



CERTIFICATE NUMBER
17-SG1660813-PDA

DATE
23 Aug 2017

ABS TECHNICAL OFFICE
Singapore Engineering Services

CERTIFICATE OF DESIGN ASSESSMENT

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

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 17-SG1660813-PDA, dated 23/Aug/2017 remains valid until 22/Aug/2022 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Vibin Chandrabose
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 the terms and conditions as contained in 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: Fleet Management Software

Model: BASSnet Software Version 2.xx with service packs

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 2.9.

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.

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 the Steel Vessels 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 the Steel Vessels 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.

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

Terms of Validity:

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STANDARDS

ABS Rules:

ABS Rules for Conditions of Classification (2017): 1-1-4/7.7, 1-1-A3 and A4, which covers the following:
ABS Offshore Support Vessel Rules (2017): 4-9-3/9
ABS Steel Vessel Rules (2017): 4-9-3/9
ABS Rules for Survey After Construction (2017): 7-A-14/3.7

National:

NA

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

IACS UR Z20/item 2.1.1, 2.1.3