



# DET NORSKE VERITAS

## CONFIRMATION OF ACCEPTANCE

DNV confirms that, AVECS ISM IT-based systems, version 6.0 may be used by shipping companies for establishing management systems or elements of a management system to meet the requirements of the ISM Code and the ISPS Code - and for the implementation and operation of the system.

The acceptance has been based on verification of fulfillment of the following requirements;

1. The system has to be protected from unauthorized changes of programs and data so that changes only may be introduced by authorized personnel.
2. The system is to be arranged with logging of general database changes performed by the user, so that evidence of the changes is provided to the auditor.
3. Authorization function is to be arranged to ensure that only personnel authorized to sign records can do it. The system is to ensure that this requirement is met when safety records are sent by E-mail between different locations e.g. the ship and offices ashore.
4. The systematic development and release of new versions, as provided by AVECS to the users, including related documentation of the changes, are to be adequate to ensure software integrity during all phases of the software life cycle.

### Verification of compliance with the ISM and ISPS Code

DNV audits for the issue and retaining the validity of the certificates for a particular Company or ship will be based on evaluation of the particular SMS / SSP as presented at the audit. The evaluation will include evidence of Company's compliance with the above requirements, and adequate procedures providing for the following:

1. Generation of tested back up, in the context that it has been tested that the system, all records generated by it, may be reloaded, following hardware breakdowns or software errors.
2. Redundancy in case of sudden loss of power, either as procedures for ensuring updated working copies of relevant documentation, or by providing power backup or similar.
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3. Definition of status of paper printouts from the system - if nothing is stated to this end, they will be considered to be for information only.

Compliance with the above requirements shall be explicitly documented in the SMS to facilitate the auditor's verification that they have been complied with. Parallel paperbased documentation will not be required in such cases, unless required by the standards.

### **International acceptance of IT based SMS under ISM and SSP under ISPS**

There are no internationally agreed standards or regulations applicable to the use of IT based systems.

Further, the ISM / ISPS authorization of DNV from Flag State Administrations does not include directions or limitations for the use of IT based systems

Rotterdam: 2005-01-12

Signature: .....

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