
Ballastwater & Environmental Manufacturers' Association List of Verified Compliance Monitoring Devices (CMDs)

Updated: 05 August 2026

Purpose

During the 9th session of IMO's Sub-Committee on Pollution Prevention and Response (PPR 9), it was agreed that it would be beneficial to have a publicly available list of Compliance Monitoring Devices (CMDs) that have been verified in accordance with the IMO's "*Protocol for verification of ballast water compliance monitoring devices*" (BWM.2/Circ.78).

In response to this need, BEMA offered to host this list of verified CMDs on our website. This document and BEMA's website is the location where the list of verified CMD's will be permanently held. To be included on this list, manufacturers of CMD technologies that have been verified in accordance with the IMO's protocol may inform BEMA (info@bwema.org) and submit information on where to locate verification documentation and/or any testing data associated with the verification process, which BEMA will then share publicly within this document.

BEMA does not have any obligation to research verified technologies to be added to this list and all technologies wishing to be included in this list and posted on BEMA's website must submit their data directly to BEMA for posting. BEMA does not promote, endorse, recommend or otherwise support any particular CMD technology.

Currently Verified CMD Technologies:

1. **BallastWISE** - The compliance monitoring device BallastWISE, manufactured by MicroWISE ApS, has been verified and holds an ETV (Environmental Technology Verification) certificate in the form of a verification statement issued by ETA Danmark (dated 21 Jan 2025, Reg. # 2025001). The verification was based on the test protocol described in IMO document BWM.2/Circ.78 and with references to ISO 3725:2023. The verification statement concludes that BallastWISE can count and measure live organisms in the size ranges $\geq 10\mu\text{m}$ and $< 50\mu\text{m}$ (generally, phytoplankton) and $\geq 50\mu\text{m}$ (generally, zooplankton) with precision and detection limits similar to the reference detailed analysis, with virtually no false positives, and with highly correlated albeit conservative counts.

Location of information: <https://microwise.eu/> and <https://microwise.eu/publications/>

Published in IMO document MEPC 83/INF.23 (Denmark)

2. **FastBallast** - The compliance monitoring device FastBallast, manufactured by Chelsea Technologies Ltd., has been verified and holds a Verification Statement issued by DNV (dated 12 Jan 2026, document #36417159/DNV). The verification was based on the test protocol described in IMO document BWM.2/Circ.78. The verification statement concludes that the FastBallast

demonstrated reliable assessment of the density of living organisms in the $\geq 10\mu\text{m}$ and $< 50\mu\text{m}$ size range (generally, phytoplankton) with precision and detection limits similar to the reference detailed analysis (CMFDA/FDA), for use in assessing compliance with IMO's Regulation D-2 performance standard for ballast water discharges.

Location of information: <https://chelsea.co.uk/product/fastballast/> and https://chelsea.co.uk/wp-content/uploads/2026/06/DNV-verification-statement-for-FastBallast-CMD_rev1.pdf