



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. M-PMS-8663

This Certificate consists of 2 pages

This is to certify that the
Planned Maintenance System for Machinery
with type designation(s)
mespas 5.x

Manufactured by
MESPAS AG
ZÜRICH, Switzerland

is found to comply with
DET NORSKE VERITAS' RULES FOR CLASSIFICATION AND MOBILE OFFSHORE
UNITS CERTIFICATION NOTE NO. 2.9 - TYPE APPROVAL PROGRAMME NO 10-
706.70-1 CERTIFICATION NOTE NO. 1.2 - TYPE APPROVAL, DECEMBER 1996

Application
The Planned Maintenance System is approved for use onboard DNV classed vessels with
the Survey Arrangement based on Planned Maintenance System (Machinery PMS)

Place and date
Høvik, 2006-03-07
for DET NORSKE VERITAS AS

This Certificate is valid until
2010-06-30

Kim Rolfsen
Head of Section

Local Office
DNV Oslo

Eivind Flagstad
Surveyor

**Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.**

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

System description

This system is a WINDOWS based tool for systematic planning of maintenance and as documentation of maintenance carried out.

Application/Limitation

The system shall at least cover all Class related machinery items and E0/ECO items. In order to obtain the Survey Arrangement, Machinery PMS for a specific vessel, an Implementation Survey is required to be carried out onboard by the Society.

Type Approval documentation

- User guide
- Complete software package
- Documentation supporting document requirements and system requirements from Type Approval programme

Tests carried out

A System Evaluation is carried out to verify that all the requirements are included in the system.

Identification of system

The identification is stated in the Title Bar.

Certificate retention evaluation

Before the expiry date, an evaluation of new requirements and changes to the system shall be carried out according to the requirements in Certification Note 2.9 for renewal of the certificate.

During the validity of this Type Approval Certificate, all relevant changes and launching of new versions to be reported and approved by DNV.

END OF CERTIFICATE