

Guidance to SIRE 2.0 Key Points



Ref: 036

4.2.4 Electronic chart management (Observed in Trial Inspection) / TMSA 5.1.2

4.2.4. Were the Master and navigation officers familiar with the company electronic chart management procedures and were onboard ENC and RNCs managed, corrected and used appropriately?

Short Question Text

Electronic chart management.

Vessel Types

Oil, Chemical, LPG, LNG

ROVIQ Sequence

Bridge

Publications

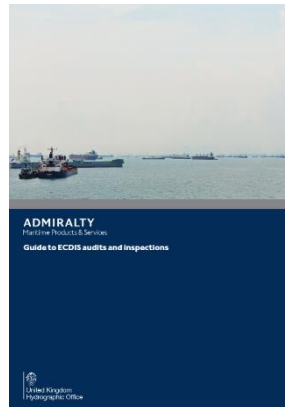
ICS: Bridge Procedures Guide – Fifth Edition

IMO SOLAS

IHO: Information on IHO Standards related to ENC and ECDIS (Ver 2.1 Feb 2020)

UKHO: Guide to ECDIS audits and inspections

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



ROTATIONAL

Inspection questions focused on preventing/mitigating risks that could indirectly lead to a catastrophic risk event or directly lead to a lower risk event.

	Hardware		Binary
	Process		Graduated
	Human		Graduated

Objective

To ensure that only fully corrected official electronic charts are used for navigation where ECDIS is required to be carried



Following Positive Observation was issued in trial inspection.
Exceeded normal expectation. Well documented (equinor).

Human



Depth contour shading: two-shade versus four-shade

Potential Grounds for a Negative Observation

- There were no company procedures for managing ENC and RNCs
- The declaration relating to the primary means of navigation was incorrect
- The accompanying navigation officer was unfamiliar with the electronic chart management and correction procedures.
- The accompanying navigation officer was unfamiliar with the process for applying T&P notices to ENC and RNCs.
- There was no onboard management system to track the permits held by the vessel for ENC and RNCs.
- Individual ENC or RNC permits had expired prior to or during the predicted phase of a voyage.
- The vessel had completed a voyage with missing ENC or RNC coverage.
- The vessel had not updated the ENC and RNCs to the latest available notice to mariners (subject to a reasonable allowance for vessel activities and workload).
- A vessel had completed a part of a voyage with RNCs when ENC were available for the area in question.
- The vessels had operated in RCDS mode without availability of an appropriate folio of up to date paper charts.
- There was no onboard management system to track Notices to Mariners corrections applied to ENC and RNCs.

Process

Human

Process

Hardware

Process