

Guidance to SIRE 2.0 Key Points

Ref: 033

4.1.1 ECDIS set up and operation (Observed in Trial Inspection) / TMSA 5.1.2

4.1.1. Were the Master and navigation officers familiar with the company procedures for the set up and operation of the ECDIS units fitted to the vessel and were records available to demonstrate that the ECDIS had been operated in accordance with company procedures at all stages of a voyage?

Short Question Text

ECDIS set up and operation

Vessel Types

Oil, Chemical, LPG, LNG

ROVIQ Sequence

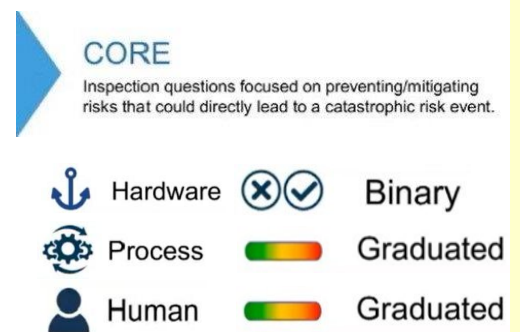
Bridge

Publications

IMO: ISM Code

ICS: Bridge Procedures Guide – Fifth Edition

OCIMF: Recommendations on Usage of ECDIS and Preventing Incidents. First Edition.



Objective

To ensure that ECDIS units fitted to the vessel were used to effectively navigate the vessel.

Please refer “Recommendations on Usage of ECDIS and Preventing Incidents” for more information. This can be downloaded from here,
[Recommendations on Usage of ECDIS and Preventing Incidents \(ocimf.org\)](https://www.ocimf.org/Recommendations-on-Usage-of-ECDIS-and-Preventing-Incidents)



Following Positive Observation was issued in trial inspection.

Human

Exceeded normal expectation. Both Captain and 2nd Officer demonstrated knowledge towards ecdis navigation above normal expectations (equinor).

Exceeded normal expectation. OOW found confident with responsibility. Verification of company Ecdis process seen to be understood (Shell).

Potential Grounds for a Negative Observation

- There were no company procedures for operating and managing the ECDIS fitted.
- The company procedures did not provide clear guidance regarding:
 - Display management
 - Alarms & warnings.
 - Safety contours and depths.
 - Safety frame or safety cone.
 - Route checking.
- The accompanying navigation officer was unfamiliar with the company ECDIS management and operation procedures.
- The accompanying navigation officer was unfamiliar with the operation of the ECDIS units fitted to the vessel
- An ECDIS unit was defective in any respect. (Where the vessel carried an additional ECDIS in excess of the ECDIS carriage requirements then record as a comment providing an entry had been made in the defect reporting system. Indicate the number of ECDIS required to be carried and the total fitted onboard.)
- The second ECDIS, where required to be fitted, was not set up as a backup unit.
- There was evidence that ECDIS settings had been incorrectly entered at any stage of a voyage.
- There was no indication in the passage plan regarding required changes to ECDIS settings.

Process

Human

Hardware

Process