

ADMIRALTY Digital Catalogue User Guide v2.6

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1. Introduction

Conventions Used in this Document

Italic font is used for:

- program and component names

Boldface is used for:

- chapter and section headlines
- important notes
- cross references


Courier New font is used for:

- any text typed by the user
- file content and names

Note:

- Displays important information which should not be ignored.

Please note:

- Logos incorporating the Admiralty  are trademarks of the UKHO.
- Screen layouts illustrated in this user guide may differ from the actual one.
- The information described in this user guide is subject to change without notice.
- Not all the functions described in this user guide may be supported by all Equipment Manufacturers' systems.
- Windows is a registered trademark of Microsoft Corporation in the United States and/or other countries.

2. Service Overview

The *Admiralty Digital Catalogue* combines the Paper Charts, ARCS, AVCS, ECDIS Service, Admiralty Publications and Digital Publications catalogues. The catalogue also has the facility to display current Temporary and Preliminary Notices to Mariners.

Navigators can view the limits of all the products and overlay a ship's route to compute the chart coverage needed for a safe passage. A typical scenario may be to select all available ENC's within the AVCS with gaps being filled in by ARCS or paper charts. An inventory function can be used to filter charts and ENC's that are already on board. The resulting list of required charts and ENC's left in the basket can be saved and emailed to a distributor of your choice as an enquiry for an order. Other products such as List of Lights or TotalTide can be selected simultaneously. The contents of the AVCS and ECDIS Service folios can also be viewed either graphically or textually.

The catalogues can be easily updated online with the latest data to ensure the charts and products available are always current.

3. Getting Started

System Requirements

To ensure trouble-free functioning the following minimum requirements must be met:

- Windows XP (Service Pack 3 recommended), Windows 7 (32/64 bit), Windows 8
- Screen resolution 1024 by 768 pixels
- Processor 2 GHz
- 512 MB of RAM
- 100 MB free disk space for the installation
- Fast Internet access for future catalogue downloads

Installation of Admiralty Digital Catalogue

Admiralty Digital Catalogue can either be downloaded from the UKHO website.

- Extract zip files named ADC_Full.zip
- Start Setup.exe
- Follow the instructions displayed on the screen.
-

This will install *Admiralty Digital Catalogue* on your computer.

Note: Any previously installed version of Admiralty Digital Catalogue must be closed prior to the installation of the new version.

Connection to Server for Online Updates

Admiralty Digital Catalogue reads the proxy information if available and then builds up the connection for downloading the catalogues to be updated.

The proxy settings to connect to the server are defined in Settings → Control Panel → Internet Options → tab Connections → LAN Settings → section Proxy Server.

4. Service Details

What is Admiralty Digital Catalogue?

Admiralty Digital Catalogue is a service program of The United Kingdom Hydrographic Office (UKHO) allowing you to manually select and combine vector charts, raster charts (ARCS) and paper charts (SNCs) into a single package. Additionally, other Admiralty products such as TotalTide and Digital List of Lights can be included.

Based on this selection distributors can create quotes, and customer orders can be placed. The products to be ordered are saved in a *Shopping Basket* and this file can then be transmitted by the customer to a distributor, selectable from a list.

Admiralty Digital Catalogue allows the customer to view, supplement, replace, renew, and optimise an inventory of charts at any time. This is supported by various search options, e.g. manual route selection, search for specific port names, creation of lists, etc.

Updating Catalogues

The chart catalogue files are regularly updated to ensure they are always current.

If the chart catalogues have not been updated or checked for updates for more than 7 days an out-of-date warning message will be displayed when *Admiralty Digital Catalogue* is started (see **Figure 1 unterhalb**). The catalogue can be updated online by selecting *..from the WWW-Site?* or *..from a folder on the disk?*. However, you can ignore this message by choosing *...later? (Use the catalogue menu)* or clicking the *Cancel* button.

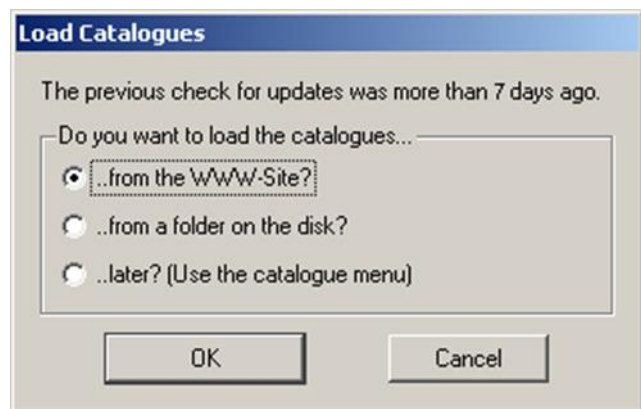


Figure 1 - Window Catalogue Warning

After clicking on *OK* the *Available Catalogue Updates* window will open, and display information about the catalogues which need to be renewed (see **Catalogue unterhalb**).

The User Interface

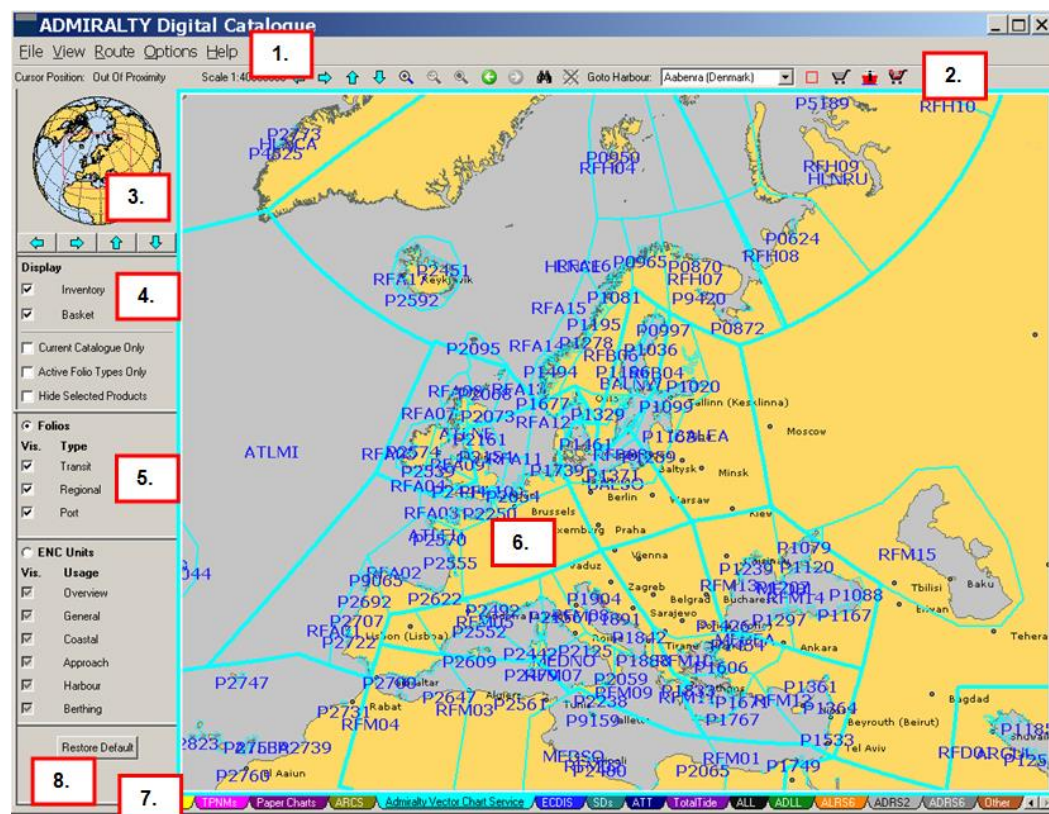


Figure 2 - ADMIRALTY Digital Catalogue User Interface

The *Admiralty Digital Catalogue User Interface* is divided into the following components:

1. The Menu Bar
2. The Navigation Bar
3. The Navigational Globe
4. Overlay Settings
5. Filter
6. The Chart Display
7. The Tab Bar
8. The Context Menus (via right mouse button)

The Menu Bar

The *Menu Bar* includes the following items:



Figure 3 - The Menu Bar

Menu Item File

The menu item *File* includes the following functions:

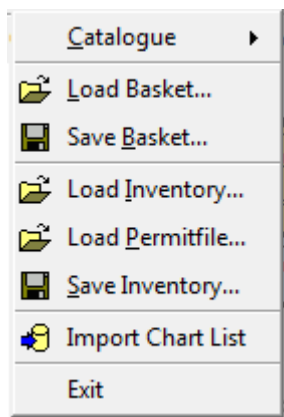


Figure 4 - Menu item File

Catalogue

The function *Catalogue* includes the following entries:

- Online Update of Catalogue...
- Load Catalogue from Disk...
- Status Of Catalogue...

Online Update of Catalogue

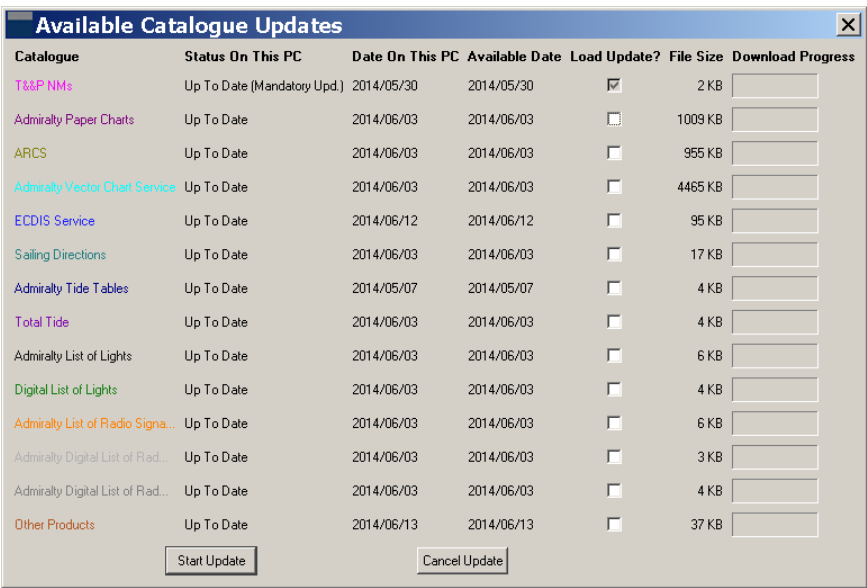


Figure 5 - Available Catalogue Updates dialogue

In the *Available Catalogue Updates* window information about the chart data is displayed.

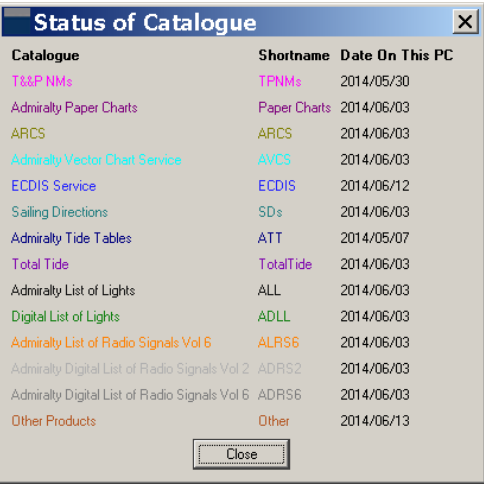
- In the left column the *Catalogues* are listed.
- *Status On This PC* displays whether the data is *Up To Date* or not.
- *Date On This PC* displays current date of data.
- *Available Date* displays the date of the available updates.
- *Load Update?* allows selecting of the catalogues to be updated.
- *File Size* gives the size of the catalogue files.
- *Download Progress* is symbolized while updating.
- Clicking on *Start Update* will load the selected data and update *Admiralty Digital Catalogue*. Clicking on *Cancel Update* will cancel the update process.

Load Catalogue from Disk

This entry opens a window in which the file ACCatalogs.zip can be selected. It is used if catalogue updates are supplied on disk or by email.

Status of Catalogue

This entry displays the date of each catalogue loaded onto the PC.



Catalogue	Shortname	Date On This PC
T&P NM's	TPNM's	2014/05/30
Admiralty Paper Charts	Paper Charts	2014/06/03
ARCS	ARCS	2014/06/03
Admiralty Vector Chart Service	AVCS	2014/06/03
ECDIS Service	ECDIS	2014/06/12
Sailing Directions	SD's	2014/06/03
Admiralty Tide Tables	ATT	2014/05/07
Total Tide	TotalTide	2014/06/03
Admiralty List of Lights	ALL	2014/06/03
Digital List of Lights	ADLL	2014/06/03
Admiralty List of Radio Signals Vol 6	ALRS6	2014/06/03
Admiralty Digital List of Radio Signals Vol 2	ADRS2	2014/06/03
Admiralty Digital List of Radio Signals Vol 6	ADRS6	2014/06/03
Other Products	Other	2014/06/13

Figure 6 - Catalogue Status

Load Basket...

This function opens a file selection box which allows the user to load a previously saved basket file (.txt) or and e-Navigator basket file (.bsk) into the *Shopping Basket*. The saved basket file contents are added to any products already within the basket.

The format is as follows:

Product Type	Product Number
ENC Units	IT400106
ARCS	122

Save Basket...

This function allows the user to save the content of the *Shopping Basket* into a file. It is also possible to save the basket file in a comma separated value (.csv) format so that the contents of the basket can be easily imported into Microsoft Excel.

Load Inventory...

This function opens a file selection box which allows the user to load a previously saved inventory file into the *Inventory*. The file extension is .txt.

An inventory text file from another source can also be loaded into the catalogue. It must comply with the correct catalogue format as follows:

Product Type	Product Number
ENC Units	IT400106
ARCS	122

If the current inventory already contains a number of products, the user is asked whether to overwrite or merge the contents.

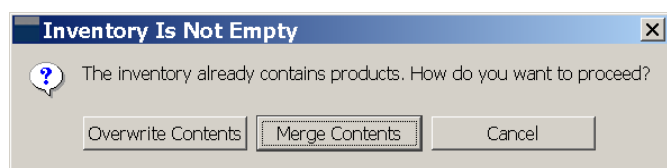


Figure 7 - Message window to overwrite or merge contents of Inventory

Load Permit File...

This function opens a file selection box which allows the user to use a raster or vector chart permit file to populate the inventory. The populated charts are highlighted in the catalogue. Please note invalid cells are not loaded.

Save Inventory...

This function allows the user to save the content of the *Inventory* into a file.

Import Chart list...

This function allows the user to load a list of products, for example paper charts, and have these products highlighted in the chart display, added to the shopping basket or added to the inventory.

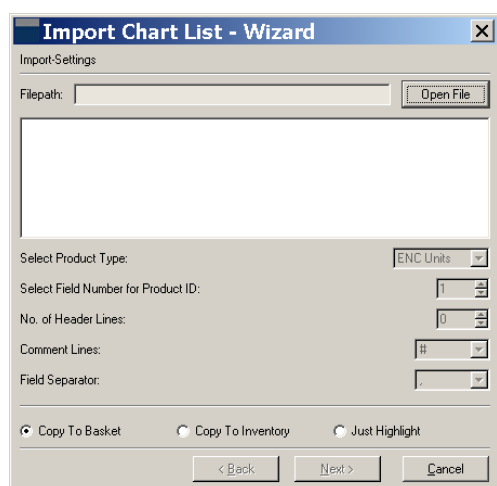


Figure 8 – Import Chart List

Open File – the file that contains the list of products.

Select Product Type – the type of product in the file, ARCS, BA Charts, ENCs.

Select Field Number for Product ID – where the file contains more information than just the product code, this defines where the product code can be located.

No. of Header lines – where the file contains headings this identifies the number of header lines; this is to say the number of lines at the start of the file that will be ignored.

Comment Lines – where the file contains comments enables the wizard to identify these and ignore them.

Field Separator – where the file contains more information than just the product code, this identifies how the information is separated, for example by comma or tab character.

Copy To Basket – will add each product in the file into the catalogue basket.

Copy To Inventory – will add each product in the file into the catalogue inventory.

Just Highlight – highlights all the products in the file, useful to select products on the current tab based on the limits of a different type of product, for example loading and highlighting a list of BA Charts which can be used to select ENCs.

Next – will preview the file using the current settings.

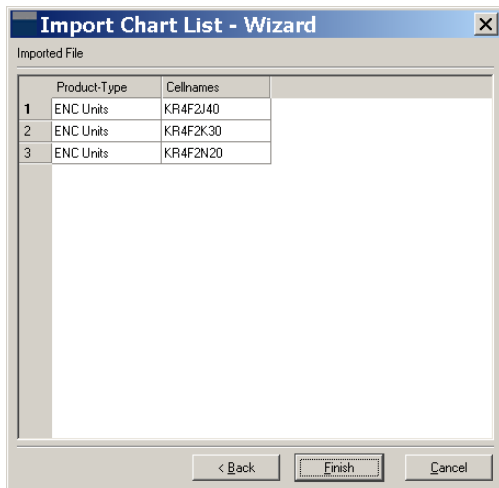


Figure 9 – Import Chart List

This form enables the user to preview the file, to check that the correct field has been identified as the product ID.

Back – will take the user to the previous screen so that the import parameters can be modified.

Finish – will process the file.

Cancel – will cancel the import.

Exit

This function terminates Admiralty Digital Catalogue.

Menu Item View


The menu item *View* includes the following functions:



Figure 10 - Menu item View

Basket Dialogue

In the *Shopping Basket* all products that have previously been selected are displayed. A list of products to be ordered can be compiled.

The *Shopping Basket* can also be opened by clicking on  in the *Navigation Bar*.

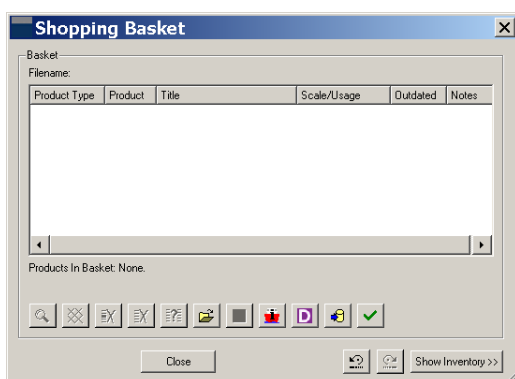














Figure 11 - Shopping Basket without Inventory

There are several buttons in the lower part of the *Shopping Basket* window for handling the contents. The functions are:

	Zoom to selected product(s).
	If on, selected product(s) will be highlighted in the <i>Chart Display</i> .
	Remove selected product(s) from basket.
	Remove all products from basket.
	Mark products in basket that are already in the <i>Inventory</i> .
	Load basket file.
	Save basket file to a text or CSV file.
	Edit Ship Information. Opens the <i>Ship Information/Registration Dialogue</i> .
	Show List of Distributors in Browser. Opens the list of UKHO distributors
	Import Chart Wizard, imports a list of products into the basket.
	Check if Unit-Cells are included in Folios
	Undo last Basket or Inventory modification (the redo is a mirror icon).

When AVCS Folios and ENC's are included in the *Shopping Basket* there is the possibility that duplicate ENC's may exist. By clicking on *Check if Unit-Cells are included in Folios* this will check and report any duplication and provide the option to remove any duplicate cells.

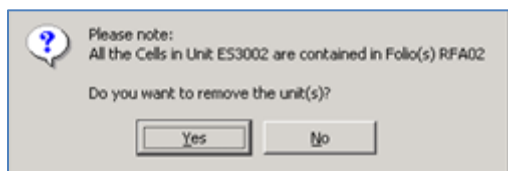
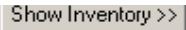




Figure 12 – Check for duplicate cells

By clicking on  the *Shopping Basket* window is supplemented with an *Inventory* window. All products which have been selected for or loaded into the *Inventory* are displayed within it.

Clicking on  closes the *Inventory* window.

When the *Inventory* is open products can be exchanged between the *Shopping Basket* and *Inventory*. This is done by means of the two buttons

	Move selected product(s) from <i>Basket</i> to <i>Inventory</i> .
	Copy selected product(s) from <i>Inventory</i> to <i>Basket</i> .

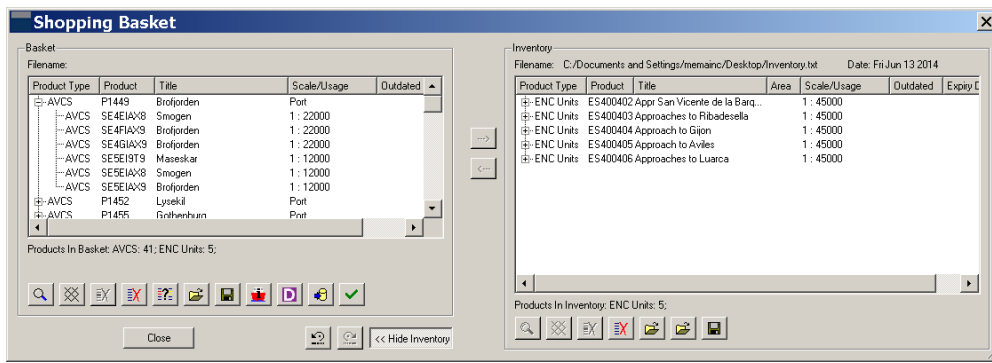


Figure 13 - Shopping Basket with open Inventory

In the *Inventory* there are also several buttons with the following functionality:



Zoom to selected product(s).



If on, selected product(s) will be highlighted in the *Chart Display*.



Remove selected product(s) from *Inventory*.



Remove all products from *Inventory*.



Load a saved inventory file or a list of products from a text file into the *Inventory*.



Load a permit file into the *Inventory*.



Save a list of products in *Inventory* to a text file.

Contents of Basket and Inventory

Both the *Shopping Basket* and *Inventory* include the following columns:

Product Type	Name of the catalogue the product belongs to.
Product	Displays the identifier of the product.
Title	Displays the name of the product.
Scale/Usage	Either the scale of the chart is displayed or the usage (e.g. Harbour, Approach, etc.), depending on what product is selected.

Ship Registration Dialogue

Figure 14 - Ship Information / Registration dialogue

The *Ship Registration Dialogue* asks for information necessary for the ordering of products. The fields in red must be completed as a minimum. The *Vessel Name* is used for naming the basket and inventory file.

The section *Electronic Chart Systems on Board* archives User Permits, ARCS Pin and the Hardware-Id necessary to use digital products. These codes avoid the illegal use and distribution of protected products.

Note: The Electronic Chart Systems on Board section is only visible if there are ARCS or ENC Units in the Shopping Basket.

List of Distributors

This function opens the list of registered Distributors, ordered by distributor name. The list of distributors is also accessible from the *Shopping Basket*. It includes a link to the latest online version of the list which allows users to search for a particular distributor either by name or country.

Tool Windows

This function opens a menu which allows the user to select or deselect any of the entries below in order to display or hide the respective feature. It can also be opened as a context menu by right clicking anywhere except on the chart display.

Navigational Globe	Removes / displays the <i>Navigational Globe</i>
Overlay Settings	Removes / displays the <i>Overlay Settings</i>
Usage Settings	Removes / displays the <i>Filter</i> (Scale Ranges or Usages) and the <i>Restore Default Button</i> (Filter).

Note: Item Usage Settings is not available (i.e. is not visible) when the Basket tab or Inventory tab are selected or other tabs where no filter is used.

Cursor Position	Removes / displays the Cursor Position in <i>The Navigation Bar</i>
Chart Tools	Removes / displays <i>The Navigation Bar</i> .

Menu Item Route

This menu item facilitates the creation of new routes and the loading and editing of saved or predefined routes. It includes the following entries:

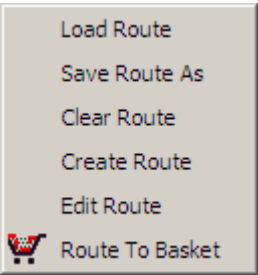


Figure 15 - Menu item Route

Load Route

This function opens a file selection box which allows the selection of a route file with numbered waypoints. The following route files can be loaded:

- 1. A *.7CB* file (directENC *Admiralty Digital Catalogue* format) i.e. a route file created and previously saved in *Admiralty Digital Catalogue*.
- 2. A text file whose content must follow a defined format, e.g. waypoint lists generated by certain ECDIS systems.
- 3. Additionally the following decimal lat / long format is accepted:

53.88	9.18
53.88	9.13
53.87	9.09
53.86	9.05
53.85	9.01
53.84	8.93

The coordinates are tab separated and any number of decimal places is acceptable. The Lat & Long coordinates are negative when in the West or South respectively.

Note: A third field for the designation of the waypoint (Wpt1, Wpt2, Wpt3, etc.) will be generated automatically in Admiralty Digital Catalogue during display.

Please see chapter **Create Route** unterhalb for how to manually create a route with numbered waypoints in *Admiralty Digital Catalogue*.

Save Route as

This function saves a created route to a .7CB file (directENC). A dialogue is opened to specify the location and name of the route file.

Clear Route

This function removes the route from the *Chart Display*.

Create Route

After selecting *Create Route* you can position the waypoints of the new route on the chart display. The route is automatically in edit mode (see **Edit Route unterhalb**).

Whenever the left mouse button is clicked a new waypoint is set. The right mouse button will terminate the route. The route is still in edit mode and can be modified if necessary. The edit mode must be deactivated with another right click to apply the changes.

The waypoints are numbered consecutively WP_001, WP_002, etc. and will be displayed provided *Display Product Labels and Place Names* is selected (see **Menu Item Options unterhalb**).

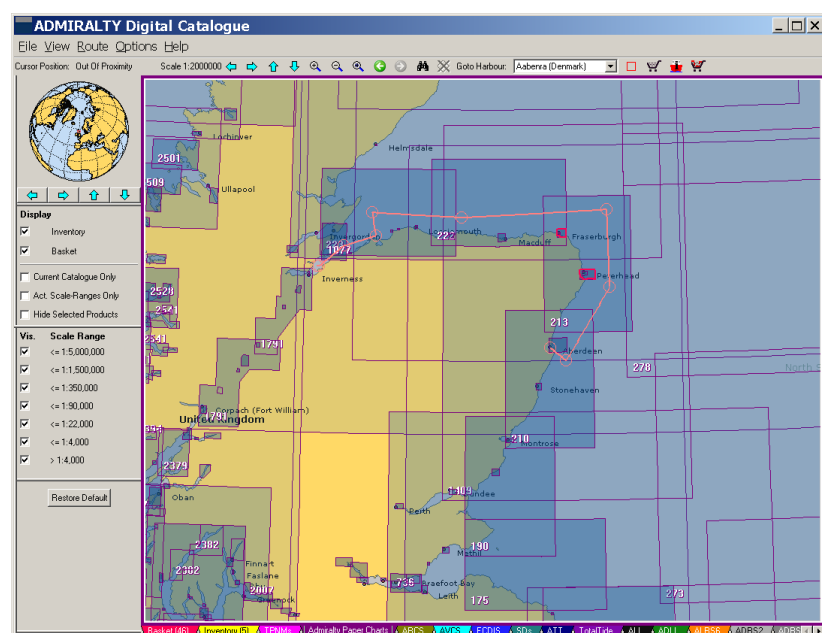


Figure 16 - Creating a new route with names displayed

Note: It is not possible to display more than one route at a time.

Edit Route

This function toggles between edit mode and non-edit mode. When the route is in edit mode, it is displayed as a solid, thin red line. The waypoints are marked by a circle as in normal display mode but no waypoint name is shown. Whenever the mouse cursor is close to a waypoint, it will change its shape to a four directional arrow, indicating that by clicking here the waypoint can be moved. If the cursor is close to a leg line, its shape turns into a simple 'crosshair' cursor. The cursor indicates that the user can insert a waypoint into this leg. Whenever the first or last waypoint of a route is moved, after setting its new position, a new waypoint is automatically inserted under the cursor. Thus the user can continuously extend the route at either end.

Pressing the *Esc* key while a waypoint is moved will cancel the move and the waypoint will remain at its original position.

Pressing the right mouse button has different meanings, depending on the context. If a waypoint is being moved, pressing the right mouse button will delete it. If no waypoint is moved, pressing the right mouse button will exit the edit mode.

If there were modifications to the route, a window pops up asking whether to apply or discard the changes or offers to continue editing. The edit mode can also be stopped by unchecking the *Edit Route* menu entry.

Route to Basket

This function loads all the required products of the selected catalogue for a previously defined route into the *Shopping Basket*. All products which are crossed by the route are listed. This list can be edited in the *Shopping Basket*.

Menu Item Options → Options...

This menu item opens the *Options* dialogue. In it you can set *General Preferences*.

Note: Preferences which have been set will remain as the default until they are altered again.

General Preferences

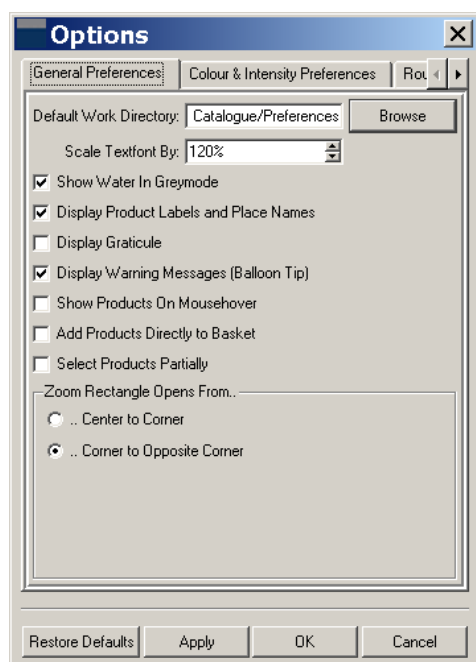



Figure 17 - General Preferences of Options dialogue

In the index card *General Preferences* the following preferences can be set:

Default Work Directory:	Can be selected by clicking on the <i>Browse</i> button
Scale Textfont By:	Sets the size of text – the default is 120% (percentage of the original size)
Show Water in Greymode:	Displays water areas in grey colour, otherwise it is shown in blue
Display Product Labels and Place Names:	Displays product labels and names of waypoints, cities, rivers etc on the chart.
Display Graticule:	Displays a graticule. The distance between the parallels and meridians is determined automatically, depending on the display scale.
Display Warning Messages (Balloon Tip):	Displays warning messages e.g. there are no products available in the basket or inventory, or all usages are invisible.
Show Products on Mousehover:	Opens a window displaying information about the charts at the cursor location.
Add Products Directly to Basket:	When checked this will by-pass the product selection window, adding all products at the selection point directly into the basket.
Select Products Partially:	When selecting products with the selection rectangle,  , this option determines whether the product has to be fully or only partially covered by the rectangle.

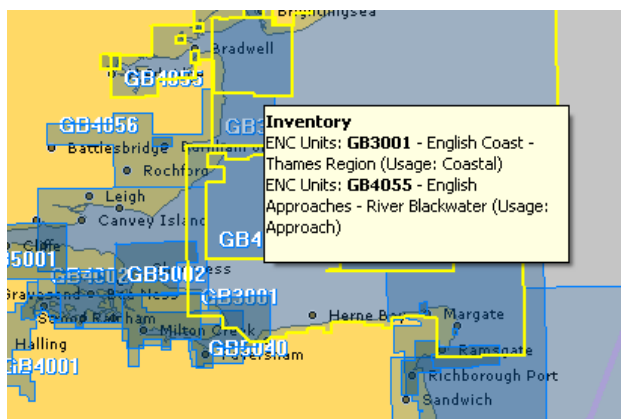


Figure 18 - Mouse Hover: Display of products of an area the mouse cursor is set on

Zoom Rectangle opens from ...

- ...Center to Corner
- ...Corner to Opposite Corner
-

Clicking on *Restore Defaults* at bottom left will set back all changes made to the original default *General Preferences* settings and Route Buffer widths.

Colour and Intensity

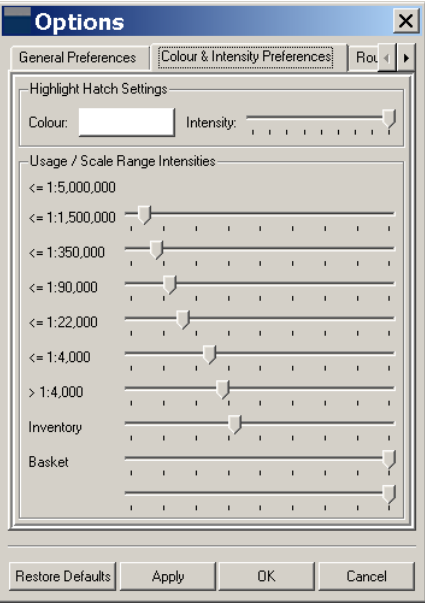


Figure 19 – Colour & Intensity

This provides the facility to amend the colour and intensity of the hatching which depicts whether an ENC cell has supplementary information. This information will be displayed in the Notes column of the shopping basket.

Route Buffer Widths

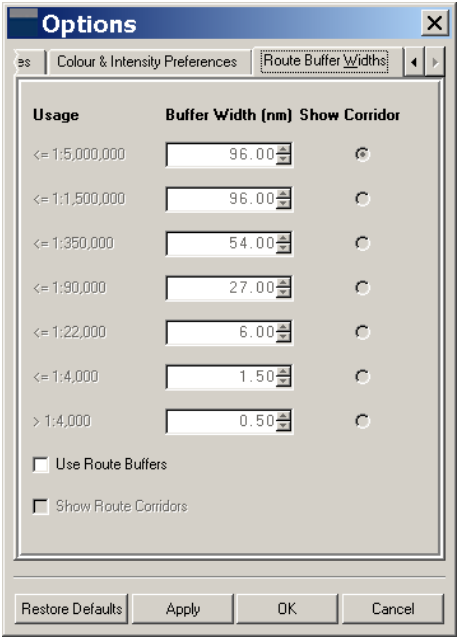


Figure 20 – Route Buffer Widths dialogue

This dialog enables the user to define buffer widths for route planning. When this is set, all products that intersect the defined buffer will be added to the basket.

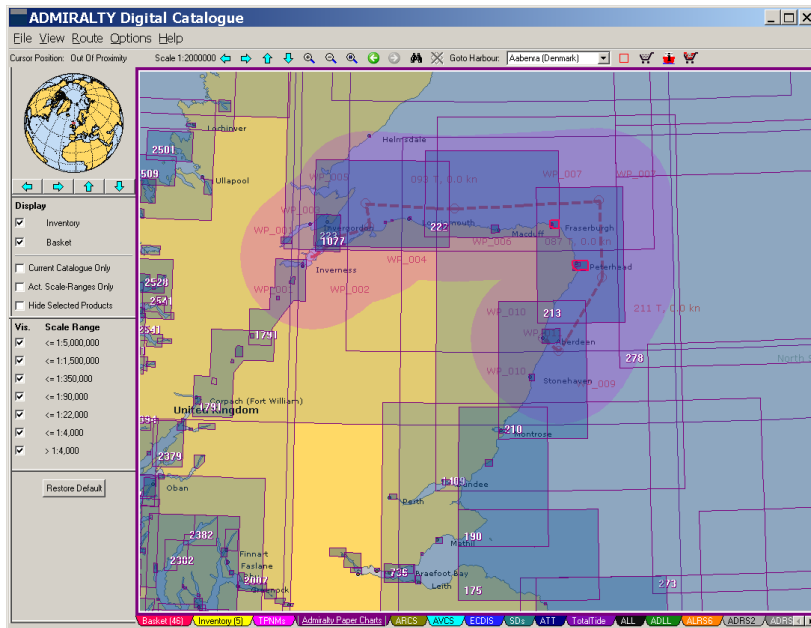


Figure 21 – Route with Buffer Widths defined

Menu Item Help

This menu item includes the following entries:

Help (F1) Opens the User's Guide as .pdf document.

About Admiralty Digital Catalogue

Gives information about the currently used version of *Admiralty Digital Catalogue* and information about the QT version used to develop *Admiralty Digital Catalogue*.

The Navigation Bar

At the top of the window below the *Menu Bar* there is the *Navigation Bar*. It facilitates navigating within the *Chart Display*. On the left end of the *Navigation Bar* the *Cursor position* is displayed.

Cursor Position: 51 36.0 N 010 13.8 W

Figure 22 - Cursor position in the Navigation Bar






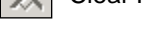




To the left of the cursor position display there are several buttons in the *Navigation Bar*.



Figure 23 - The Navigation Bar

The buttons have the following functions:

- | | | |
|--|----------------------|---|
| | Scroll Left (Left) | Shifts the display window to the left (chart to the right). |
| | Scroll Right (Right) | Shifts the display window to the right (chart to the left). |
| | Scroll Up (Up) | Shifts the display window upwards (chart downwards). |
| | Scroll Down (Down) | Shifts the display window downwards (chart upwards). |
| | Zoom In (PgDown) | Enlarges the display scale of the chart currently displayed (reduces the size of the displayed area). |
| | Zoom Out (PgUp) | Reduces the display scale of the chart currently displayed (enlarges size of the displayed area). |

	Maximum Zoom Out (Ctrl+PgUp)	
	View Backward (Backspace)	Goes back to the previous view. Grey when disabled.
	View Forward (Ctrl+Backspace)	Goes forward to the next view. Grey when disabled.
	Search (Ctrl+F)	Opens the <i>Search</i> window.
	Clear Highlights (Ctrl+H)	Turns off highlights (see respective button to highlight products in the <i>Shopping Basket</i> and <i>Inventory</i>).
	Goto Harbour:	Selection of a harbour from a drop-down list or enter part of the harbour name to search.
	Select Products For Basket By Rectangle (Ctrl+R)	Product selection rectangle option. All available products from the current catalogue, wholly within a rectangle, will be selected and displayed in the <i>Products Found In</i> window.
	Open Basket (Ctrl+B)	Opens the <i>Shopping Basket</i> window.
	Open Ship Registration (Ctrl+S)	Opens the <i>Ship Information / Registration Dialogue</i> (see chapter Ship Registration Dialogue).
	Route to Basket (Ctrl+O)	Loads all products from the selected catalogue required for a previously defined route into the <i>Shopping Basket</i> .

Search

The *Search* window is opened by clicking on the  button in the *Navigation Bar*.

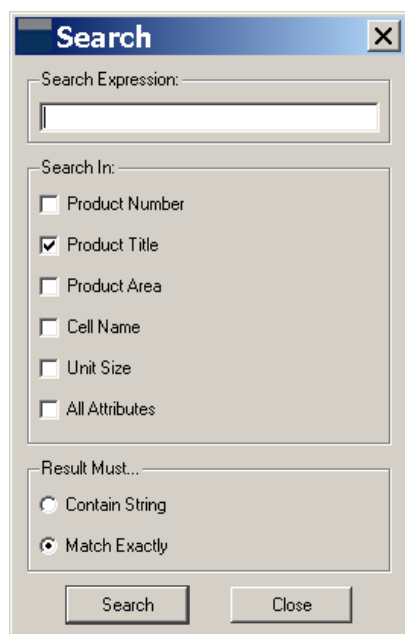


Figure 24 - The Search window

In the *Search Expression* input field you can enter either the number of the product you are looking for, or the name of the product or the product area.

You can also define whether the entered character string is contained in the result, or whether it must be an exact match. Under *Result Must...* at the bottom of the window tick:

- Contain String or
- Match Exactly

It is also possible to define whether the search shall be carried out for

- Product Number
- Product Title
- Product Area
- Cell Name
- Unit Size
- All Attributes

Note: When Product Number is selected Product Title and Product Area are disabled. However, it is possible to search for Product Title and Product Area either separately, or in combination.

Search in Product Number

After selecting the catalogue which contains the desired product, enter the product number and click on *Search*. The result will be displayed in the *Products Found In* window.

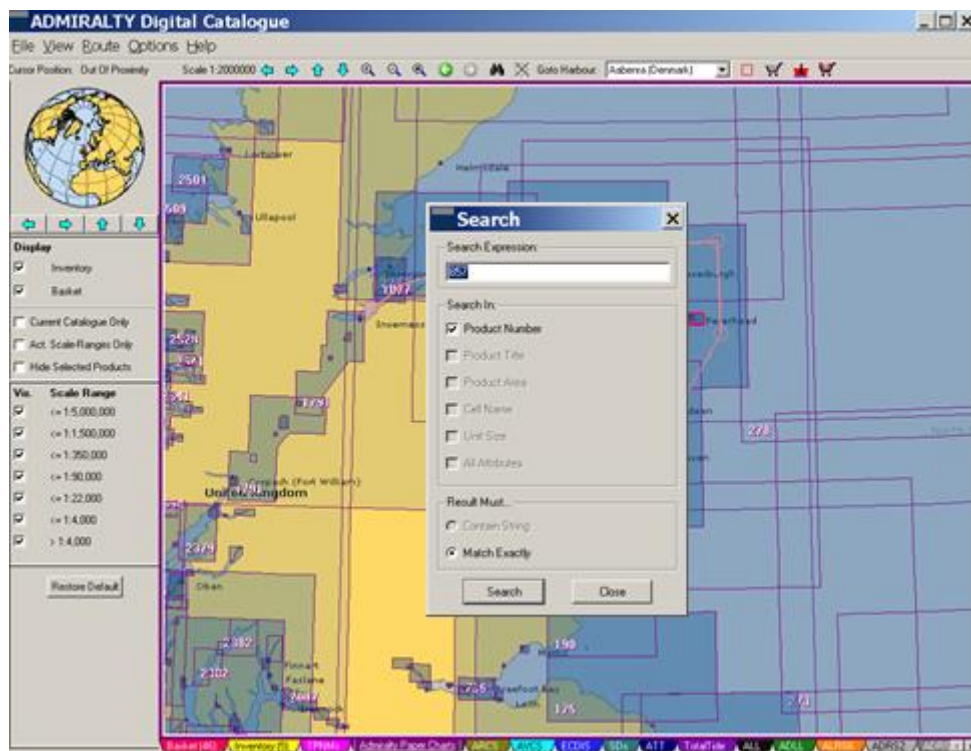


Figure 25 - Search for product number 857 in the ARCS (Raster Charts) Catalogue

When searching for AVCS Folios, the limits of the individual ENC's will be shown on the Chart Display.

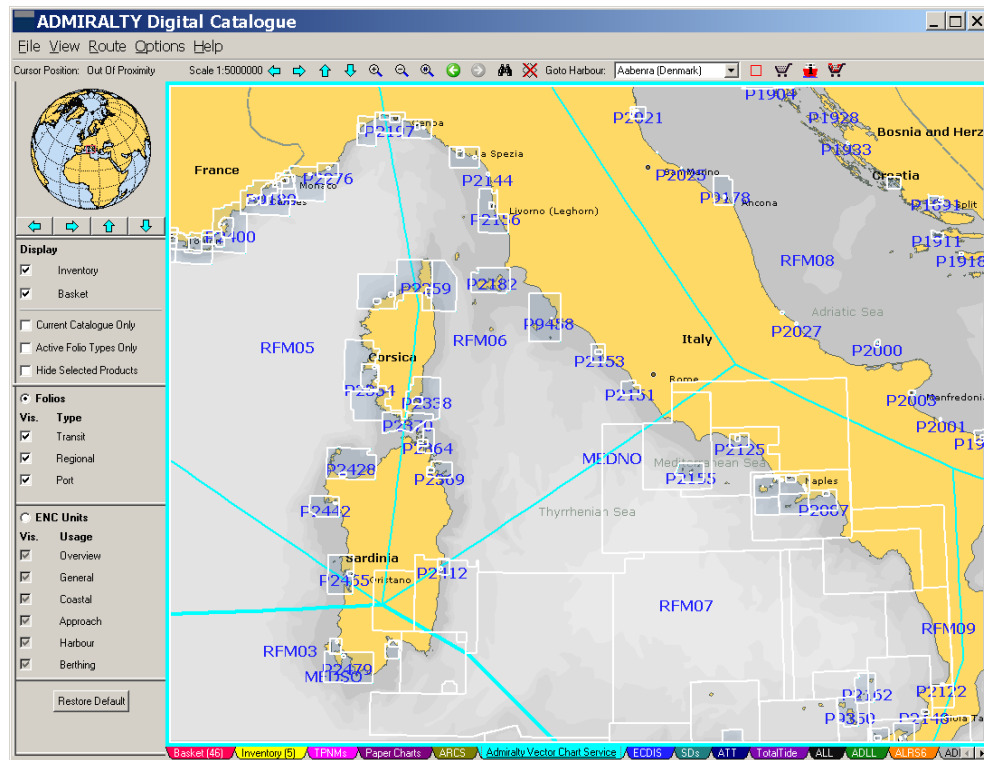


Figure 26 – ENC Limits shown for selected AVCS Folio

To determine the name of the individual ENC units shown on the display, select ENC Units. As the image is zoomed in, ENC unit names will be displayed on the Chart Display. Alternatively if *Show Products on Mousehover* has been selected, then details will be displayed when the mouse is placed over the unit.

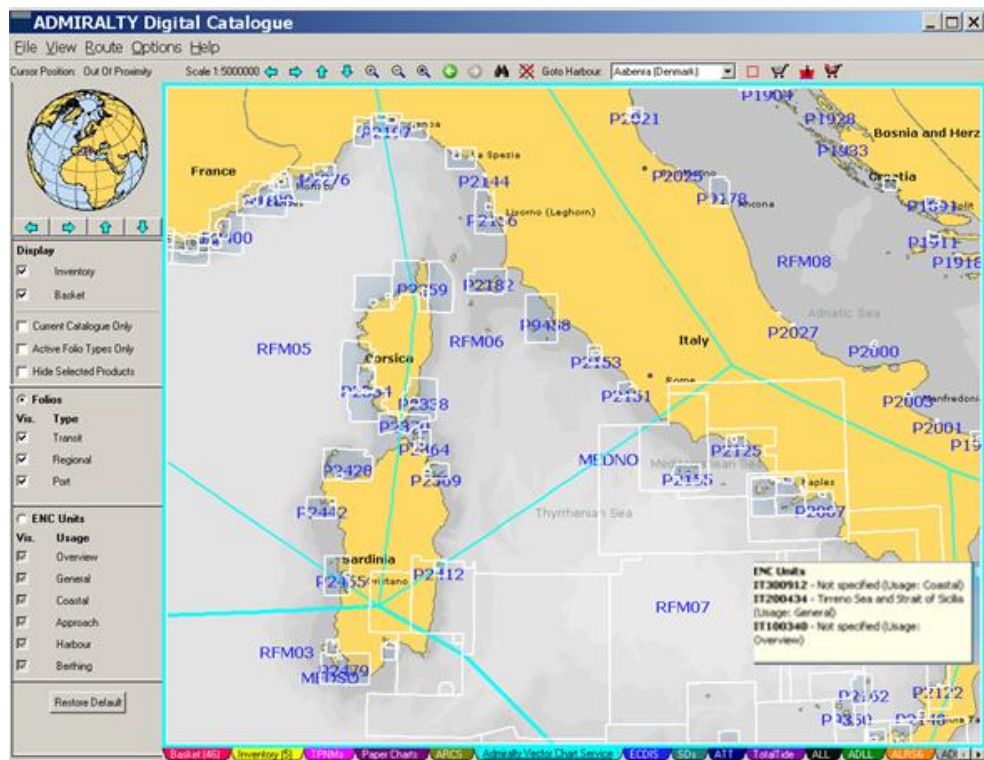


Figure 27 – ENC details shown

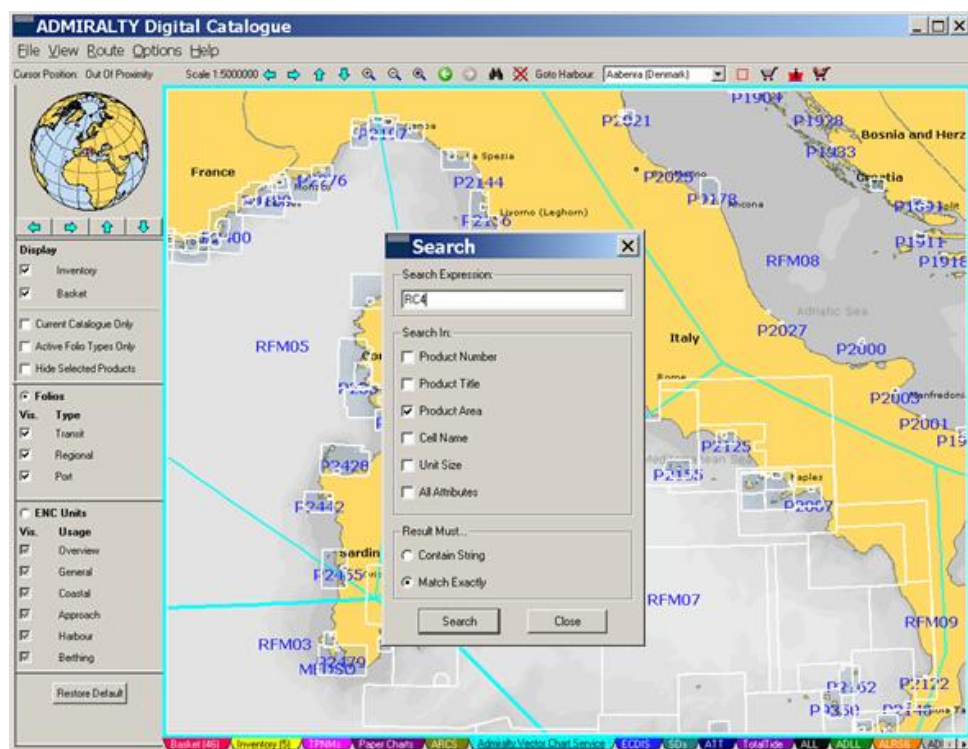
Search in Product Title

After selecting the catalogue which contains the desired product, enter the title and click on *Search*. The result will be displayed in the *Products Found In* window.

It is possible to enter the complete name of the desired product, or a part (string) of the name. No wildcards are required.

Search in Product Area

If you want to search for the *Product Area* you must enter an *Area Code*, from the respective catalogue, into the *Search Expression* field. This search is primarily used for the ARCS areas, e.g. RC4 etc.



Products Found In "ARCS" (ARCS)							
Product Type	Product	Title	Highlight	Basket	Inventory	Usage(s)	Scale
ARCS	1210	Ports on the East Coast of Sardegna	Normal Display	Add	Add	Approach	1:30.000
ARCS	1212	Approaches to La Maddalena	Normal Display	Add	Add	Harbour	1:10.000
ARCS	131	Ports on the West Coast of Italy	Normal Display	Add	Add	Approach	1:60.000
ARCS	1424	Ports on South & West Coasts Corse	Normal Display	Add	Add	Approach	1:60.000
ARCS	1425	Ports on North & East Coasts Corse	Normal Display	Add	Add	Approach	1:50.000
ARCS	906	Ports on the West Coast of Italy	Normal Display	Add	Add	Coastal	1:100.000
ARCS	953	Approaches to Civitavecchia	Normal Display	Add	Add	Approach	1:30.000
ARCS	1211	Capo Ferro to Capo Coda Cavallo	Normal Display	Add	Add	Approach	1:50.000
ARCS	1213	Bonifacio Strait	Normal Display	Add	Add	Approach	1:51.706
			All On	Add All	Add All		
			All Off	Remove All	Remove All		

Figure 30 - Products Found In window

For each found product the *Product Type*, *Product* number, *Title*, *Usage* and *Scale* are given. It is also possible to sort the products according to one of these characteristics by clicking on the title of the respective column.

In addition, there are three more columns in the *Products Found In* window:

Highlight Products

It is possible to highlight one or more products in the *Chart Display*. This is done by clicking on *Highlight* in the product row. For highlighted products *Normal Display* is shown instead. Clicking on it will turn off the highlighting.

All On	highlights all listed products
All Off	turns off the highlighting of all listed products

Note: It is possible to set all highlighted products back to normal display at once. This is done by clicking on the button  in the Navigation Bar.

Note: Clicking on the title of a product (rather than on Highlight) will zoom to the product and highlight it.

Adding Products to Basket

By clicking on *Add* in the *Basket* column you can add the found product to the *Shopping Basket* (or *Remove* it, respectively).

After the product has been put into the *Basket* the text is highlighted by a red bar (see **below**).

Adding Products to Inventory

By clicking on *Add* in the *Inventory* column you can add the found product to the *Inventory* (or *Remove* it, respectively).

After the product has been put into the *Inventory* the text is highlighted by a yellow bar (see **below**).

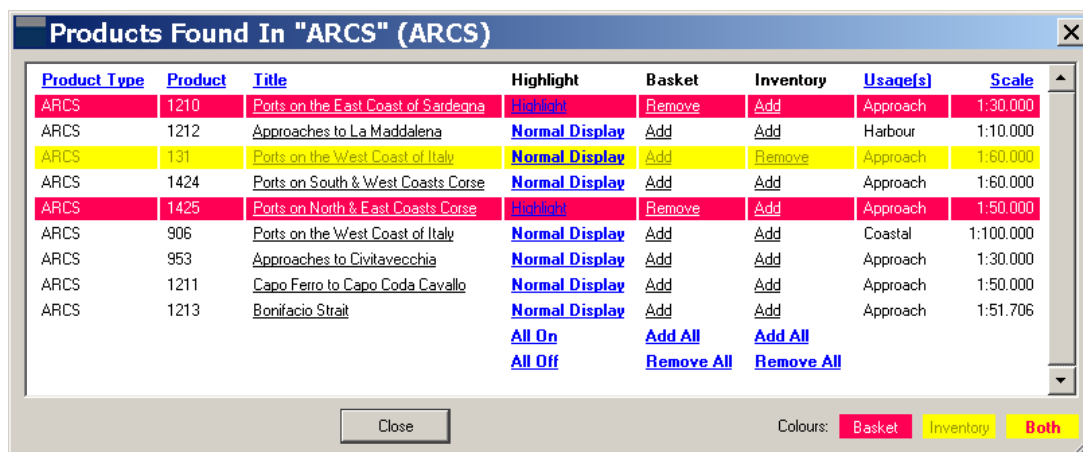


Figure 31 - Products Found In window displaying product in Shopping Basket and Inventory

If a product is in both the *Basket* and *Inventory* then it is highlighted in red text over a yellow bar.

Add All Adds all listed products to the *Basket* or *Inventory*

Remove All	Removes all listed products from the <i>Basket</i> or <i>Inventory</i>
------------	--

Legend: At the bottom right corner shows the meaning of the colours used in the list.

Goto Harbour

This function incorporates an index of ports and harbours of the world in alphabetical order. As well as scrolling through the list it is possible to type in a part of the harbour/port name and the catalogue will show the best match.



Figure 32 - Drop-down list Goto Harbour

When a port is selected the *Navigational Globe* and the *Chart Display* will change to show the selected harbour in the centre of the respective display.

Port selection can be aided by typing the first letter of the port name.

The Navigational Globe

There is a *Navigational Globe* plus four arrow keys displayed in the top left of the *Admiralty Digital Catalogue* screen. The arrow keys can be used for navigating around the globe.

Use *View* → *Tool Windows* to turn the globe on and off, or right click outside of the *Chart Display*.

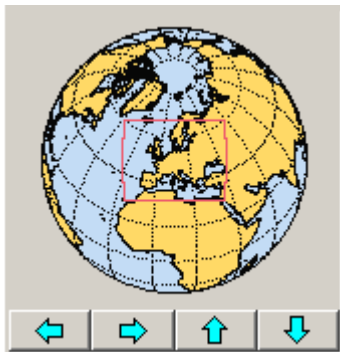


Figure 33 - Navigational Globe

With the arrow buttons the globe can be rotated left, right, up or down.

Left clicking any position on the globe will display this position as the new centre of both the globe display and the *Chart Display* at the current scale.

When a port is selected (see **Goto Harbour oben**) this port will become the centre of the globe display.

The current view of the *Chart Display* is indicated by a red rectangle on the globe.

Overlay Settings

Selecting / deselecting will display / hide the products which are in the *Shopping Basket* or *Inventory* overlaid in the various catalogues as red or yellow limits respectively.

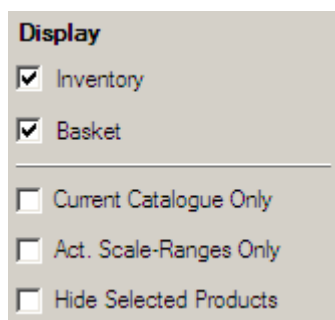


Figure 34 - Overlay Settings

The lower section offers options for the *Shopping Basket* and *Inventory* overlay display in the different catalogue tabs.

- *Current Catalogue Only*: Overlays only the products in the *Shopping Basket* or *Inventory* of the currently selected catalogue tab. Deselect it to view all products which are in the *Shopping Basket* or *Inventory* from all catalogues.
- *Act.(ive) Usages/Scale Ranges Only*: Overlays only the products in the *Shopping Basket* or *Inventory* of the currently selected usages / scale ranges. Deselect it to view all products which are in the *Shopping Basket* or *Inventory* from all usages / scale ranges.
- *Hide Selected Products*: Hides/clears all products on the *Chart Display* from the currently selected catalogue tab which are already in the *Shopping Basket* or *Inventory*.

Note: The option *Hide Selected Products* slows down the display.

Filter

In the *Filter* area (*View* → *Tools Window* → *Usage Settings*) of the *Admiralty Digital Catalogue* user interface you can select one or more Scale Ranges, Usages or Levels for display depending on the product selected and displayed in the *Chart Display*.

Note: The Products Found In for each right click on the Chart Display is based on the selected (activated) Scale Ranges, Usages or Levels only.

Scale Ranges (T&P NMs, Paper Charts & ARCS)

Each paper chart or ARCS chart has a particular scale. They can be viewed on the *Chart Display* by scale range. By ticking (or deselecting) *Vis.(ible)* single scale ranges can be displayed or hidden.

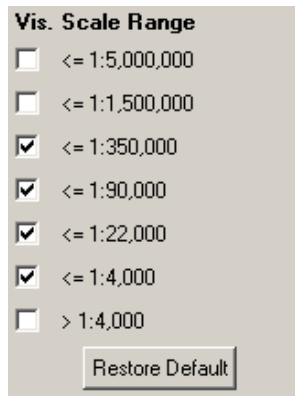


Figure 35 - Scale Range Settings (T&P NMs, Paper Charts & ARCS)

Folios and ENC's (AVCS)

The Admiralty Vector Chart Service (AVCS) can be ordered and viewed in two ways – Folios and ENC's. The display can be adjusted by selecting either Folios or ENC's.

Folios consist of three groups – Transit, Regional and Port. By ticking (or deselecting) *Vis.(ible)*, single Folio types can be displayed or hidden.

The folio definitions are summarised below – more detailed descriptions can be found on the UKHO website www.ukho.gov.uk :

- Transit folios provide sufficient coverage for a vessel to pass safely through a region.
- Regional folios contain predominantly coastal (band 3) cell coverage.
- Port folios contain Approach (band 4), Harbour (band 5) and Berthing (band 6) cell coverage.

ENC's consist of 6 usage bands – Overview, General, Coastal, Approach, Harbour and Berthing. Each ENC is assigned to a particular usage band (for navigational purposes). They can be viewed on the *Chart Display* by usage band. By ticking (or deselecting) *Vis.(ible)*, single usages can be displayed or hidden.

Folios	
Vis.	Type
<input checked="" type="checkbox"/>	Transit
<input checked="" type="checkbox"/>	Regional
<input checked="" type="checkbox"/>	Port

ENC Units	
Vis.	Usage
<input checked="" type="checkbox"/>	Overview
<input checked="" type="checkbox"/>	General
<input checked="" type="checkbox"/>	Coastal
<input checked="" type="checkbox"/>	Approach
<input checked="" type="checkbox"/>	Harbour
<input checked="" type="checkbox"/>	Berthing

Figure 36 – Folios and ENC Settings (AVCS)

Levels (ECDIS)

Each ECDIS Service folio is assigned to a *Full*, *Standard* or *Transit* level which describes the navigational purpose of the folio and thus the extent of the ENC and ARCS content of the folio. By ticking (or deselecting) *Vis. (ible)* single levels can be displayed or hidden.

The folio definitions are summarised below – more detailed descriptions can be found on the UKHO website www.ukho.gov.uk :

Transit: only contains ENCs and ARCS required for safe transit through the area.

Standard: contains ENCs and ARCS required for operational use including all key ports and approach charts.

Full: contains all ENCs and ARCS available for the area.

Vis.	Level
<input checked="" type="checkbox"/>	Transit
<input checked="" type="checkbox"/>	Standard
<input checked="" type="checkbox"/>	Full

Figure 37 - Level Settings (ECDIS Service)

Restore Default Button (Filter)

Clicking on *Restore Default* will set back all changes made to the filter settings.

Restore Default

Figure 38 - Restore Default button



The Chart Display

All products can be viewed in the *Chart Display*.

The desired geographic area can be selected either by using the *Navigational Globe* or by the 'grab and pan' facility available when the middle mouse button (wheel) is pressed. It is also possible to enter a port name (see chapter **Goto Harbour oben**) or to search for a certain product (see **Search oben**).

A single click with the middle mouse button will set a new centre. Clicking, holding and dragging the left mouse button will open a rectangle defining the new view.

Select any of the catalogues in the *Tab Bar* to view the chart types / products or select the *Shopping Basket* or the *Inventory* to view the contents.

Charts and products can be selected on the *Chart Display* and added to the *Shopping Basket* by either opening the *Products Found In* dialogue using the right mouse button, and clicking on *Add* or using the function *Select Products for Basket by Rectangle* (click  from the *Navigation Bar*) or by using the *Route to Basket* function. The *Products Found In* dialogue can also be opened by using the *Search* function (click  from the *Navigation Bar*, see **Search oben**).

By default products contained in the *Shopping Basket* or the *Inventory* are always shown in the *Chart Display*, regardless of the tab currently selected. However, they can be turned off (made invisible) by using the *Overlay Settings*.

By default products in the *Shopping Basket* are displayed with red outlines, while products in the *Inventory* have yellow outlines.

When the tabs *Contents of Basket* or *Contents of Inventory* in *The Tab Bar* are selected the products will be displayed in the colours of the respective catalogues containing these products.

By means of the *Basket Overlay Settings* and *Inventory Overlay Settings* (see **Overlay Settings oben**) you can specify whether products which are in the *Shopping Basket* or *Inventory*, of all catalogues, or only of the selected catalogue shall be shown. Additionally, products already in the *Shopping Basket* or *Inventory* can be hidden from the display.

In the following figures there are three examples how products can be presented in the *Chart Display*.

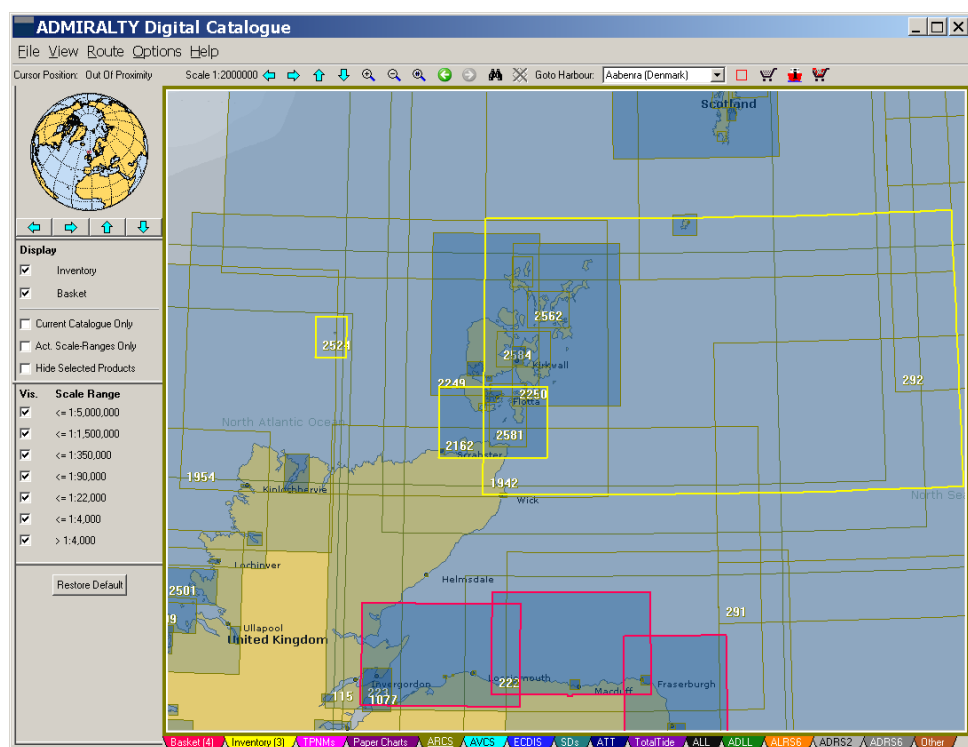


Figure 39 - Display of products from the ARCS catalogue including products that have been previously loaded into the Basket (red outline) and Inventory (yellow outline)

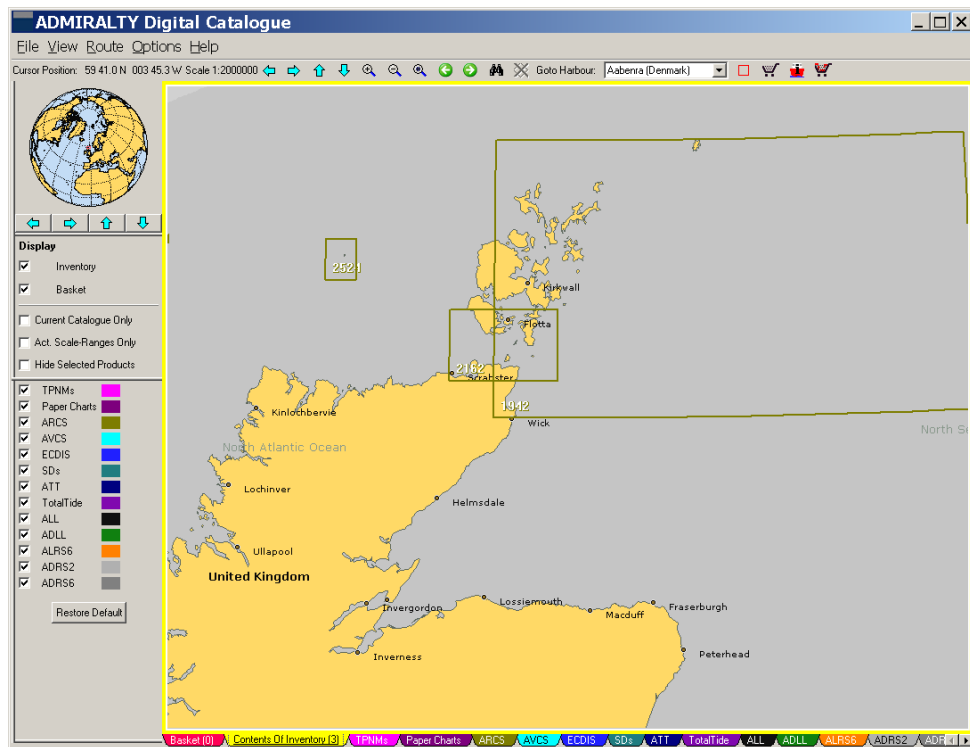


Figure 40 - Display of Contents of Basket including products from the ARCS catalogue (olive-coloured). The products with the yellow outline are in the Inventory.

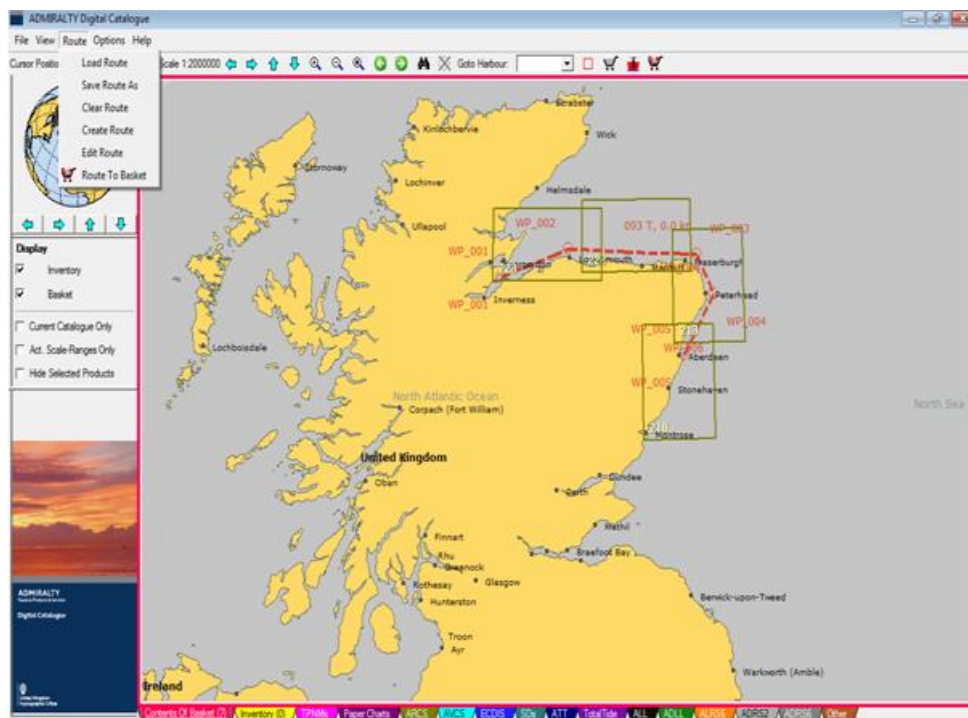


Figure 41 - Display of the Contents of Inventory which contains products from the ARCS catalogue (shown by olive outline).

Right clicking on the *Chart Display* opens the *Products Found In* dialogue box showing all products of the selected catalogue that are found at the clicked position.

T&P NMs

T&P NMs contain information that is sufficiently significant to need to be communicated to the mariner but which is either too transient (e.g. works in this area for 8 weeks) for a standard NM or needs communicating too quickly to have completed the appropriate NM action (e.g. a new port operation that will require a New Edition to depict it properly).

T&P NM information is currently provided with reference to specific paper chart products however the information contained is relevant to the user of any chart products in the area covered.

The *TPNMs* tab displays the limits of all affected charts.

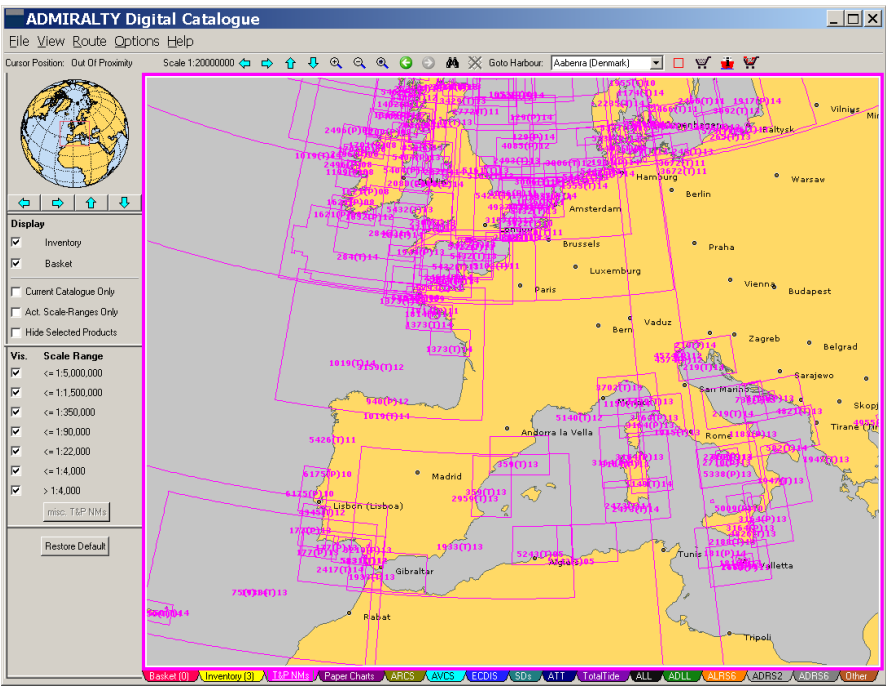


Figure 42 - Display of the T&P NMs tab

T&P NMs that are not associated with a specific chart can be displayed by selecting the *misc T&P NMs* button. To select T&P NMs associated with a specific chart right click on the appropriate chart and a list of associated T&P NMs will be displayed.

Products Found In "TPNMs" (T&P NMs)					
Product Type	Product	Title	Highlight	View	Charts Affected
T&P NM	5432 (T)/2013	ENGLAND - Eastern Approaches to the Solent - Nab Tower - Light	Highlight	View	2 - 2037 - 2045 - 2450 - 2656 - 2675 - 4140
T&P NM	284 (T)/2014	CELTIC SEA - Nympe Bank SE and Cockburn Bank SE - Scientific instruments - Buoyage	Highlight	View	1123 - 1178 - 2649
T&P NM	1019 (T)/2014	IRELAND - Porcupine Seabight N - Data collection buoy	Highlight	View	2 - 4011 - 4014 - 4102
T&P NM	4085 (P)/2012	NORTH SEA - TSS Off Botney Ground - Western Mud Hole Northwards - Submarine pipeline	Highlight	View	1187 - 1423 - 1632 - 2182A - 2182B - 4140
T&P NM	5383 (T)/2010	FRANCE - Boulogne-Sur-Mer South-westwards - Radar beacon	Highlight	View	2451 - 2675
T&P NM	5102 (T)/2011	FRANCE - Dieppe Northwards - Buoy - Automatic Identification System - Restricted area	Highlight	View	2148 - 2451 - 2675
T&P NM	1934	FRANCE - Raie de Saint-Brieuc - Approaches to Saint-Malo - Measuring	Highlight	View	2028 - 2029 - 2648 -

Figure 43 – List of T&P NMs available

To view the contents of the T&P NM select *View* or *View All*.

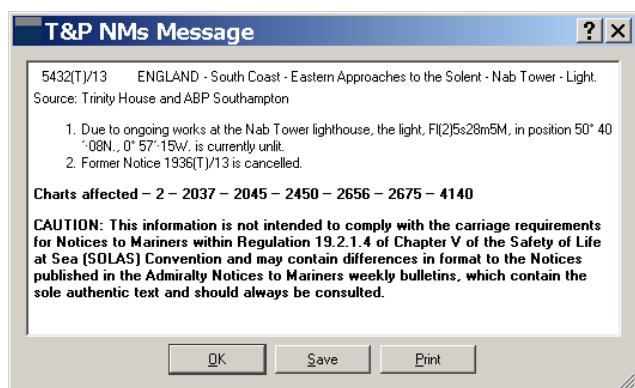


Figure 44 – T&P NMs window

From this window it is possible to either save the T&P NM as an html file or to print the contents of the T&P NM file. When the *TPNMs* tab has been selected, the *Search* window is replaced to allow T&P NMs to be selected by number, text, title, date or chart number.

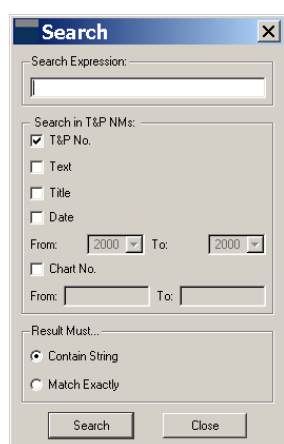


Figure 45 – T&P NMs Search window

Other Products

The *Other* tab includes the Admiralty range of Thematic Charts and Miscellaneous Publications. These products do not benefit by being displayed graphically on the Chart Display and so are presented as categorised lists within a new plain window that replaces the *Chart Display*. They are selected from a drop-down list at the top of the window.

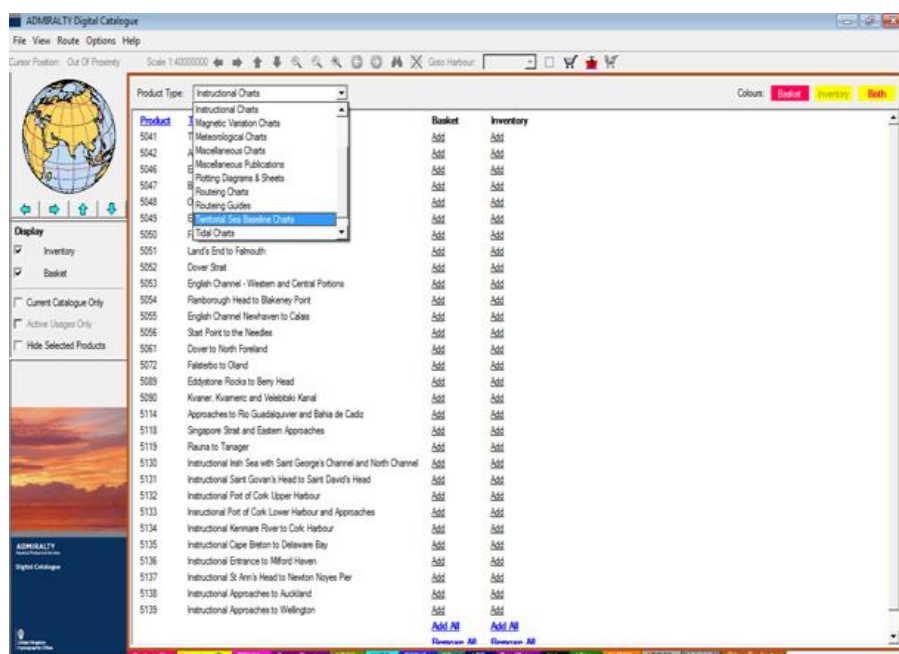


Figure 46 - The Other Products Window (Thematic Charts and Miscellaneous Publications)

The Tab Bar

The *Tab Bar* at the bottom of the *Admiralty Digital Catalogue* user interface is used to control the contents of the *Chart Display*. It consists of a series of coloured tabs.



Figure 47 - The Tab Bar

The current set of tabs (left to right):

Basket	Contents of Basket
Inventory	Contents of Inventory
TPNMs	T&P NM information
Paper Charts	British Admiralty Paper Chart Service (SNCs)
ARCS	Admiralty Raster Charts (ARCS)
AVCS	Admiralty Vector Chart Service (ENCs and AVCs)
ECDIS	ECDIS Service
SDs	Admiralty Sailing Directions (Pilots)
ATT	Admiralty Tide Tables
TotalTide	Admiralty TotalTide
ALL	Admiralty List of Lights
ADLL	Admiralty Digital List of Lights
ALRS	Admiralty List of Radio Signals (ALRS)
ADRS2	Admiralty Digital Radio Signals Vol. 2
ADRS6	Admiralty Digital Radio Signals Vol. 6
Other	Other Products (Thematic Charts and Miscellaneous Publications)

The Context Menus

A context menu is available in the *Tab Bar*. It is opened by right clicking the respective tab and allows the deletion of a single catalogue. To reinstall that catalogue it must be downloaded again or installed from disk, similar to updating a catalogue (see **Catalogue oben**).



Figure 48 - Context Menu on Tab Bar: Delete Catalogue

Whenever you right click on the *Admiralty Digital Catalogue* user interface (apart from the *Chart Display* and the attached *Tab Bar*) a second *Context Menu* opens.

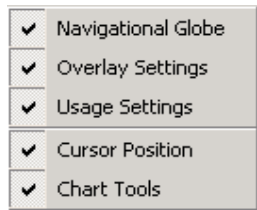


Figure 49 - Context Menu on User Interface

Selecting or deselecting any of these entries will display or hide the respective feature. See **Tool Windows oben** for detailed explanations of the single entries.

Note: The item Usage Settings is not available when Basket, Inventory and single usage products are selected / displayed, e.g. SDs.

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6. Glossary

Basket / Shopping Basket	Dialogue to manage the products to be ordered (see Basket) <hr/> <p>Contains the products which have been collected in the <i>Shopping Basket</i> and saved with <i>File</i> → <i>Save Basket</i>. The file is named <i>order_vesselname_YYYYMMDD.txt</i>. The contents of the basket file can be shown in <i>Admiralty Digital Catalogue</i> with <i>File</i> → <i>Load Basket...</i> and, if loaded, clicking on the <i>Basket</i> tab (see chapters Save Basket..., Load Basket... and The Tab Bar). The basket file is a tab separated file with the following columns:</p> <ol style="list-style-type: none">1. Product Type2. Product Number
Basket File	<hr/>
Catalogue	Collection of products of certain type (e.g. ENC's, ARCS, BA paper charts, List of Lights), shown on the <i>Chart Display</i> (see The Tab Bar) <hr/>
Inventory Dialogue	Dialogue to manage the products which are already on board (see Basket) <hr/> <p>Contains the products of the <i>Inventory</i> which have been saved with <i>File</i> → <i>Save Inventory....</i> The file is named <i>inventory_vesselname_YYYYMMDD.txt</i>. The contents of the inventory file can be shown in <i>Admiralty Digital Catalogue</i> with <i>File</i> → <i>Load Inventory...</i> and, if loaded, clicking on the inventory tab (see Save Inventory..., Load Inventory... and The Tab Bar) The inventory file is a tab separated file with the following columns:</p> <ol style="list-style-type: none">1. Product Type2. Product Number
Inventory File	<hr/>

7. Trouble Shooting

Frequently Asked Questions

How do I order chart units?

There are two ways to collect the appropriate charts and products:

1. Based on a defined route:
 - Create or import your route
 - Select the appropriate catalogue(s) and click *Route to Basket* from the *Navigation Bar*. All products, from the currently selected catalogue tab, crossed by the route are transferred to the *Shopping Basket*.
 - Any product which is not required can be removed in the *Basket* dialogue.
2. Manual selection of products
 - Select the appropriate catalogue(s)
 - Open the *Products Found In* dialogue by right clicking on the required products or by using the *Search* function. Use the *Add/Remove* functions in the *Products Found In* dialogue.

The contents of the *Shopping Basket* are shown in the *Basket* catalogue (select *Basket* from the *Tab Bar*). Once all required products from the different catalogues are in the *Shopping Basket* you can save a basket file. The file is named: order__YYYYMMDD.txt or order_vesselname_YYYYMMDD.txt if the *Ship Registration Dialogue* has been completed.

The basket file can then be sent/mailed to a distributor.

How do I maintain the inventory?

Once you have received the products from your distributor the list of charts and products must be transferred to the *Inventory*. Since the basket file contains exactly this information it is recommended that you:

- reload the basket file into the *Shopping Basket*
- open the *Basket* dialogue
- transfer the products to the *Inventory* using the transfer arrows between the *Basket* and *Inventory* section.
- save the products in the *Inventory* as an inventory file.
- If additional products are required the inventory file can be re-loaded in order to compare the stock of products with a new selection. The missing products can then be ordered.

The unit numbers shown in the chart display are illegible?

This is a problem with the "cleartype" engine of windows. Please set your windows display options from 'cleartype' to 'standard'. This can be found in *Control Panel* → *Display* → *Appearance* → *Effects* → *Checkbox "use the following method to smooth edges of screen fonts:"* → select: *standard*.

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