



TECHNICAL CIRCULAR No. 819 of 7th March 2024

To	All Surveyors/Auditors. All flags
Title	ECDIS Performance Standards
Reference	SOLAS Chapter V

ECDIS Performance Standards

Electronic chart display and information systems (ECDIS) contribute to safe navigation by providing simple and reliable updated navigational data.

Revisions to the ECDIS performance standards given in resolution MSC.232(82) were adopted, introducing updates to acknowledge new technologies and standards used by electronic navigational data services (ENDS). The resolution outlines the criteria and procedures for approving shipborne radio equipment and establishes performance standards for the equipment to ensure reliable communication for the safety of the ship and crew.

The revisions also incorporate updated references to the latest standards of the International Hydrographic Organization (IHO) for electronic navigation data.

Effective Date: 1 January 2029

Regarding the application of these revised ECDIS performance standards for equipment installed on or after:

1 January 2029 must conform to these revised performance standards.

1 January 2026 but before 1 January 2029 must conform to either these revised performance standards or the standards given in Resolution MSC.232(82)

1 January 2009 but before 1 January 2026 must conform to the performance standards given in Resolution MSC 232(82)

1 January 1996 but before 1 January 2009 must conform to the performance standards given in Resolution A.817(19), as amended by Resolutions MSC.64(67) and MSC.86(70)

Revisions were made to the IMO circular "ECDIS – Guidance for Good Practice" to further support the importance of up-to-date ECDIS information for safe navigation.



In these revisions, a new section specifically addressing onboard ECDIS updates has been added with guidance about the revision or re-issuance of Type Approval certificates following an onboard ECDIS update.

This guidance applies to cases where updates are initiated by the manufacturer to improve functions and cases where updates are required to maintain compatibility with the latest standards of the IHO.

Appendix 4 provides examples of onboard ECDIS updates and describes the documentation that should be provided to decide if recertification is necessary.

Effective Date: 28 November 2022

REFERENCES:

- Chapter V/Regulations 19 and 27

Source: MSC.530(106); Source: MSC.1 Circular 1503/Revision 2

ATTACHMENTS: No

Kindest Regards,
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