

## Manage your charts simple and safe

**In the transfer from paper to digital navigation the use of officially approved ENC's is the standard. Finding the right balance between the digital chart management tools, ECDIS hardware, training and the right communication systems will prove to be the biggest challenge for many shipping companies in the coming years.**

As an international digital chart agent for PRIMAR and ADMIRALTY we are in a unique position to assist shipping companies in the transfer from paper to electronic products and services. As a Value Added Reseller we have been able to develop our own unique platforms to manage the licensing and updating of your digital chart folios. We recognize that the integration of ECDIS is a challenging subject for many and that the human element is key! Our aim is to offer the mariner easy to use solutions, really making life on the bridge as easy and safe as possible.

### **ENC management systems**

To keep the use of official ENC's economical, mariners need to conduct active ENC license management per voyage. This is not an admirable task as mariners need to cross check in access of 14.000 ENC references vs 3.500 paper charts in the past! Conceptually we offer two solutions to the management of official ENC's.

### **Chartplanner – ENC-Online service (prepaid)**

Datema first introduced the ENC-Online service. Our free digital chart catalogue Chartplanner is the core of this service and can be downloaded from our website. This multivendor digital chart catalogue allows the mariner to conduct active license management for ADMIRALTY AVCS, PRIMAR ENC's, ADMIRALTY ARCS, ADP and eNP, and soon to be IMO Bookshelf. It is the most intuitive digital chart catalogue in the market today with 24/7 automatic and immediate world wide access. What really sets Chartplanner apart from other digital chart management systems in the market is that our back office activities are fully integrated via a B2B link to PRIMAR, and the ADMIRALTY. This allows for a fully automatic planning and ordering process. The result; Chartplanner allows you to access permits and updates all at the click of a button.

Supported by a highly qualified 24/7 customer support staff we aim for the highest possible standards of safe and efficient digital navigation.

### **ENCTrack (Pay-As-You-Sail)**

Datema set the new standard in digital marine navigation by introducing the revolutionary ENCTrack PAYS service. Through the ENCTrack service the vessel will have the possibility to pre-install and use all available scale charts directly into the ECDIS when subscribing to the service, allowing you complete flexibility in voyage planning. You never have to think about license management again. The system is safe, very user friendly and efficient. ENCTrack will track your vessel in real time, immediately registering which ENC's are being used and when, and charge you only for those ENC's that are actually used. The ultimate pay-as-you-sail solution!

# Your pilot in nautical safety

## ENC Updating

1. As a standard service we supply a customized update DVD/CD to ship owners weekly. The update DVD/CD contains the cumulative updates, the most recent Chartplanner software and a customized Permit file (a full contingency file for ENCTrack vessels).
2. Digital ENC updates are immediately available though email via the Chartplanner platform. We advise mariners to use this digital updating procedure for voyage specific safety critical updates only. We can set a maximum update size per vessel. Larger updates will be made available as a web-link for downloading.
3. For vessels with V-SAT we have a service called ENC4SAT. This is software - developed by Datema - is supplied on a USB stick that (once inserted in the PC) checks with our server and automatically downloads the ENC updates allowing you to keep your ENC licenses updated without the need to physically receive weekly updating media.

## ENC Suppliers

### PRIMAR

The PRIMAR RENC provides a consistent and reliable electronic navigational chart (ENC). ENCs are produced by or on the authority of a government-authorized hydrographic office (HO) or other relevant institution. ENCs are based on the relevant HO's source data or official charts, and are compiled, coded and regularly updated in accordance with international standards.

### AVCS

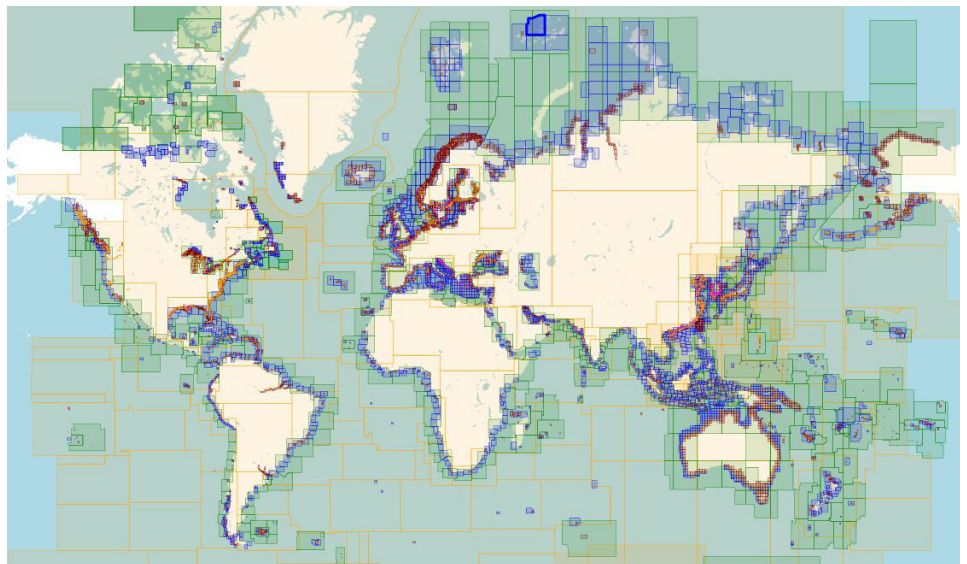
The ADMIRALTY Vector Chart Service (AVCS) is the most comprehensive, official, digital maritime chart service in the world; with over 14,000 Electronic Navigational Charts (ENCs) from hydrographic offices around the world, packaged and quality assured by the UKHO into a single value-added service.

## ADMIRALTY Information Overlay (AIO) unique extra navigational data

To help bridge crews identify areas of possible navigational uncertainty and risk at the crucial passage planning stage, all AVCS ENC customers receive the unique ADMIRALTY Information Overlay (AIO) at no extra cost. AIO combines all UKHO Temporary and Preliminary Notices to Mariners (T&P NMs) for all ADMIRALTY Standard Nautical Charts and ENC Preliminary Notices to Mariners (EP NMs) resulting from the UKHO's ENC verification process. AIO can be used on the majority of ECDIS currently being sold, please contact our digital team to check if your ECDIS is compatible. Easy to use AIO is displayed as a single layer on top of the ENC.

### Worldwide ENC Coverage

The comprehensive ENC databases of our suppliers are growing by the day.



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