. **Contingency Measures**
2. **Self-Monitoring Parameters**
3. **System Design Limitations (SDLs)**
4. **Ballast Water Exchange cannot be completed on the voyage**
5. **Exemptions and the Same Risk Area concept**
  - Risk assessment to be conducted by the owner
  - Coastal States to accept or not after completion of the RA



### Environmental Committee work

- *Simple Survey – straw-poll*
- *Expanded for technical detail*
- *Master’s feedback form*

<b>Survey Summary</b>	
<b>Number of Companies submitting data</b>	18
<b>Number of Companies with no BWMS in Fleet</b>	6
<b>Total Number of Tankers</b>	928
<b>Total with BWMS Installed</b>	220 (23.7%)
<b>Total without BWMS Installed</b>	708 (76.3%)
<b>Number of Different BWMS</b>	15

Hyundai HiBallast	41
Panasia Co. Ltd., GloEn Patrol	28
NK-03	25
Headway Technology OceanGuard	25
Techcross	24
Samsung Purimar	23
Alfa Laval PureBallast	20
OceanSaver Mark II	14
Ecochlor	9
NEI Treatment Systems	2
Hyde Marine, Hyde Guardian	2
Erma First, Erma First Fit	2
Wuxi Brightsky, BSKY 300	2
SunRui, Bal Clor	2
Miura System	1



**Thank you**