

Familiarizing crews, surveyors and port state control officers with ballast

water management

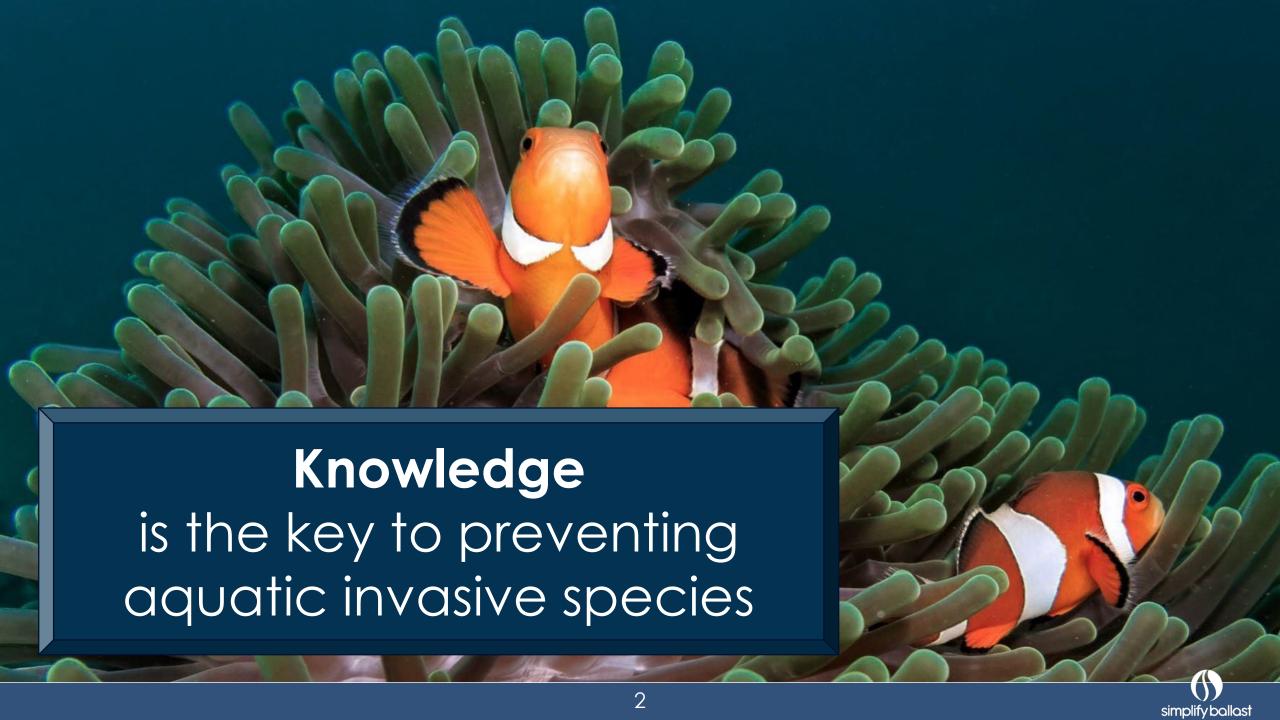
systems



Pacific Ballast Water and Biofouling Group Meeting

April 29 - 30, 2025, Long Beach, CA





The time is now

- September 8, 2024 marked the end of the implementation cycle
- Paris and Tokyo MOU have announced a focus on ballast water management in 2025
- More than 50 BWMS have both BWMS Code and USCG Type Approvals
- Are stakeholders ready for the shift from implementation to enforcement?





And there is so much information

- Ballast Water Record Book entries have recently changed
- Ballast Water Management Plans are the focus of challenging water discussions
- Thirteen active Guidelines under the Convention
- 84 published BWM.2 circulars
- New Challenging water guidance has recently been released
- New sampling and testing requirements have been issued
- The Convention Review process is expected to bring significant changes to the Convention and BWMS Code

- A. Need to understand their obligations under the Convention
- B. How to properly complete the Ballast Water Record Book
- C. How to use, and develop their Ballast Water Management Plan
- D. What can they do when the vessel is in challenging water?
- E. When and where (or even if) can they still use ballast water exchange



- A. How to inspect each of the different treatment systems available on the market
- 3. When is a vessel allowed to conduct ballast water exchange?
- C. Need to understand their responsibilities under the Convention
- D. How to determine when (or if) sampling is appropriate
- E. Need to understand the details of the Convention and its instruments



How to get the training you need

Face-to-Face

Delivered in person to a group of stakeholders

Allows interactive questions and answers tailored to the individual circumstance

High cost and need to arrange to get everyone in one place

Computer-based Training

Allows the training to be delivered on the schedule of the trainee

Lower cost and easier access for all stakeholders

Does not allow for interactive questions and tends to be generic





Simplify Ballast Offers It All

On-line, computer-based training

In-person, instructor led training

Customized packages incorporating individual needs, procedures, policies & regulations

Objectives of the Training

Each training package is designed to deliver a comprehensive training program to the student which improves their understanding of the key aspects of ballast water management.



Regulatory Requirements

Detailed review of the BWM Convention history, implementation schedule and ratification challenges, regulatory instruments under the Convention, and linking to the circulars, Guidelines, and applicable national regulations.



Technical Details of BWMS Design

Comprehensive information on BWMS design and approval processes for different technology types, understanding BWMS alarms, and steps for issues such as Challenging Water Quality or contingency measures.

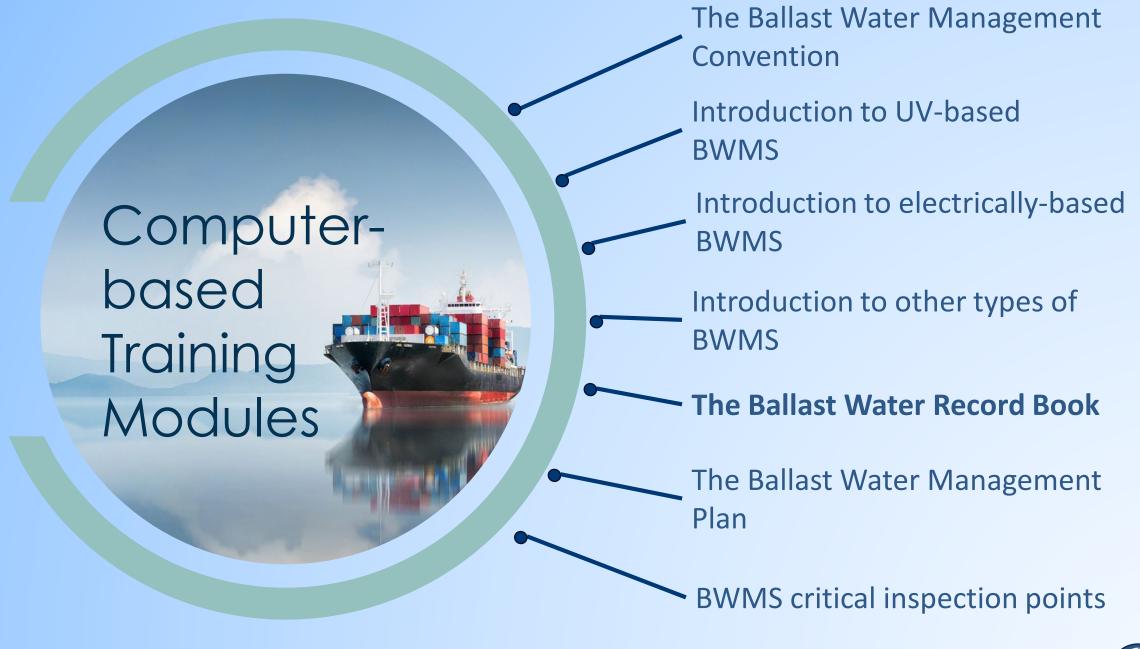


Enforcement & Inspections

Review of how inspections and PSC is envisioned under the Convention, Ballast Water Record Books, Ballast Water Management Plans, key BWMS inspection points and identifying common BWMS problems, and PSC options for compliance monitoring.







Two-Day In-Person Training

Day 1

☐ Module A

- ✓ BWM Convention
- ✓ IMO Guidelines, Circulars, and Unified Interpretations
- ✓ Port State Control
- ✓ BWMS Type Approval

☐ Module B

- ✓ UV-based BWMS
- ✓ Electricity-based BWMS
- ✓ Other types of BWMS

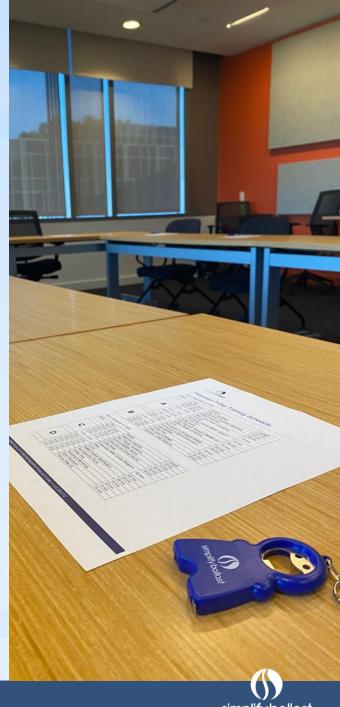
Day 2

■ Module C

- ✓ Common BWMS Failures
- ✓ Critical and Non-critical Alarms
- ✓ Challenging Water Quality Mitigation Steps

☐ Module D

- ✓ BWMS Problem Identification
- ✓ Key Inspection Points
- ✓ Sampling and Monitoring



Customized Training

At the request of Australia's Department of Agriculture, Fisheries and Forestry (DAFF), Simplify Ballast and partner EnviroManagement designed a specialized 3-day training session based on interviews with DAFF to understand current staff knowledge of BWMS and training needs while identifying experience gaps to build the confidence of Australia's Biosecurity Officers to support BWM enforcement in Australia.



The training focused on:



Regulatory Background

Improving knowledge of the Convention and linking international requirements to the Australian Biosecurity Act 2015.



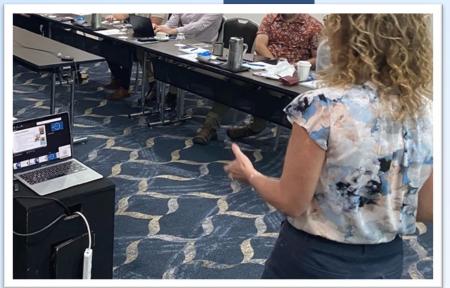
Familiarization with different BWMS

Comprehensively reviewed the design, type approval, and testing of different BMWS, highlighting critical features and inspection points



Port State Control Actions

Reviewed PSC guidelines, Ballast Water Record Book and Ballast Water Management Plan requirements, and demonstrated two PSC options for compliance monitoring.





Crew Training Programs



Shipping companies can create their own individualized training programs to cover:

- Company-specific policies and procedures
- > Focused on installed equipment
- Separate levels for different personnel based on their duties and responsibilities
- Trainers are trained for continuous training needs





Thank you!



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