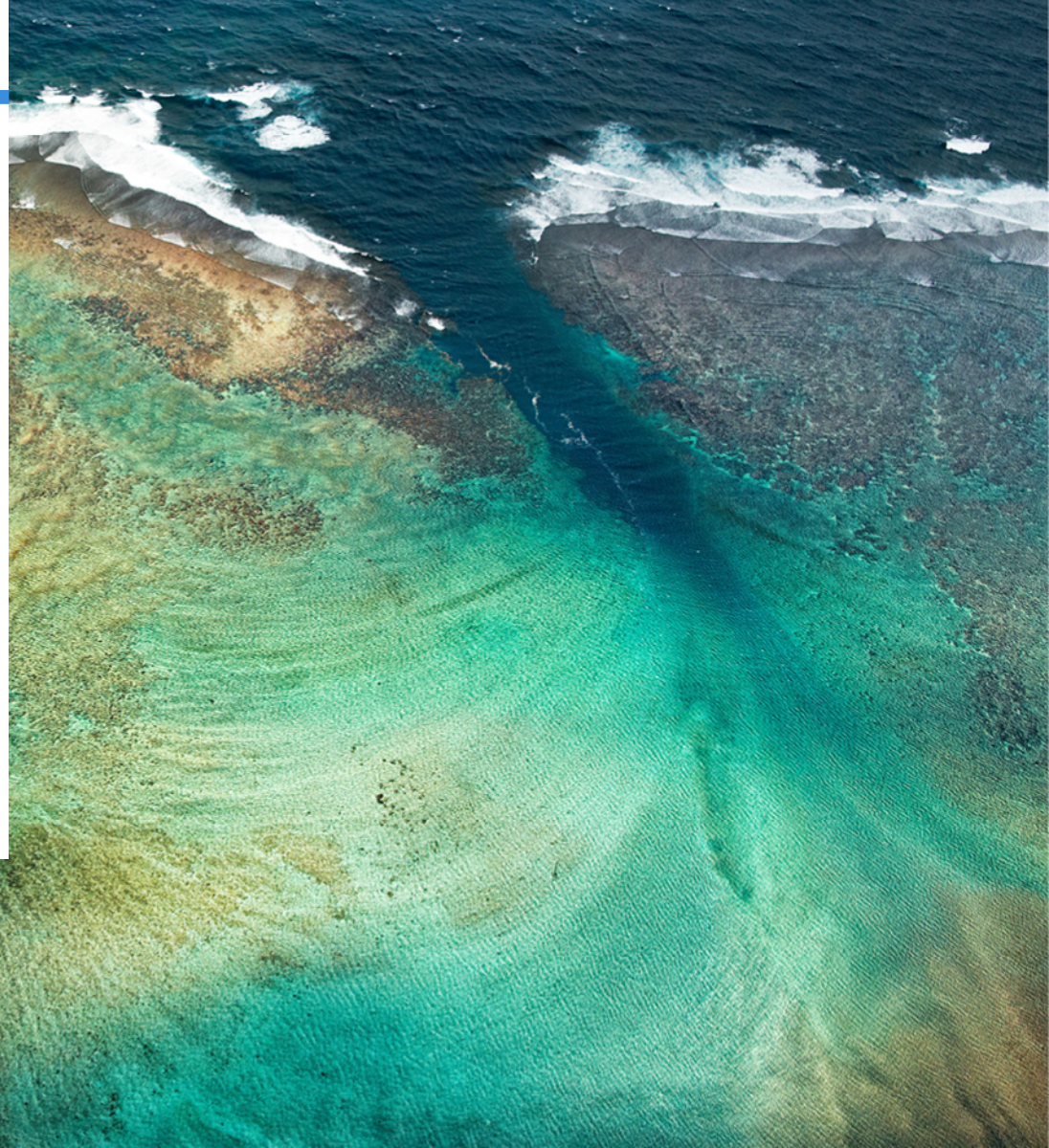


BWMS commissioning testing as a pre requisite for issuance of IBWMC

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Amendment to the BWM Convention

Regulation E-1.1.1 and E-1.1.5

- Following is added to the existing regulation,

“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.”

Adopted at MEPC-75

EIF – 1ST June 2022

Other requirements related to Commissioning Testing

HSSC Guidelines

- Paragraph 1.1.3.20 of annex 4 of the HSSC Guidelines states for Initial surveys;
“verifying that an operational test of the BWMS was carried out based on the installation commissioning procedures and that documented evidence is provided which shows compliance of the treated discharge ballast water with regulation D-2 through sampling and analysis based on applicable guidelines developed by the Organization”

Flag state own requirements

- Some individual flag state already implemented BWMS commissioning testing as a mandatory requirement for vessels under their jurisdiction.

Other requirements related to Commissioning Testing

MEPC 74- Endorsing BWMS commissioning testing

- Paragraph 4.54 of Report of MEPC 74,

“The Committee endorsed the view that commissioning testing should begin as soon as possible in accordance with BWM.2/Circ.70 and agreed to reflect this in the requisite resolution for the adoption of the relevant amendments to mandatory instruments. As an interim measure, the Committee urged Administrations to provide the recognized organizations which acted on their behalf with written and clear instructions in relation to the conduct of indicative analysis testing of BWMS at the time of their commissioning on board ships flying their flag, including what actions were to be taken in the event of this testing demonstrating non-compliance.”

BWMS Commissioning Testing

BWM.2/Circ.70, rev1 Guidance for the commissioning testing of BWMS

- The purpose of commissioning testing is to validate the installation of a ballast water management system (BWMS) by demonstrating that its mechanical, physical, chemical and biological processes are working properly. Commissioning testing is not intended to validate the design of type-approved BWMS that are approved by the Administration.
- Whilst there is no specified challenge condition for the ambient uptake water and local ambient water should be used, should the ambient water condition not be appropriate for the operation of BWMS (e.g. salinity of ambient water is outside the SDL of the BWMS), testing should be evaluated to the satisfaction of the administration.

BWMS Commissioning Testing.. continues

BWM.2/Circ.70, rev1 Guidance for the commissioning testing of BWMS

- The commissioning test is successful if the indicative analysis indicates that the discharge samples do not exceed the D-2 standard for the size classes analysed and the self-monitoring equipment indicates correct operation.
- Indicative analysis equipment used should be to the satisfaction of the Administration. Indicative analysis is defined in BWM.2/Circ.42/Rev.1 as may be amended.
- The collection and analysis of the representative samples should be independent of the BWMS manufacturer or supplier and to the satisfaction of the Administration.

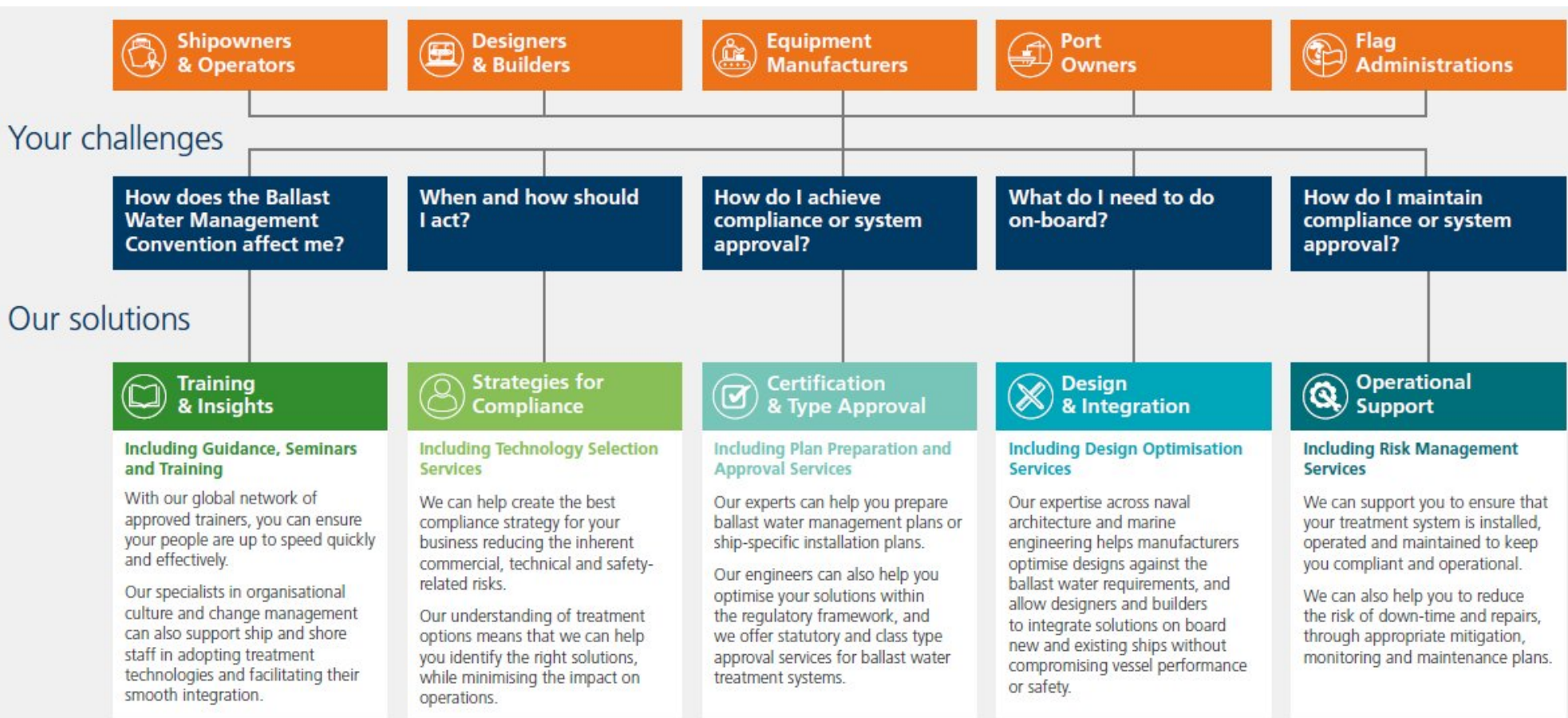
Issuing of IBWMC Certificate

What is the process to be issued with a IBWMC Certificate?

- Ship is provided with a Type approved BWMS, and it installed in accordance with the manufacturer's recommendation.
- Ship BWMP is updated with regulation D-2 compliance and approved on behalf of Flag administration.
- Ship's Flag (or RO on behalf of Flag) conduct initial survey to certify the BWMS installation.
- A commissioning test has been conducted and that ballast water discharge has been satisfactorily tested for compliance. (mandatory from 1st June 2022 for all qualifying ships)

More Information and LR services

Visit: <https://www.lr.org/en-gb/ballast-water-management/>



Thank you

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