

AVCS

ADMIRALTY
Vector Chart Service



UK Hydrographic
Office



The world's leading ENC service, helping bridge officers to navigate safely and efficiently

Offering:

- Global ENC coverage with more major routes and ports than any other competing service
- Carriage-compliant ENCs with certification to aid Port State compliance
- Operates on all ECDIS makes
- Unique ADMIRALTY Information Overlay (AIO) for additional passage planning information
- Weekly updates and data available continually
- Online version now available for shore-based activities



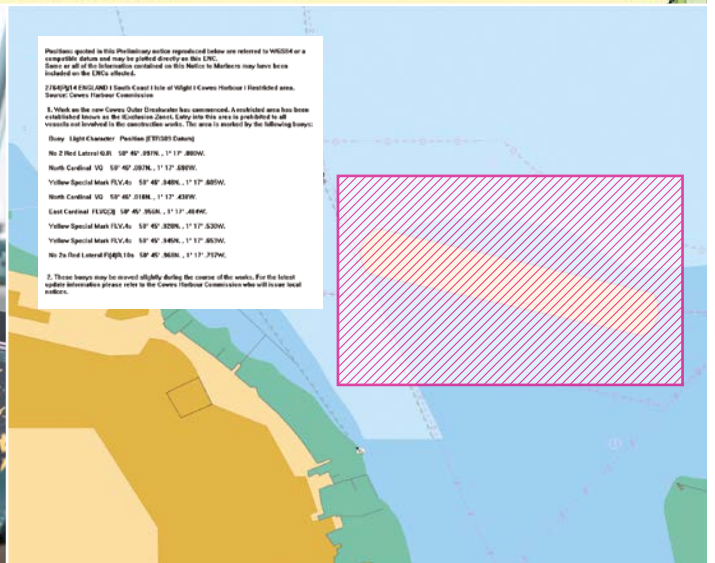
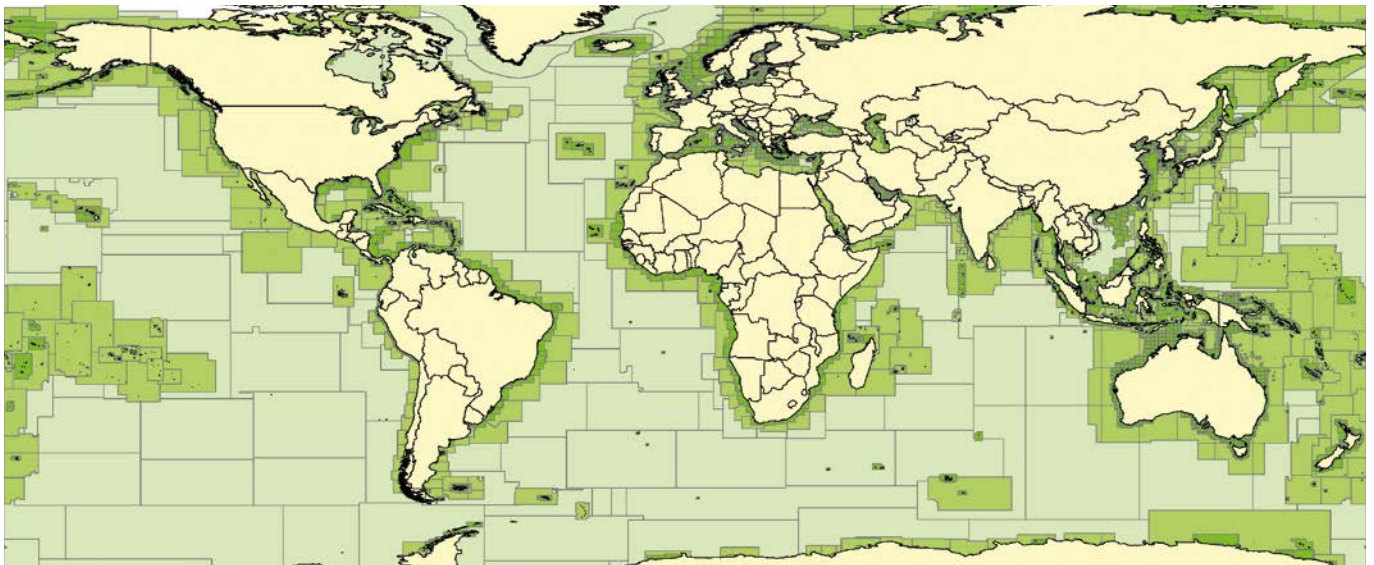
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The ADMIRALTY Vector Chart Service (AVCS) is the most comprehensive, digital maritime chart service available; with around 20,000 Electronic Navigational Charts (ENCs) from hydrographic offices around the world, packaged and quality assured by the UKHO into a single value-added service.



Complete AVCS coverage



Compatible with all makes of ECDIS
AVCS is delivered in industry standard S-63 / S57 formats, guaranteeing compatibility with all type-approved ECDIS – even in a mixed fleet.



AIO for greater situational awareness
A real example of where the unique AIO is overlaid on top of an ENC, showing extra information for use in passage planning.

Why AVCS

AVCS helps your bridge officers to navigate safely and efficiently, and helps to keep your ships compliant with Flag and Port State Authorities.

Capitalising on the UKHO's expertise, AVCS also incorporates the unique AIO, helping to simplify passage planning.

More routes, more ports

AVCS provides the widest carriage-compliant coverage, allowing ships to navigate on ECDIS for the entirety of most major routes on a single chart service. AVCS also includes over 4,000 of the biggest and busiest ports, terminals and fields worldwide, of which we offer unique coverage for over 100.

Carriage-compliant ENC's

All ships using AVCS on board receive a UKHO certificate. This certificate confirms that all ENC's in AVCS satisfy the chart carriage requirements of SOLAS Chapter V, and can be used for local inspection.

AVCS meets the latest mandated data protection standards, S-63 Edition 1.2 from the International Hydrographic Organization (IHO). This helps to reduce the risk of both data piracy and the distribution of dangerous ENC's that do not comply with IHO standards.

Ongoing safety and compliance

All AVCS customers receive weekly ENC updates electronically, with data available on a continual basis. Installing the latest updates on a regular basis supports safe navigation and compliance with Flag and Port State requirements.

Optimised chart holdings

ENC's can be bought on an individual chart-by-chart basis for precise coverage and voyage flexibility. Simply buy the licences to unlock the charts needed for a voyage – when and for as long as they are needed. Most ENC-issuing countries allow durations of 3, 6, 9, or 12 months.

Pay As You Sail (PAYS) licences are available, which provides low cost access to ENC's for planning purposes at any time, then automatic 3 month purchase when the vessel sails across them.

ADMIRALTY Information Overlay (AIO), unique extra navigational data

AIO aids navigators at the crucial passage planning stage. It contains ADMIRALTY Temporary and Preliminary Notices to Mariners (T&P NMs) where the information has not been coded into the ENC's by the producer. AIO also includes ENC Preliminary Notices to Mariners (EP NMs), which highlight navigationally significant differences between ENC's and ADMIRALTY paper charts.

AIO can be displayed as a single layer on top of ENC's on the majority of ECDIS currently being sold, and also on back-of-bridge software.

All AVCS customers receive the unique AIO at no extra cost.



We had actually been using electronic charts for about 15 years... When the company heard about the ADMIRALTY Vector Chart Service we were interested, because it is an all-in-one system, which has obvious benefits.

Captain Pekka Hynönen
Master of the M/V Neste, Neste Oil



The Information Overlay is making passage planning and the task of keeping track of the latest ENC updates much easier, and it will also make it easier for our crews to demonstrate compliance during PSC inspections. Overall, it has proved to be another important element in our efforts to continually improve the safety and efficiency of navigation.

Soren Andersen
Marine Superintendent, SQE at Nordic Tankers Marine A/S



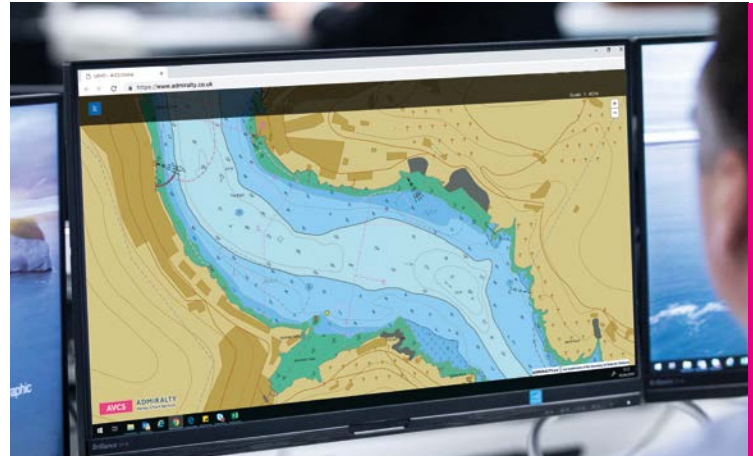
Everyone in the company has been very positive about ECDIS and the benefits it brings us. We know we are safer now than we have ever been and our navigation procedures and our use of AVCS has a lot to do with that.

Captain Pär Brandholm
Laurin Maritime

AVCS Online

A shore-based version of the world's leading maritime chart service that is used on-board most ships trading internationally.

- Supports shore-based maritime decision-making including vessel tracking, planning and responses to accidents and emergencies
- Provides access to images from over 18,000 ENC's, available at all scales
- Displays similar chart functionality settings as on an ECDIS, including layer control settings and pick reports
- Uses internationally recognised Open Geospatial Consortium (OGC) standards and internet-accessible Web Map Service (WMS) protocols




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About us

The UK Hydrographic Office is a global centre for hydrographic understanding, delivering data and expertise to support safe, secure and thriving oceans.

Trusted by customers and partners worldwide

We deliver quality innovative maritime navigation solutions through our ADMIRALTY products and services, which are relied upon by over 90% of large ships trading internationally to support safety, efficiency and compliance.

For more information, contact our global network of ADMIRALTY Distributors. Alternatively, contact our customer service team.