

**MEMORANDUM OF UNDERSTANDING ON
THE GLOBAL BALLAST WATER TEST ORGANIZATIONS NETWORK
“GloBal TestNet”**

Establishing a Global Ballast Water Test Organizations Network

1 There is a need for the development of effective and environmentally friendly ballast water management systems, as required by the 2004 International Convention for the Control and Management of Ships Ballast Water and Sediments (The Ballast Water Management Convention). Driven by this need, the technology development community is actively designing and constructing various ballast water management systems (“BWMS”) to cater to the emerging ballast water treatment market. Such treatment technologies are required to undergo rigorous testing and thorough approval processes, as per the 2004 IMO Ballast Water Management Convention.

2 Having met on several occasions, a number of organizations involved in the land-based and shipboard testing of BWMS (hereinafter called “the Members”), agree that it would be mutually beneficial to establish a global network to promote co-operation, comparability and accuracy of test results.

3 This Memorandum of Understanding (hereinafter called ‘the MoU’) is made between the Members for the establishment of a Global Ballast Water Test Organizations Network (hereinafter called ‘GloBal TestNet’).

Mission and functions

4 GloBal TestNet’s mission is:

“To promote comparable and accurate test results on the performance of ballast water management systems for certification, through an open exchange of information, transparency in methodologies and advancing the science of testing”.

5 The Members agree to:

5.1 discuss or share methods, analyses, procedures and protocols used to support certification testing, and provide insight and lessons learned, to help improve the overall quality and efficiency of BWMS testing by:

5.1.1 participation in quarterly correspondence by each Member via website, email list, conference call, etc.; and

5.1.2 participation in annual meetings by each Member, but representatives do not need to attend in person.

5.2. build awareness of, and coordinate where appropriate with, various Member testing activities;

5.3 work together toward consensus on standardization, to the extent possible, of test and analytical methods and approaches, to increase the comparability and accuracy of results among tests;

5.4 when possible, participate in cross-training and inter-calibration among the Members to increase comparability and consistency within GloBal TestNet;

5.5 when appropriate, assist in vetting or validation of new testing methods and analyses;

5.6 encouraging diverse input from scientific experts, including those outside the ballast water testing community;

Membership

6 The Network is open to any organization involved in the generation of data from land-based and/or shipboard testing for the certification of BWMS under 2004 IMO Ballast Water Management Convention and relevant Guidelines or other test protocols.

7 To be included as a Member of GloBal TestNet, testing organizations should be committed to the mission and have a quality plan and a no conflict of interest policy.

8 An organization fulfilling the criteria set out in Articles 6 and 7 may become a GloBal TestNet Member by applying to the Secretariat. In their application, they must provide a description of facilities and capabilities. The Secretariat will then circulate the intention of the applicant organization to all current Members.

Observers and advisers

9 GloBal TestNet welcomes outside expertise to their meetings and encourages scientific/engineering input from all related disciplines. The Steering Committee will invite observers and advisers from all stakeholders to meetings on a regular basis. Interested stakeholders can apply to the Steering Committee to take part in meetings.

Financial arrangements

10 Each Member is responsible for its own costs associated with activities under this MoU.

Organization

11 GloBal TestNet will be led and coordinated by a Steering Committee, which will be established. At least three continents shall be represented in the Steering Committee (North America, Asia and Europe, as of the initial drafting of this MoU). GloBal TestNet will be led and coordinated by a Steering Committee, which shall include at least representatives from three continents of North America, Asia and Europe

12 The representatives from the test facilities of each continent will elect their representative on the steering committee by two-thirds majority, using a procedure of their choice, by the end of November of each year for the following calendar year.

13 The members of the Steering Committee elect their chair unanimously by correspondence. If no unanimous decision can be reached, the position of chair rotates.

14 The Steering Committee should meet quarterly, in person or by teleconference, and the minutes of the meeting should be circulated to all other Members. Steering Committee meetings are open to all Members.


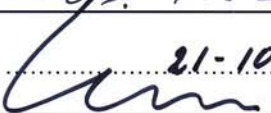





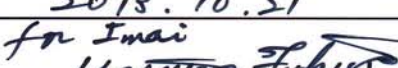
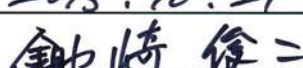




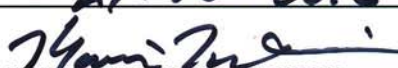
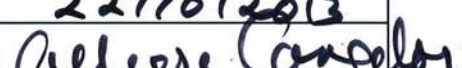
Withdrawal from the MoU by a Member

15 Any Member can withdraw from the MoU upon written notice served the Steering Committee and, upon receipt of such notice, will cease to be a party to this MoU.


Miscellaneous

16 Except as expressly provided, nothing in this MoU is intended to, or shall be deemed to, establish any partnership, collaboration, or joint venture between the Members or other parties, constitute either Member the agent of another, nor authorize a Member to make or enter into any commitments for or on behalf of any other Member.

SIGNING FORM FOR
THE GLOBAL BALLAST WATER TEST ORGANIZATIONS NETWORK

Test Organization GloBal TestNet Member	Point of Contact Name and Title	Signature and Date
Korea Institute of Ocean Science & Technology	Kyoungsoo Shin Director	 2013. 10. 21
Royal Netherlands Institute Sea Research	Louis Peperzak Ph.D. Project Leader	 21-10-2013
Goldsulft Hamburg, Germany	Stephan Gollack Managing Director Scientist	 21-10-2013
MEA.nl BV Netherlands	Etienne Brutel de la Riviere Man. Director	 21-10-2013
Korea Marine Equipment Research Institute	Youngsoo Kim Director	 21 Oct 2013
DHI Denmark	B. H. J. P. van Buijinen Area Manager	 2013. 10. 21
Laboratory of Aquatic Science Consultant	Tasuo Fukuyo Dr.	 2013. 10. 21
Fuyo Ocean Development & Engineering Co. Ltd	Daizo Imai Dr.	 2013. 10. 21
Marine Biological Research & Institute of Japan	Shunji Sukizaki General Manager.	 2013. 10. 21
Busan Techno Park MBC	S. G. Yi Manager	 2013. 10. 21
DHI SINGAPORE	Martin Andersen Head	 21/10-2013
NIVA Norway	Stephanie DePacqoix	 2013/10/21
Plymouth Marine Laboratory	Stephen de Mora Chief Executive	 21. 10. 2013
Maritime Environmental Resource Center	Mario Tamburri Director	 22/10/2013
NEMWI Great Ships Initiative	Allegra Cangelosi Director	 22/10/2013

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Test Organization Global TestNet Member	Point of Contact Name and Title	Signature and Date
GOLDEN BEAR FACILITY	BILLY DAVIDSON Director	 22/10/2013
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