Marine & Offshore

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

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 ***