



Confirmation of Product Type Approval

Company Name: SPECTEC SPA

Address: VIA PRIVATA OTO, NO. 57 LA SPEZIA 19136 Italy

Product: Fleet Management Software

Model(s): AMOS Business Suite Version 9.x - 10.x

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	21-2097278-PDA-DUP	16-APR-2021	15-APR-2026
Manufacturing Assessment (MA)	24-6624892	26-SEP-2024	25-SEP-2029
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Planned Maintenance System for Machinery (PMS) for application in marine and offshore machinery plants and Software system for ISM Code.

Description

Planned maintenance software for all Marine and Offshore Machinery, Equipment compartments, Units and Plants.

Software product intended to support implementation of the IMO International Safety Management (ISM) Code as per Resolution A. 714(18) as amended by Resolution MSC. 104(73) and by Resolution MSC. 195(80).

Software module to be utilized in association with Preventative Maintenance/ Condition Monitoring manuals onboard classed vessels enrolled in the ABS PM/ RCM Programs.

Ratings

Suite Version 9.x - 10.x

Service Restrictions

1) Unit Certification is not required.

2) If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

3) This assessment concerns only the functionality and does not certify that the software is free from anomalies.

4) The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.

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 Marine Vessel Rule. 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 Marine Vessel Rule.

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.

5. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawing No. 10.00_Final Acceptance Test_Details

Drawing No. 10.00_Final Acceptance Test_Summary

Drawing No. A-10.0.00-000-Project Order

Drawing No. A-10.0.00-001-Project Definition

Drawing No. A-10.0.10-001-Project Plan.PRP.Rev19_B

Drawing No. A-9.3.00-000 - Project Order

Drawing No. A-9.3.00-001 - Project Definiton.PRD

Drawing No. A-9.3.00-300-Test Plan

Drawing No. A-9.3.00.28.300 - Final Acceptance test

Drawing No. ABS-10.0.17 Test-Result Specification Result of test

Drawing No. BZ - Bugzilla Procedure

Drawing No. OPS-2000-001 AMOS Software Document Coding and Naming Style Procedure

Drawing No. OPS-2001-001 AMOS Software Configuration Management Procedure

Drawing No. OPS-2002-001 AMOS TST - Software Verification Procedure

Drawing No. OPS-2003-004 AMOS Software Version Procedure

Drawing No. RT - Procedure - Product Defect Process

Drawing No. SPECTEC Research and Development Department

Drawing No. Test Plan ABS-10.0.00-300.TSTP

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 15/Apr/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

2021 Rules for Conditions of Classification 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-9-3/9

2021 Rules for Conditions of Classification - Offshore Units and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3

2021 Rules for Survey After Construction 7-A-14

2018 Guidance Notes on Reliability-Centered Maintenance

International Standards

IACS UR Z20 [Planned Maintenance Scheme (PMS) for Machinery]: Rev.2 May 2019

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in black ink, appearing to read "James J. Wilk".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 12-Sep-2025 4:38

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and

quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.