



Admiralty e-Navigator

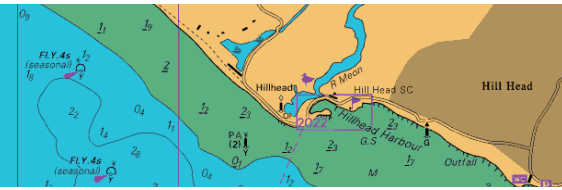
**e-NAVIGATOR**

**ADMIRALTY**



**NAUTISK FORLAG**  
NAUTICAL CHARTS AND PUBLICATIONS

# Admiralty e-Navigator Service



“e-Navigation is the harmonised collection, integration, exchange, presentation and analysis of maritime information onboard and ashore by electronic means to enhance berth to berth navigation and related services, for safety and security at sea and protection of the marine environment”

International Maritime Organisation



...because safety matters

# What is Admiralty e-Navigator?



## What is Admiralty e-Navigator?

Admiralty e-Navigator will set a new standard in safe navigation, planning and fleet management. It provides accurate berth to berth information through one single user friendly application and puts a world of navigational information at the fingertips of bridge teams and shore-based managers worldwide.

Up until now anyone using navigational products and services has had to work with a multitude of different information from different sources. Admiralty e-Navigator brings together Admiralty navigational intelligence in one place to make every stage of navigation and fleet management smarter, simpler and safer.

At the heart of Admiralty e-Navigator is a free Admiralty product catalogue, free advanced chart optimisation and selection, real time product ordering and delivery tools, a free electronic chart viewer and instant access to Admiralty digital product updates.

Admiralty e-Navigator is also a gateway to a growing number of existing and innovative new applications, datasets, products and services produced by both the UKHO and other maritime information suppliers.

Admiralty e-Navigator will cut the complexities of chart ordering, optimise sailing and port turnaround times and deliver real operational efficiencies.

Admiralty e-Navigator has been developed for both ashore and onboard use. The onboard e-Navigator Planning Station is a software application for use on PC at the back of bridge. The e-Navigator Fleet Manager version is a web application that can be accessed via your internet browser.

## The Future of Navigation

For more than 200 years, UKHO has been at the vanguard of navigational intelligence always providing the most accurate and trusted information via reliable and proven techniques and technologies.

Admiralty e-Navigator is the latest in a long line of innovative products and services from the UKHO and has already been proven to reduce operating costs and make digital navigation faster, simpler and more efficient.



# Using Admiralty e-Navigator Onboard



## Admiralty e-Navigator Planning Station

Seventy percent of good navigation is preparation. Admiralty e-Navigator will set a new standard for safe navigation and efficient passage planning across both paper and digital products. It will also reduce the workload onboard with electronic route planning and by providing immediate access to the latest navigational intelligence from Admiralty.

### Save time and money

Admiralty e-Navigator's product catalogue and chart selection and ordering tools enable you buy only the navigational information you need when you need it, only for as long as you need it.

Its simple product ordering facility will enable you to make sure you always have the right information at the right time, in the right place. It also helps to reduce the cost of navigation by helping to expertly select the most cost-efficient mix of charts needed to sail worldwide safely and compliantly.

### Faster access to the navigational information you need

Admiralty e-Navigator will provide immediate access to any Admiralty digital charts and publications any

time day or night where ever you are in the world from your preferred distributor – putting a world of maritime information at your fingertips. It also enables you to synchronise your product holdings with the latest Admiralty updates direct with UKHO servers in Taunton, UK.

### Efficient route planning

e-Navigator will reduce the workload on-board by enabling the vessel to plan routes electronically, in the most optimal way. It will calculate the charts needed for a voyage, check against current chart holdings and advise what additional charts and which corrections are needed for safe and compliant navigation. It can also be used to request additional charts and updates.

### Compliance made easy

e-Navigator also brings together the growing range of Admiralty and third party digital products and services you need for global safe navigation and voyage planning in one place to make them easier to view, use, organise, maintain and manage.

### Free of Charge from your Admiralty Distributor

Admiralty e-Navigator is available free of charge from Admiralty distributors.



# Using Admiralty e-Navigator Ashore



## Admiralty e-Navigator Fleet Manager

New regulations, environmental concerns, the demands for vessel security, as well as the constantly changing marine environment are all putting increasing pressure on marine superintendents and mariners.

### Smarter, simpler, more efficient navigation

Admiralty e-Navigator will make modern shore-based management easier by bringing together all the maritime information needed to manage the navigation requirements of your fleet in one place.

### More cost effective navigation

It will save time with simpler ordering of the navigational products needed to keep vessels compliant and reduce the cost of navigation. It will help you to select the most cost effective mix of electronic and paper charts each of your vessels needs to sail anywhere in the world safely and compliantly and enable you to only buy them when it needs them, for only as long as it needs them.

### Improve fleet management and emergency response

Admiralty e-Navigator will assist fleet management and emergency response by providing one single consistent view of the maritime environment across fleet managers, marine superintendents and bridge teams.

### Faster access to the maritime information you need

It will also give you instant access to any Admiralty digital products you need any time, day or night, putting a world of maritime information at your fingertips.

### Real time view of your vessels' Admiralty holdings

It will also enable you to improve standards and PSC inspections by giving you a real time, accurate view of the holdings and correction status of all Admiralty products on board for every ship you manage.



# Admiralty e-Navigator at a Glance



## Buy

Order Admiralty products easily and simply from your preferred Admiralty distributor and download permits for Admiralty digital charts and publications in real-time on-board or ashore any time, day or night.

- Full graphical and textual catalogue of all Admiralty charts and publications
- One stop shop for all the navigational data you need
- Identify the necessary Admiralty products (taking into consideration the charts and publications already held by the vessel) needed to plan and navigate the passage compliantly.
- Receive permits immediately on board

## Save

Select the right mix of digital or paper charts for each vessel and route for maximum efficiency and value for money.

- Optimise product selection to minimise navigation costs
- Efficiently order charts and publications or submit price enquiries

## Organise

Organise all Admiralty products and services in one place to make them easier to view, use, manage and seamlessly synchronise with the latest Admiralty updates

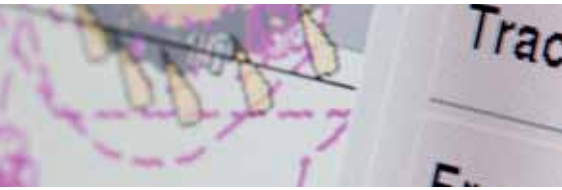
- Create and maintain a record of all Admiralty charts and publications onboard
- Track the status of your chart holdings
- Update AVCS, ARCS, ECDIS Service and Admiralty Digital Publications
- Chose to update based on routes or holdings to minimise download costs
- Automatic application of updates as soon as received to keep digital holdings fully up to date
- Monitor licence expiry dates to minimise chart costs

## Plan

Reduce workload by planning routes electronically, in the most optimal way.

- Lay off a route on the chart
- Automatically list the charts required and identify any gaps in holdings
- Identify corrections required for compliant passage
- Create, import, store and export routes to your ECDIS





## View

A new way of accessing and using maritime information needed to operate safely, compliantly and efficiently.

- Display advance notification of navigationally significant changes through Admiralty Information Overlay.
- View licensed ENC's, ARCS charts, Tidal Information from TotalTide
- View third party applications such as Maris Weather Manager, Lloyds Register Fairplay World Ports guide and DNV Navigator
- Update via ChartCo broadcast service as well as standard email and internet
- Use in conjunction with third party paper chart updating services to improve the management of paper chart corrections on board.

## Manage

Improve your fleet safety, management and emergency response with a single view of the maritime environment and wherever you might be in the world.

- Swiftly check the real-time status of the maritime information held on each vessel and across your entire fleet
- Get instant access any of the Admiralty digital charts and publications you need, any time, day or night

## How much does it cost to send the updates?

Highly compressed data files are used to update Admiralty e-Navigator to keep communication costs to a minimum. However, costs of updating Admiralty e-Navigator vary according to which updates you need and how urgently you want them.

Cost of downloading data in port will be negligible. Downloading the catalogue and working folio updates every week via satellite at sea will take under a minute at 9600 BAUD. For downloading all data updates (worldwide electronic chart and publication corrections and catalogue files) a broadband connection is recommended.



# Admiralty Applications available in Admiralty e-Navigator



## Admiralty Applications available in Admiralty e-Navigator

*Correct at December 2009. Please contact your Admiralty distributor for the latest list.*

Admiralty e-Navigator is also a gateway to a growing number of existing and innovative new applications, datasets, products and services from both the UKHO and other maritime information suppliers.

## Admiralty TotalTide

The world's most comprehensive tidal prediction program provides fast, accurate tidal height and tidal stream predictions. The software automates the prediction process, reduces the possibility of user error and provides an easy means of viewing both under-keel and safe overhead clearances. It contains tidal information for over 7,000 ports and more than 3,000 tidal stream stations worldwide. It is now accepted in place of the paper tide tables as carriage compliant by a large (and growing) number of flag states.

## Admiralty Passage Planning

Passage Planning is a new application only available through Admiralty e-Navigator. It works in conjunction with other e-Navigator functionality to generate a complete voyage plan including ship loading and trim details, squat calculation, port and pilot information. Admiralty Passage Planning will be available from mid 2010. Please ask your distributor for more information.

Update AVCS, ARCS, ECDIS Service and Admiralty Digital Publications.

## Admiralty e-Navigator and AVCS

Admiralty Vector Chart Service customers using e-Navigator also benefit from the ability to view the unique Admiralty Information Overlay.

The Admiralty Information Overlay is only available to AVCS customers and provides vital Temporary and Preliminary Notices to Mariners for all ENC's worldwide.



...because safety matters

# Third Party Applications available in Admiralty e-Navigator



## Third Party Applications available in Admiralty e-Navigator

Admiralty e-Navigator is also a gateway to a growing number of existing and innovative new applications, datasets, products and services from both the UKHO and other maritime information suppliers.

## Paper Chart Update Management Services

A range of paper chart update services are compatible with e-Navigator. These services assist with the safe and efficient updating of Admiralty paper chart and publications on board.

Service includes the provision of paper chart updates tailored to your folio or current area of operation and include tracings and blocks. Please contact your Admiralty Distributor for more information.

## Maris Weather Manager

Maris Weather Manager, a highly efficient weather service, has been optimised for use within e-Navigator. Maris Weather Manager includes:

### Five day forecast

- Request and review a five day forecast when planning a route.
- Overlay forecast data for the route on the vector chart background
- Animate the weather forecast and move the ship along the route at an estimated speed.
- Show the anticipated wind speed and direction plus sea height and swell that will affect the ship.
- See the difference in weather parameters the ship will encounter

### Passage Forecasts

- Twice daily forecasts sent automatically during passage
- Overlay forecasts on chart in ECDIS, ECS and e-Navigator display
- Download hurricane, cyclone and ice warnings



# Third Party Applications available in Admiralty e-Navigator



## Maris Port Manager

Maris Port Manager provides all the data a mariner might need when planning a voyage to a new port. Information about any port in the world can be called up from within Admiralty e-Navigator by clicking on a port icon in the chart interface. The data is provided by Lloyd's Register - Fairplay A comprehensive range of data is accessed through the programme including:

- VTS diagrams and calling point instructions
- Pilot information
- Anchorage locations
- Port approach maps
- Port navigation details
- Arrival and departure requirements
- Terminal details
- Stevedore working hours
- Port regulations
- List of chandlers and port agents
- List of other services



# Support



## Further Information

To discover how e-Navigator can revolutionise your Fleet operation, please contact your Admiralty Distributor or visit the UKHO website at [www.ukho.gov.uk](http://www.ukho.gov.uk)

Alternatively, contact the UKHO helpdesk:

Tel: +44 (0) 1823 723366

Fax: +44 (0) 1823 330 561

Email: [helpdesk@ukho.gov.uk](mailto:helpdesk@ukho.gov.uk)





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