Marine & Offshore

Certificate number: 19460/D0 BV
File number: MMS67155/1
Product code: 0001

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

BASS SOFTWARE LTD
LIMASSOL - CYPRUS

for the type of product

MAINTENANCE MANAGEMENT SOFTWARE
BASSnet - Fleet Management Systems: BASSnet Maintenance
Version 2.X
(see limitations in clause 4)

Requirements:
Bureau Veritas Rules for the Classification of Steel Ships NR 496 DTM R01 E
Approval of Computerized Maintenance Management System used on board ships

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 30 Jan 2023

For Bureau Veritas Marine & Offshore,
At BV PIRAEUS, on 30 Jan 2018,
Spyros KONTOULIS

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION (software)

BASSnet Maintenance version 2.X is the Maintenance module of BASSnet - Fleet Management Systems. BASSnet - Fleet Management Systems is a Windows based Ship management System, including other modules such as Procurement, Administration and Document manager.

Programming language: .NET C#
Database Manager: Oracle Server 11g, Oracle Server 10g, Oracle 11g Express, Oracle 10g Express, MS SQL Server 2008, SQL Server 2008 Express.
Integrated Development Environment (IDE): Visual Studion 2015, Crystal Report XI, Microsoft SQL Server Management Studio.

2. DOCUMENTS AND DRAWINGS
- BASSnet Maintenance Operation Policy - Rev 1 - 10/03/2016.
- BASSnet 2.9 SP2 Demokit Instructions - V1.1 - 11/08/201.
- BASSnet 2.9 Maintenance - 18/05/2017.
- BASSnet 2.9 Materials - 18/05/2017.
- BASSnet Fleet Management Systems version 2.x - Rev 2.0 - 21/02/2017.
- BASSnet Maintenance 2.9 SP2 - 18/05/2017.
- Replicator 4.0 Help File - 08/08/2017.

3. TEST REPORTS
Demo version: BASSnet Fleet Management Systems 2.9 SP2 version 2.9.02.08 & setup data - 26/07/2017, tested as per report RRM/18/00010 dd 18/01/2018.

4. APPLICATION / LIMITATION
The approved Computerized Maintenance Management System is acceptable for use onboard BV classed vessels surveyed under Planned Maintenance System (PMS), or granted with STAR-MACH additional class notation.
 This certificate is valid for tested version BASSnet Maintenance 2.9 SP2 and later releases of version 2.X, provided that alterations of functionality remain in line with the Rules in force.
 Onboard installation and maintenance requirements:
- The system is to be installed and used according to the manufacturer's recommendations.
- The system is to store history of reported jobs, equipment breakdowns and damages for at least 5 years.
- Access rights are to be set in order to avoid unexpected or spiteful editing or deleting of maintenance histories and maintenance logs.
- The data is to be saved at regular intervals, so that it can be readily restored if needed without loss of essential information.

5. PRODUCTION SURVEY REQUIREMENTS
The Maintenance Management Software is to be manfucatured, examined and tested by BASS Software Ltd. in accordance with the type described in this certificate.

6. MARKING OF PRODUCT
 Identification is:
- Maker's name or trade mark: BASS Software Ltd.
- Software name and version: BASSnet - Fleet Management Systems - BASSnet Maintenance version 2.X.
The identification is displayed in menu "Help / About..." of the software. It is to be available in the software manual.

7. OTHERS
 7.1 - The approval only concerns the functionality and does not certify that the software is free from anomalies.
BASS Software Ltd. should notify **BUREAU VERITAS** of any modification or changes to the software in order to maintain the validity of the Type Approval Certificate or to renew it, as relevant.
This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the installed softwares at any time and that **BASS Software Ltd.** will accept full responsibility for informing shipbuilders, ship owners or their sub-contractors of the proper methods of use and general maintenance of the software and the conditions of this approval.
7.2 - **BASS Software Ltd.** web site address is www.bassnet.no.
7.3 - This certificate supersedes the Type Approval Certificate N° 19460/C0 BV, issued on 29/05/2012 by the Society.

*** END OF CERTIFICATE ***