



Admiralty Raster Chart Service

...because safety matters



ARCS

ADMIRALTY
Digital Services

Admiralty Raster Chart Service



Navigate with confidence

Produced by the United Kingdom Hydrographic Office (UKHO), ARCS is the world's leading electronic raster chart service. ARCS complements the British Admiralty (BA) paper chart series to provide official electronic navigation that greatly improves safety.

ARCS charts are exact digital copies of the world-leading BA paper charts. All ARCS charts have the same familiar appearance and use the same internationally recognised symbology as the Admiralty paper chart series. Their instantly recognizable image aids the transition to electronic navigation by minimising training requirements and enabling your crews to navigate with confidence.

Every ARCS chart is produced to the exceptional standards of quality and accuracy expected of an Admiralty Chart.



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Features and Benefits



Global Coverage

Over 3000 ARCS charts provide official, global coverage of the world's commercial shipping routes, with extensive coverage of main ports and harbours at a wide range of scales.

Maximum Flexibility

Every ARCS Customer is automatically provided with a complete set of Base CD's containing every chart in the service. Coverage is licensed on a chart by chart basis to give you maximum flexibility. You only access, and pay for, the charts you require. Instant access to additional charts can be quickly and easily obtained in emergency situations via phone, fax or e-mail.

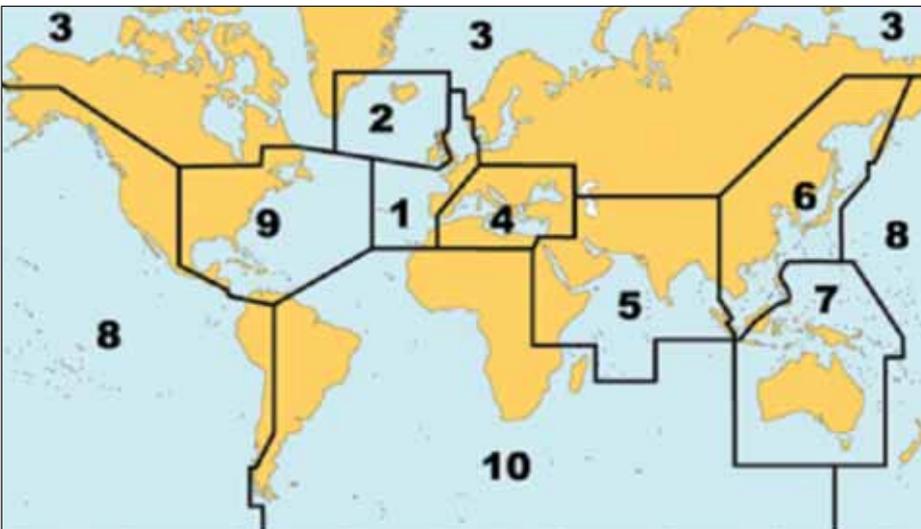
ARCS charts are also available in regional and world folios to give you greater coverage at substantial cost savings.

Latest Chart Updates Applied in Seconds

ARCS comes complete with a comprehensive weekly update service for the duration of your subscription. The ARCS Update disks are issued weekly to match the publication of the latest Notices to Mariners and are applied electronically to the charts to keep ARCS charts fully up to date for safety critical information without delay. Updates are cumulative, so you need only use the latest update disk and include all New Editions and Replacement Charts and both Temporary and Preliminary Notices. This easy to follow ARCS update procedure ensures your vessel's entire ARCS chart folio can be updated in just a few seconds.

ARCS also includes remote updating software free of charge. The software (Admiralty Updating Service or AUS) can be used to obtain immediate updates to your ARCS data either directly over the internet or by email anywhere in the world at anytime.

ARCS can also be updated via email and broadcast electronic courier update services.



ARCS is supplied on II CD-ROMS. Discs 1 - 10 indicate regional ARCS coverage. Disc II (not shown on the diagram) contains ocean charts (1:3,500,000 and smaller).





ARCS high quality digital image and full geographical referencing ensure superior chart display and maximum benefits in both real-time navigation and passage planning.

Safer Navigation

ARCS charts can be fully integrated with Global Positioning System (GPS). Vessel position, course and speed can be automatically plotted and updated as frequently as once a minute to give far greater positional accuracy than with traditional methods of navigation. User-defined overlays of danger areas, waypoints, notes, offset and check bearings can also be manually input and stored for all relevant charts.

ARCS real-time vessel positioning and overlay facilities provide considerable real-time navigational benefits and greatly reduce the risk of grounding.

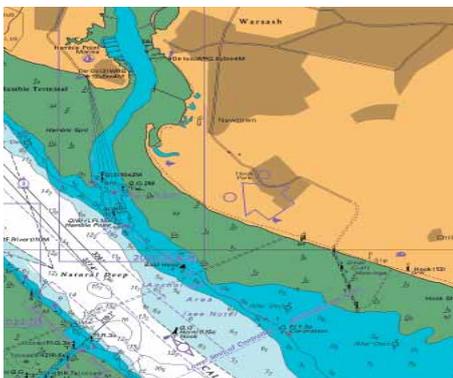
Improved Situational Awareness

Radar targets can be superimposed over ARCS charts to show actual distance and direction to other vessels and obstructions, providing an instant overview of your current situation.

When used in conjunction with radar to provide collision avoidance indicators and alarms, ARCS significantly improves safety of navigation, and is particularly important in busy or confined waters.

Time Saving

Routes can be quickly and efficiently planned in advance and stored for future, repeat use. Passage plans can be easily adjusted at any time. Bearing and Distance between waypoints are automatically calculated. Planned routes are automatically applied across all chart scales to substantially reduce time spent at the planning stage.





Traditional Techniques

ARCS also enables the use of traditional techniques such as dead reckoning (DR) to verify GPS signal or in the event of GPS unavailability.

"ARCS improves decision making when it comes to manoeuvring - particularly in confined waters with dense traffic."

Maersk Senior Master, Captain Henrik Solmer.

"P & O Nedlloyd has been using ARCS charts since their conception. The benefits in coastal navigation, port approaches and the subsequent improvements in safety have been tremendous."

P & O Nedlloyd Fleet Marine Manager, Steven Bligh.

Large Choice of Electronic Chart Systems

Designed exclusively for commercial shipping, ARCS charts are fully compatible with a wide choice of Electronic Chart Systems (ECS) and Electronic Chart Display & Information Systems (ECDIS).

This flexibility allows you to choose the system that meets your requirements and your budget. Please refer to the UKHO website - www.ukho.gov.uk for a complete listing.



Using ARCS



To use ARCS charts you will need the following:

- A Chart Display System (ECS, ECDIS or IBS), or
- PC computer hardware and Navigational software (supplied by one of many ARCS compatible software manufacturers).

Free of Charge Trial

To find out if you qualify for a free of charge three month trial, please contact your Admiralty Retail Distributor or visit; www.ukho.gov.uk

Further Information

Further information including prices, coverage, contact details and compatible software manufacturers is available from an extensive world wide network of Admiralty Distributors.

For additional information please contact the UKHO Help Desk on:

Telephone: +44 (0) 1823 723366

Fax: +44 (0) 1823 330561

E-Mail: helpdesk@ukho.gov.uk

or visit the UKHO website at

www.ukho.gov.uk

Please see your relevant flag state authority for further information regarding regulations governing the dual use of ARCS and ENC in ECDIS.





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