

Isle of Man Ship Registry Manx Shipping Notice



Electronic Chart Display and Information System (ECDIS)

Ref. MSN 026
Issued: 1 Aug 2018

1. Introduction

This MSN has been issued to clarify the requirements for ECDIS on Isle of Man registered ships.

2. ECDIS carriage requirement

SOLAS Chapter V Regulation 19.2.10 makes the carriage of ECDIS mandatory, on a 'roll out basis', the schedule for which is included in the Appendix to this MSN. Once the date has passed for the mandatory carriage of ECDIS for a relevant ship type, each ship of that type must be fitted with an approved ECDIS system.

The following options satisfy the nautical chart carriage requirements:

- 1 x ECDIS unit with 1 x paper chart folio; or
- 2 x ECDIS units which must both work independently. The second ECDIS unit must be connected to an independent power supply and a separate GPS position input.

All ECDIS units (hardware) must meet the following performance standards:

- a. if installed on or after 1 January 1996 but before 1 January 2009 - must conform to performance standards not inferior to those specified in the Annex to Resolution A.817(19), as amended by resolutions MSC.64(67) and MSC.86(70); or
- b. if installed on or after 1 January 2009 - must conform to performance standards not inferior to those specified in the Annex to Resolution MSC.232(82).

Once fitted, ECDIS must be listed under the details of Navigational Systems and Equipment on either:

- a. the Record of Equipment for Cargo Ship Safety (Form E); or
- b. the Record of Equipment for Passenger Ship Safety (Form P); or
- c. the Record of Equipment for High Speed Craft Safety Certificate.

For further information on recording nautical charts and ECDIS on the certificates listed above, reference can be made to the unified interpretation stated in MSC.1/Circ.1496.

3. Safe navigation and voyage planning

The ship's operator and master are responsible for determining the form of charts to be used on board, this may be either paper charts or ECDIS. Regardless of the form of charts in use, all charts shall be kept up to date for the intended voyage.



4. Operating in areas where Electronic Navigational Charts are not available

In areas where Electronic Navigational Charts (ENCs) are not available, Raster Navigational Charts (RNCs) or paper nautical charts shall be provided. If RNCs are used they must be backed up with a reduced paper chart folio sufficient for safe navigation.

In areas where ENCs or RNCs are not available, a full folio of paper charts must be carried.

5. ECDIS training requirements

ECDIS training is required for all officers in charge of a navigational watch working on ships fitted with ECDIS*.

The ECDIS training requirements are as follows:

a. Generic ECDIS training

The STCW Manila Amendments require that all officers in charge of a navigational watch complete ECDIS training as stated in Table A-II/1 of the STCW Code. In cases where this training has not been completed, a limitation will be placed on the officer's certificate of competency and endorsements. Where such a limitation is not specified, the officer's certificate and endorsements are evidence that the officer has successfully completed the required approved training and that the standard of competence has been achieved.

b. ECDIS familiarisation training

There is not a requirement for the approved training on ECDIS equipment to be type-specific, however officers in charge of a navigational watch must be familiarised with the ECDIS equipment installed on board.

STCW.7/Circ.18 requires the familiarisation training to be carried out in accordance with section 6.3 and 6.5 of the ISM Code. It is the responsibility of the ISM Company (Document of Compliance holder), to ensure this training is completed, and also to state how the training is delivered in the ships Safety Management System.

During flag and port State inspections the inspector may require the ship's deck officers to demonstrate the operation of the ECDIS equipment installed on board.

6. ECDIS updates

ECDIS shall be updated to the latest version of the IHO Standards regardless of the ship's age and date of ECDIS installation. An up-to-date list of all the relevant IHO standards relating to ECDIS equipment can be accessed from the IHO website (www.iho.int)

*STCW.7/Circ.24/Rev.1 contains further information on the training requirements for ECDIS.



Reference Material

Documents referred to in this MSN:

- MSC.1/Circ.1496 Unified Interpretation on the appendix to the SOLAS Convention regarding the records of equipment concerning nautical charts and ECDIS;
- STCW.7/Circ.18 ECDIS training;
- STCW.7/Circ.24/Rev.1 Guidance for Parties, Administrations, port State control authorities, recognized organizations and other relevant parties on the requirements of the STCW Convention 1978, as amended;
- Resolution MSC.64(67) Adoption of new and amended performance standards;
- Resolution A.817(19) Performance standards for ECDIS; and
- Resolution MSC.86(70) Adoption of new and amended performance standards for navigational equipment.

Most Regulations and notices are available on the Isle of Man Government website: www.iomshipregistry.com or by contacting marine.survey@gov.im

Please note - The Isle of Man Ship Registry cannot give legal advice. Where this document provides guidance on the law it should not be regarded as definitive. The way the law applies to any particular case can vary according to circumstances - for example, from vessel to vessel. You should consider seeking independent legal advice if you are unsure of your own legal position.



APPENDIX

All ships engaged on international voyages shall be fitted with ECDIS as stated below:

Ship type	Size	New ships	Existing ships
Passenger ships	≥500gt	Required to have ECDIS fitted	Required to have ECDIS fitted
Tankers	≥3000gt	Required to have ECDIS fitted	Required to have ECDIS fitted
Cargo ships, other than tankers	≥3000 < 10 000gt	Constructed on or after 1 July 2014	N/A
	≥10 000gt < 20 000gt	Required to have ECDIS fitted	Constructed before 1 July 2013: not later than the first survey* on or after 01 July 2018
	≥20 000gt <50 000gt	Required to have ECDIS fitted	Constructed before 1 July 2013: not later than the first survey* on or after 01 July 2017
	≥50 000gt	Required to have ECDIS fitted	Constructed before 1 July 2013, not later than the first survey* on or after 1 July 2016
High-Speed Craft	≥500gt	Required to have ECDIS fitted	Required to have ECDIS fitted

*Refer to MSC.1/Circ.1290 on the Unified interpretation of the term "first survey" referred to in SOLAS regulations.

