



Office of  
Deputy Commissioner  
of Maritime Affairs

# THE REPUBLIC OF LIBERIA

## LIBERIA MARITIME AUTHORITY

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**19 December 2025**

**Marine Advisory: 43/2025**

**Subject: ECDIS – S-100 Compliance – SOLAS Chapter V – Navigation**

- Reference:**
- (a) **SOLAS Regulation V/19 on Carriage requirements for shipborne navigational systems and equipment**
  - (b) **[Resolution MSC.530\(106\)](#) and [Resolution MSC.530\(106\)/Rev.1](#) on Performance Standards for Electronic Chart Display and Information Systems (ECDIS)**
  - (c) **Liberian Marine Notice [NAV-001](#) on Safety of Navigation - Nautical Charts, Publications and Notices to Mariners**

**To: Shipowners/Operators/Masters:**

### **Purpose**

The purpose of this Marine Advisory is to inform shipowners, operators and Masters of the implementation timeline for the S-100 ECDIS standard, the current status of related international standards development, and the present availability of type-approved equipment.

### **Background**

At its 106th session, held in November 2022, the Maritime Safety Committee (MSC) of the International Maritime Organization (IMO) adopted [resolution MSC.530\(106\)](#) on Performance Standards for Electronic Chart Display and Information Systems (ECDIS), which was subsequently revised by [resolution MSC.530\(106\)/Rev.1](#) to incorporate route exchange functionality.

[Resolution MSC.530\(106\)](#), as revised, establishes the following implementation timeline for S-100 ECDIS:

- (a) if installed on or after 1 January 2029, conforms to performance standards not inferior to those specified in the annex to the present resolution;
- (b) if installed on or after 1 January 2026 but before 1 January 2029, conforms either to performance standards not inferior to those specified in the annex to the present resolution or to performance standards not inferior to those specified in the annex to [resolution MSC.232\(82\)](#);

The Administration notes that, as of the date of issuance of this Marine Advisory, the International Electrotechnical Commission (IEC) is still developing the relevant test standards, including revisions to IEC 61174, which are necessary to support formal type approval of S-100 ECDIS equipment. Consequently, no ECDIS equipment that is fully compliant with the S-100 performance standards and supported by

finalized IEC test standards has yet been formally type approved by Administrations or their recognized organizations

### **S-100 Compliance – Recommendation**

The Administration is aware that certain equipment currently available on the market is being described as “S-100 compatible”, “S-100 ready” or “S-100 ECDIS”. Such descriptions do not, in themselves, constitute confirmation of compliance with the performance standards set out in [resolution MSC.530\(106\)](#), as revised, nor do they indicate that the equipment has been type approved in accordance with applicable international requirements.

In this context, and notwithstanding the implementation timeline established by [resolution MSC.530\(106\)](#), as revised, the Administration does not recommend the installation of ECDIS equipment marketed as S-100 compliant or compatible until the relevant IEC test standards have been finalized and the associated type-approval process has been completed.

Questions regarding this guidance should be referred to [RegsandStandards@liscr.com](mailto:RegsandStandards@liscr.com) and, [satelliteservices@liscr.com](mailto:satelliteservices@liscr.com) or telephone +1-703-790-3434.

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