



ECS1000

Commercial Electronic Charting Solution



- IEC60945 Approved electronic charting system (ECS) for workboats, fishing vessels, tugs and other ECS mandated commercial vessels
- 18.5" HD high bright touch display
- Powerful navigation functions
- S63 Approved charts with daily updates*
- Optional Class A AIS/GPS option with IMO approval
- Simple installation and compliance
- Optional radar, 2nd displays with multi purpose charts, internet connectivity, VDR and sounder

* Requires internet connectivity for chart updates



Dear Captain

In 2019 NOAA announced the decision to discontinue production of paper maritime charts and in 2024 they released VR3 of their online chart printing tool. However, printing large format local charts on a regular basis as required and mandated for safe passage is impractical for most users.

In August 2025, the Coast Guard issued NVIC 01-16 Change 3, which outlines regulations for carriage of an electronic charting system (ECS). Impacted vessels include non-SOLAS US Vessels such as towing vessels (Sub-chapter M), small passenger vessels (Sub-chapter T/K), workboats, municipal boats and commercial fishing vessels including 6-pack charter boats (UPVs).

If you operate a commercial vessel in US waters that falls under the navigation safety rules in 33 CFR Part 164 (e.g., self-propelled vessels < 1600 GT, many towing vessels and vessels in VTS areas) you must carry approved charts/publications or use the accepted electronic equivalents on compliant ECS hardware/software. Failure to comply can lead to deficiencies and civil penalties under USCG regulations.

Clearly printing large format charts on a daily or weekly basis is impractical so the best solution is an approved ECS system which can automatically provide chart updates and meet the specifications for an approved ECS navigation device. It's powerful navigation functionality is also hugely beneficial

Some vessels may also require an approved positioning system (EPFD electronic position fixing device) and for this we recommend our CLA 2000 AIS transponder which acts not only as a full function Class A AIS transponder but also as a GPS/EPFD feed to the ECS system

Welcome to Digital DeepSea ECS1000 systems