



CERTIFICATE NUMBER	24-0031367-PDA
EFFECTIVE DATE	19-Jun-2024
EXPIRY DATE	18-Jun-2029
ABS TECHNICAL OFFICE	Singapore Engineering Services

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

BASS SOFTWARE LTD

located at

**332 AGIOU ANDREOU STR., PATRICIAN CHAMBERS, ,
LIMASSOL, Cyprus, 3035**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Software
Model: BASSnet Software Version 2.xx with service packs
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 18/Jun/2029 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping
Guanying Wu, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

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Tier: 2 - PDA Issued

Product: Software
Model: BASSnet Software Version 2.xx with service packs
Endorsements:

Intended Service:

BASSnet software is an electronic record book to replace traditional paper logbooks onboard marine and offshore assets as well as in owner/operator offices.

Description:

The following cases have been approved within the scope of this certificate, in accordance with MEPC.312(74) :

- Oil Record Book Part 1 (MARPOL Annex I, regulation 17.1)
- Oil Record Book Part 2 (MARPOL Annex I, regulation 36.1)
- Garbage Record Book Part 1 (MARPOL Annex V, regulation 10.3)
- Garbage Record Book Part 2 (MARPOL Annex V, regulation 10.3)
- Ozone-Depleting Substances Record Book (MARPOL Annex VI, regulation 12.6)

Rating:

Operating System: Windows 10/11 Professional (64 bit); Windows Server 2016/2019/2022 (64 bit)

Database: MS SQL 2017/2019/2022

CPU: 2.5 GHz Duo Core Processor or above (system type x64)

Memory: 8GB RAM or above

Hard Disk: 20GB or above

Service Restriction:

- 1) Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
- 2) The electronic record book is to be installed and used according to the manufacturer's recommendations.
- 3) The electronic record book and infrastructure related to the system including computers and peripherals is to be installed according to MEPC.312(74), Annex I, section 4.4.5.
- 4) The software version is to be updated with the latest IMO documents, including necessary amendments to MARPOL, to permit the sole use of this system.
- 5) This assessment concerns only the functionality and does not certify that the software is free from anomalies.

Comments:

- 1) The manufacturer has provided a declaration about the control of, or lack of Asbestos in this product.
- 2) This software is regarded as a System Category I in accordance with 4-9-3/7.1 Table 1 of the ABS Marine Vessel Rules.
- 3) The system operation manual is to be maintained on board.
- 4) The electronic system deemed to meet the system specifications stated in MEPC.312(74), Annex I, section 4 shall be provided with written confirmation by the Administration and carried on board the ship for the purpose of regulatory surveys or inspections. A declaration as per MEPC.312(74) Appendix is to be provided for each installation.

Notes/Drawing/Documentation:

Drawing No.: Dwg 1, Detailed Architecture of the BASSnet Suite, Revision: 2.3, Pages: 81

Drawing No.: Dwg 2, BASSnet Operations Product Sheet, Revision: -, Pages: 17

Drawing No.: Dwg 3, BASnet Operations 2.11SP3 Test Plan, Revision: 1.0, Pages: 24

Drawing No.: Dwg 4, BASSnet Operations - Oil Record Book Product Sheet, Revision: -, Pages: 21

Drawing No.: Dwg 5, BASSnet Operations - Oil Record Book User Manual, Revision: 01, Pages: 17

Drawing No.: Dwg 6, BASSnet Operations - Garbage Record Book Product Sheet, Revision: -, Pages: 10

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Drawing No.: Dwg 7, BASSnet Operations - Garbage Record Book User Manual, Revision: 01, Pages: 13

Drawing No.: Dwg 8, BASSnet Operations - ODS Record Book Product Sheet, Revision: -, Pages: 11

Drawing No.: Dwg 9, BASSnet Operations - ODS Record Book User Manual, Revision: 01, Pages: 19

Drawing No.: Dwg 10, List of Items (ORB, GRB, and ODS), Revision: -, Pages: 8

Drawing No.: Dwg 11, Survey Test Plan (MEPC.312(74)), Revision: -, Pages: 4

Drawing No.: Dwg 12, Test Cases - Oil Record Book, Revision: -, Pages: 18

Drawing No.: Dwg 13, Test Cases - Garbage Record Book and Ozone Depleting Substances Record Book, Revision: -, Pages: 3

Terms of Validity:

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STANDARDS

ABS Rules:

Rules for Conditions of Classification (2024) – 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

Rules for Building and Classing Marine Vessels: 4-9-3/7.1 Table 1, 4-9-3/15

National:

NA

International:

MARPOL Consolidated Edition (2017)

MEPC/Circ.736/Rev 2 – Guidance for the recording of operations in the Oil Record Book Part I – Machinery Space Operations (2011)

MEPC.312(74) - Guidelines for the use of Electronic Record Books under MARPOL (2019)

Government:

NA

EUMED:

NA

OTHERS:

NA