



CERTIFICATE NUMBER 22-2230306-PDA
EFFECTIVE DATE 01-April-2022
EXPIRATION DATE 31-March-2027
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 Fleet Management Software

Model BASSnet Software Version 2.xx with service packs

This Product Design Assessment (PDA) Certificate remains valid until 31-March-2027 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

Vibin Chandrabose, Senior Engineer

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

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Web: www.bassnet.no

Tier: 2 - PDA Issued

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

Intended Service:

Computerized Planned Maintenance Management System for application in Marine and Offshore Machinery Plants

Description:

Planned Maintenance Software module which can be utilized for Marine and Offshore Machinery, Equipment, Compartments, Units and Plants in association with the enrollment in the ABS Preventative (Planned) Maintenance Program.

Rating:

BASSnet Software Version 2.11.

The BASSnet software module can be utilized as a standalone Planned Maintenance Management System oriented implementation. Service packs are provided for fixing bugs, new features and improve stability of the software.

Service Restriction:

1. Unit certification is not required for this product.
2. This assessment concerns only the functionality and does not certify that the software is free from anomalies.
3. 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.

Comments:

1. Each particular application of the software module is to be individually approved in conjunction with a vessel's or a facility's enrollment in the Preventative (Planned) Maintenance Program, in accordance with section 7-A-14/13 of the Rules for Survey After Construction.
2. This software is regarded as a System Category I in accordance with 4-9-3/Table 1 of ABS Marine Vessel Rules. Traceability of the software, software version record, software modification and upgrades record and test after modifications during the validity period of this certificate are to be kept by the manufacturer and reported to ABS, in accordance with 4-9-3/Table 2 of ABS Marine Vessel Rules.
3. The system is to be installed and used according to the manufacturer's recommendations.
4. Compliance of IACS UR Z20 is limited to item 2.1.1 and item 2.1.3.
5. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

- Drawing No.: 1, BASSNET 2.9 MAINTENANCE HELP GUIDE, Revision: 1, Pages: 1
Drawing No.: 2, BASSNET 2.9 MATERIALS HELP GUIDE, Revision: 1, Pages: 1
Drawing No.: 3, BASSNET MAINTENANCE OPERATION POLICY, Revision: 1, Pages: 1
Drawing No.: 4, BASSNET 2.8 RELEASE NOTES 2014, Revision: 1, Pages: 1
Drawing No.: 5, BASSNET 2.8 SP1 RELEASE NOTES 2015, Revision: 1, Pages: 1
Drawing No.: 6, BASSNET 2.9 RELEASE NOTES 2014, Revision: 1, Pages: 1
Drawing No.: 7, BASSNET 2.9 SP1 RELEASE NOTES 2015, Revision: 1, Pages: 1
Drawing No.: 8, BASSNET 2.9 SP2 RELEASE NOTES 2016, Revision: 1, Pages: 1
Drawing No.: BASSnet General 2.9, SP2, Revision: 0, Pages: 12
Drawing No.: BASSnet Maintenance 2, SP2, Revision: 0, Pages: 17
Drawing No.: 1, BASSnet General 2.10, Revision: 1, Pages: 13
Drawing No.: 2, BASSnet 2.10 Maintenance Product Sheet, Revision: 1, Pages: 20
Drawing No.: 3, BASSnet 2.10 Release Notes [Maintenance & Materials], Revision: 1, Pages: 37
Drawing No.: 4, BASSnet 2.10 Maintenance Module Help File, Revision: 1, Pages: 358
Drawing No.: 5, BASSnet General 2.10 SP1, Revision: 1, Pages: 13

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Drawing No.: 6, BASSnet 2.10 SP1 Maintenance Product Sheet, Revision: 1, Pages: 20

Drawing No.: 7, BASSnet 2.10 SP1 Release Notes [Maintenance & Materials], Revision: 1, Pages: 21

Drawing No.: 8, BASSnet 2.10 SP1 Maintenance Module Help File, Revision: 1, Pages: 565

Drawing No.: 9, BASSnet 2.11 - General Product Sheet, Revision: 1, Pages: 17

Drawing No.: 10, BASSnet 2.11 Maintenance Product Sheet, Revision: 1, Pages: 23

Drawing No.: 11, BASSnet 2.11 Release Notes [Maintenance & Materials], Revision: 1, Pages: 14

Drawing No.: 12, BASSnet 2.11 Maintenance Module Help File, Revision: 1, Pages: 638

Drawing No.: 13, BASSnet Architecture - Detailed, Revision: 1, Pages: 81

Drawing No.: 14, BASSnet Architecture - Overview, Revision: 1, Pages: 17

Drawing No.: 15, BASSnet Cloud Deployment Model & Technical Specification, Revision: 1, Pages: 12

Drawing No.: 16, BASSnet On Premises Deployment Model & Technical Specification, Revision: 1, Pages: 16

Terms of Validity:

This Product Design Assessment (PDA) Certificate remains valid until 31/Mar/2027 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.

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STANDARDS**ABS Rules:**

2022 Rules for Conditions of Classification – 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2022 Rules for Building and Classing Marine Vessel Rules: 4-9-3/9

2022 Rules for Conditions of Classification – Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3

2022 Rules for Survey After Construction: 7-A-14

National:

NA

International:

IACS UR Z20 Planned maintenance scheme (PMS) for machinery - Rev.2 May 2019 (item 2.1.1, 2.1.3)

Government:

NA

EUMED:

NA

OTHERS:

NA