



Marine & Offshore

Certificate number: 21520/D0 BV

File number: MMS54983/2

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

Logimatic Solutions A/S

Aalborg SV - DENMARK

for the type of product

MAINTENANCE MANAGEMENT SOFTWARE

SERTICA Maintenance

Version 5.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 is a renewal of certificate N° 21520/C0 BV expiring on 22/01/2019

This certificate will expire on: 22 Jan 2024

For Bureau Veritas Marine & Offshore,

At BV FREDERICIA, on 06 Dec 2018,

Jesper Jensen



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)

Starting from April, 1st 2011, the software "LOGIHOLD Planned Maintenance" is renamed "SERTICA Maintenance".

SERTICA Maintenance is a Windows based program for management of Components, Maintenance, Condition control, Spare parts, Requisition and Documentation.

Language: Microsoft.NET

Database type: Microsoft SQL Server 2005 Express Edition with Advanced Services

Reports generation / Data extraction: Business Intelligence

Production site: LOGIMATIC SOLUTIONS A/S - Sofiendalsvej 5 - 9200 Aalborg SV - DENMARK

LOGIMATIC SOLUTIONS A/S web site address is www.logimatic.dk.

2. DOCUMENTS AND DRAWINGS

Documents and drawings examined in the scope of this approval are under the previous software name.

- LOGIHOLD V5 - General Description + User guide Version 4, dated October 2008.

- LOGIHOLD V5 - Patch Installation Guide, dated 03/12/2008

3. TEST REPORTS

The report of the tests carried out in the scope of this approval is under the previous software name.

LOGIHOLD V5 Demo version 5.0.8.4, tested as per report VSM/09/00012.

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 5.0.8.4 and later releases of version 5, 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 manufactured, examined and tested by LOGIMATIC SOLUTIONS A/S in accordance with the type described in this certificate.

6. MARKING OF PRODUCT

Identification is:

- Maker's name or trade mark: LOGIMATIC SOLUTIONS A/S,

- Software name and version: SERTICA Maintenance - Version 5.x

Identification is displayed in menu "Help - About ..." of the software, and 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.

LOGIMATIC SOLUTIONS A/S, DENMARK, 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 **LOGIMATIC SOLUTIONS A/S, DENMARK**, 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 *****