



Marine & Offshore

Certificate number: 14497/B0 BV

File number: MMS58311/1

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

Star Information Systems AS
TRONDHEIM - NORWAY

for the type of product

MAINTENANCE MANAGEMENT SOFTWARE

STAR IPS

Version 3.x

(see limitations in clause 4)

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

NR 496 DTM R01E: "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 is a renewal of certificate N° 14497/A0 BV expiring on 05/05/2019

This certificate will expire on: 05 May 2024

For Bureau Veritas Marine & Offshore,

At BV OSLO, on 03 May 2019,

Rune MARSTEIN

Rune Marstein



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION (software)

STAR IPS software is a Windows based program providing support for Crewing, Document Management, Safety Management, Audit & Inspections, Maintenance, Project-Docking Management, Warehouse and Purchasing with related activities .

Language: Visual Basic 6

Hardware requirement:

- Server: Oracle 11g or 12. MS-Sql server ver. 2008, 2010 or 2012
- Workstation: Windows XP/Vista/Win 7/Win8/Win 10

Minimum hardware requirements:

- Server: Processor mini Pentium 600 MHz / RAM mini 4GB, recom. 8Gb / 10Gb Free Hard Disk Space
- Work station: Processor mini Pentium 500 MHz / RAM mini 1GB, recom. 4 Mb / 6 Gb Free Hard Disk Space

Production site:

Star Information System AS
Kjøpmannsgt 35 - N-7011 Trondheim - NORWAY
Main Office: +47 73 87 62 00
Company e-mail: company@sismarine.com
Web site address: www.sismarine.com

2. DOCUMENTS AND DRAWINGS

- Star Information & Planning System - Users Manual for version 3.2 (June 2011)
- Demo version 3.21.10.33 dd 09/08/2011.

3. TEST REPORTS

Demo version v3.21.10.33, tested as per report VSM/14/00018 dd 14/02/2014.

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 3.21.10.33 and later releases of version 3, 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.

The software is to be configured as follows:

- Class numbers should be included in the "Reference" of each Classified "Technical Account".
- In "Reports\Work histories" folder, the "Work history" report should display at least the following information: Technical Account ID; Technical Account Description; Technical Account Reference; Vessel; Work Instruction ID;

Work Instruction Description; Work Order Id; Corrective (Yes/No); Interval; Done Date; Done Value (counter); Due date; Due Value (counter); Comment (for overdue works); and Report.

- In "Reports\Work histories" folder, the "Work history" report should contain at least the following filters: From Date (Incl); To Date (Incl); Vessel; Technical Account Reference; Criticality; Only Corrective; and Completed after due.

- In "Reports\Technical information" folder, the "Technical accounts change log" report should contain at least the following information: Technical Account ID; Technical Account Description; Vessel; Change Log Title; Action; Created; Change Log date; Previous values Updated values; and Memo.

- In "Reports\Technical information" folder, the "Technical accounts change log" report should contain at least the following filters: From date; To date; Technical Account Reference; Vessel; and Criticality.

- In "Reports\Work histories" folder, the "Work change log" report should display at least the following information: Technical Account ID; Technical Account Description; Vessel; Work Instruction ID; Work Instruction Description; Type; Creation date; Deletion date; Change log date; Change log description; Previous values; Updated values; and Reason for change.

- In "Reports\Work histories" folder, the "Work change log" report should contain at least the following filters: From date; To date; Technical Account Reference; Vessel; and Criticality.

5. PRODUCTION SURVEY REQUIREMENTS

The maintenance management software is to be manufactured, examined and tested by Star Information System AS in accordance with the type described in this certificate.

6. MARKING OF PRODUCT

Identification is:

- Maker's name or trade mark: Star Information System AS;
- Software name and version: STAR IPS – Version 3.x.

Identification is displayed in the title of the software main window and is to be available in software manual.

7. OTHERS

7.1 - The approval only concerns the functionality and does not certify that the software is free from anomalies.

STAR INFORMATION SYSTEM AS, NORWAY 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 **STAR INFORMATION SYSTEM AS, NORWAY**, 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.

*** END OF CERTIFICATE ***