SIMRAD

MARIS Bridge Assistant
Quick Reference Card

EN

Introduction

MARIS Bridge Assistant (MBA) is a software used to create and manage routes, and obtain a customized ENC dataset and permit on-board. The Customized data set ensures ENC loading time into the ECDIS is kept to a minimum. The communication is done via internet, MBA as an email client, or as an email attachment. It also allows for semi automation of Voyage Plan creation, Weather forecast, Paper chart updating, and more.

→ ***Note:*** We recommend you run MBA as administrator. Right-click the MBA icon and select **Run as administrator.**

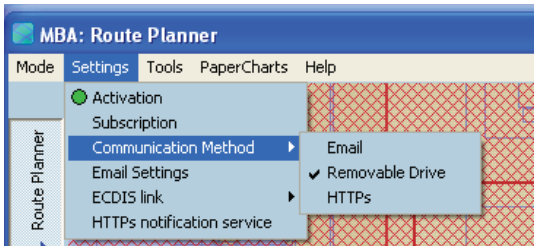
MBA Activation

After installation or software updates, activate your MBA.

1. Contact your distributor to get your MBA username and password. Note your username and password here for safe keeping

Username:	Password:

2. Select **Settings** and then **Communication method** to set correct communication method.



a. Ensure your email/file limit is minimum 2 MB.

b. If no internet connection, select **Removable drive**. Refer to ***"Using the Removable drive (no direct connection) communication method" on page 6.***

c. If using MBA as an email client, contact your IT department for email credentials

d. If using the HTTP communication method, ensure that the web address is not blocked.

3. Select **Settings** and then **Activation** and login using your username and password.

MBA daily workflow overview

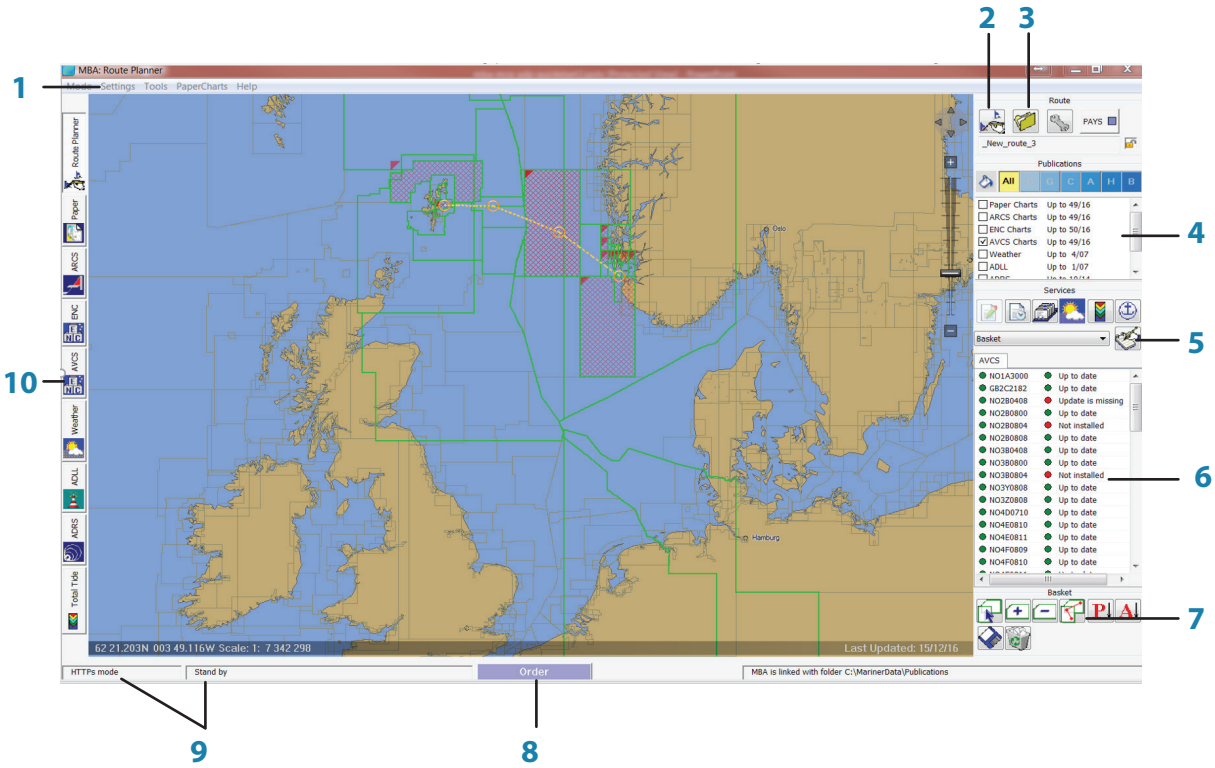
1. Create or load route
2. Select product to be managed
3. Use option to select products for the route
4. Order new permits and updates
5. Confirm order/ENC to be updated and send the order
6. If order approval required, management to login to http://chartservice.maris.no and approve order
7. Receive and export the ENC dataset
8. If AVCS ENCs are used, after 5 min you need to select **Check my status** and request a new PERMIT.txt
9. Save route/ENC list as **Working Folio**
10. Check status of ordered updates on the left product tab (eg. AVCS; PaperChart and so on)

Outside MBA (on ECDIS)

11. Validate that the folders are according to IHO S63.
12. Import PERMIT.txt and ENC data to the ECDIS.

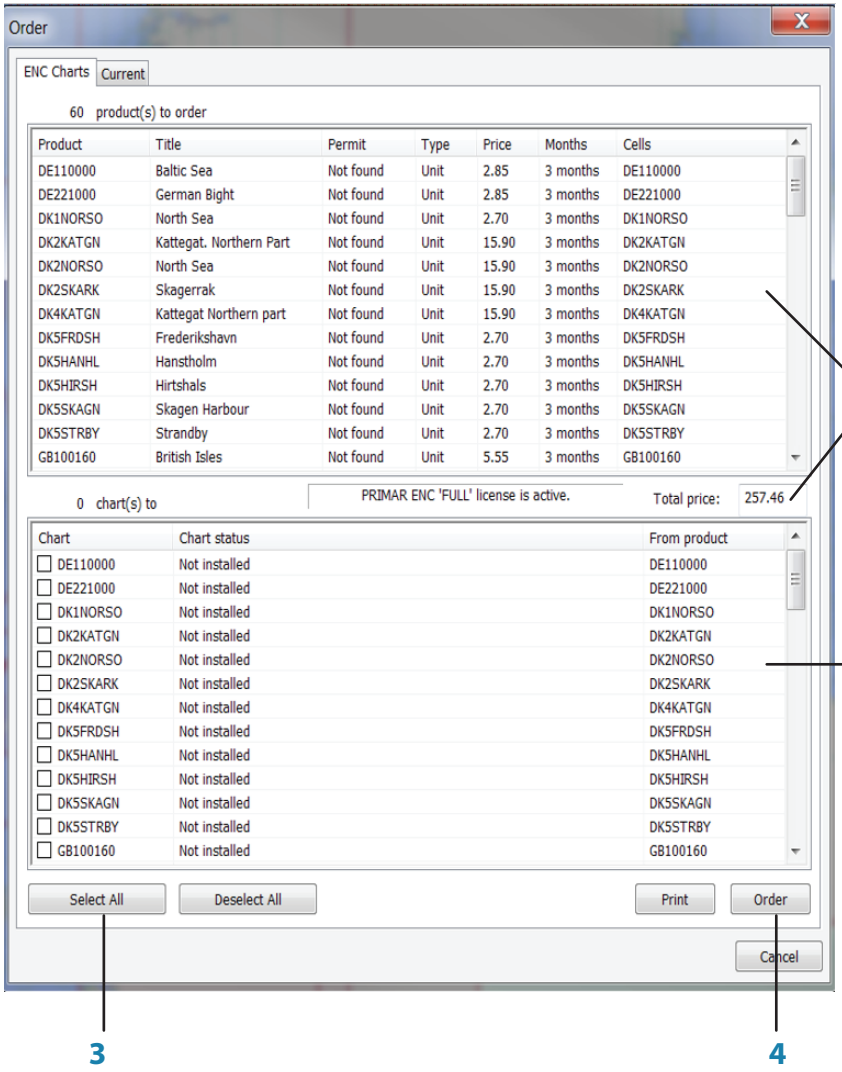
→ ***Note:*** In accordance with IHO S63, the PERMIT.txt must be loaded on the ECDIS before the ENC database can be loaded.

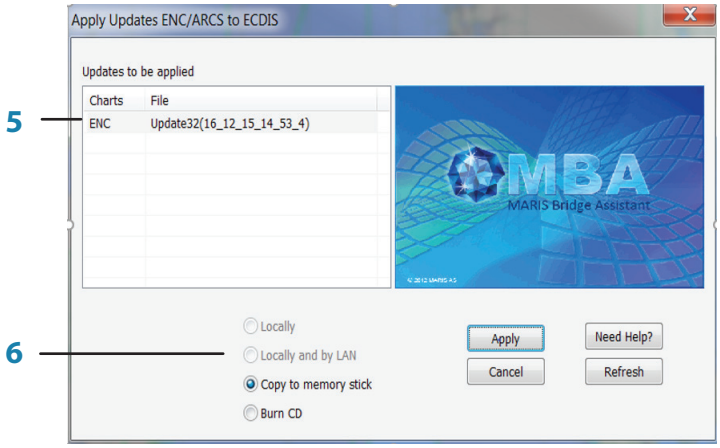
Route Planner panel

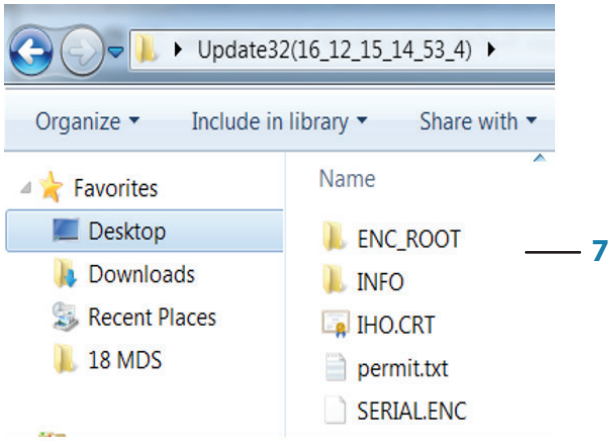


NO	Description
1	**Settings/Tools** ***Settings***: Activate the software, set Communication method, and link to MARIS ECDIS. Username and Password is received from chartservice@maris.no ***Tools***: Import MDSreply.mds or weekly update files, check status and logs.
2	**New route**: Left-click on map to add route waypoints, double-click last waypoint to end route. Right-click on leg for route alternatives. Right-click on waypoint to edit or delete it.
3	**Open route**: Need to select which format to import from: MARIS, Sperry, MaxSea, CMAP, Transas, Telko, Furuno, Kongsberg, Kelvin Hughes or NEW ECDIS EXCHANGE format.
4	**Product selection**: For example: AVCS, ENC (PRIMAR), etc.
5	**Basket/Holding and report**: Toggle between basket and standing/working folio, and report generation.
6	**ENC status**: **First ball: PERMIT status**: Red = No permit. Yellow = Expire soon. Green = Permit ok. **Second ball: ENC data status**: *Not installed* = no ENC Data on MBA computer, ***Update missing*** = weekly update available on the server, or *Up-to-date* = no action needed.
7	**Products and their status for the route**: Get a list of Products and their status for the route.
8	**Order**: Send order for new permits and ENC/Weather Updates.
9	**Status bar**: Communication method used and status of the communication.
10	**Product Tab**: See detailed update status of different products.

Order and Export Dialogs



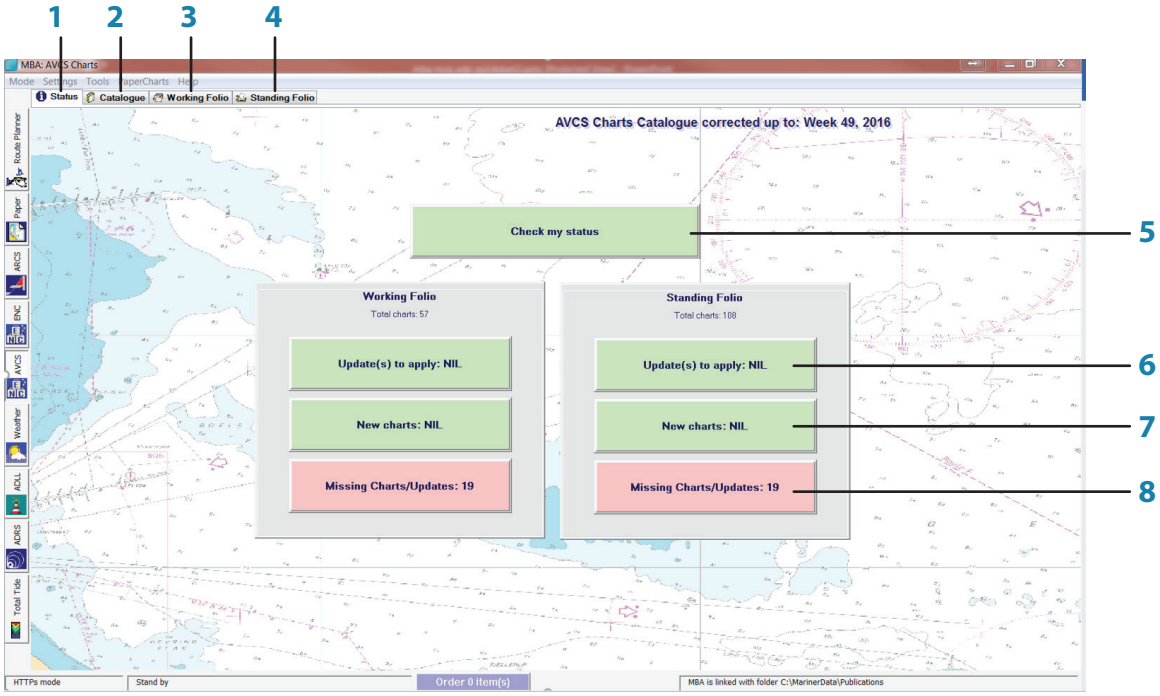




NO	Description
1	**Permits to order and Cost of them.**
2	**Updates or ENC data to order:** Missing updates or ENC data to be downloaded.
3	**Select all items.**
4	**Send the order.**
5	**Updates dialog:** Updates to be exported.
6	**Export options: LAN (MARIS), Removable drive or CD.**
7	**Expected Folder structure:** MBA creates the IHO S63 ENC folder structure.

Product Status Window

We recommend that the active route is saved as Working Folio in the Route Planner section, limiting download and processing time to keep the ENC updated.

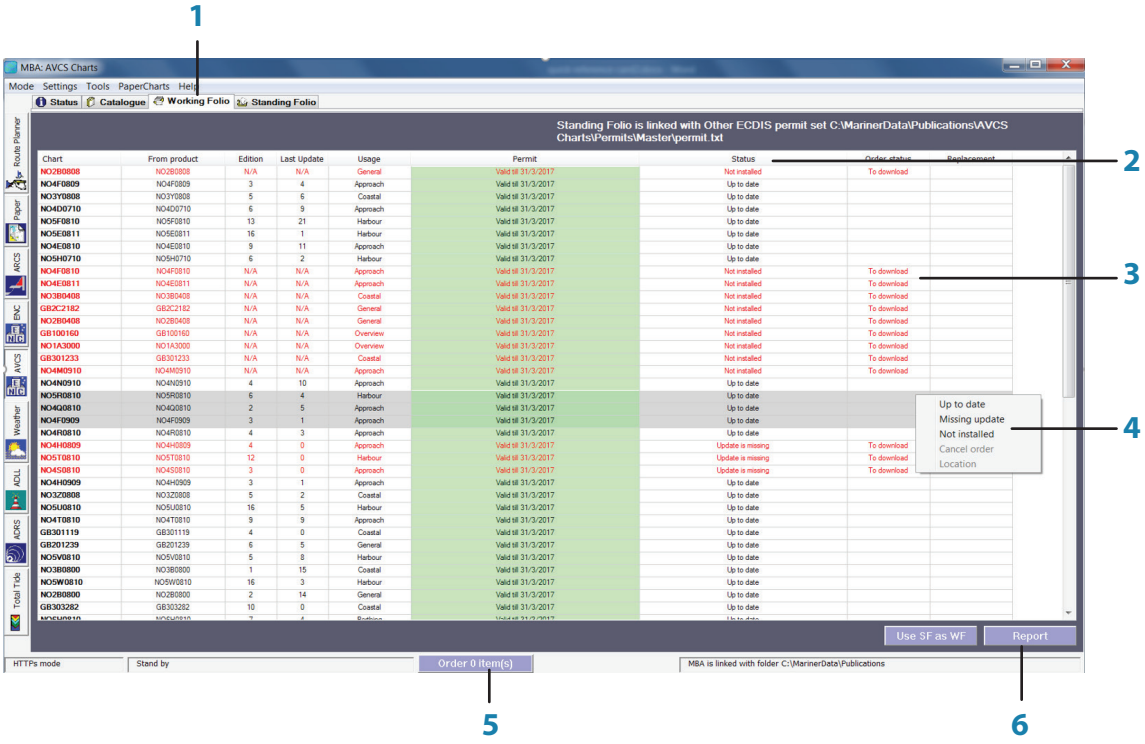


NO	Description
1	**Status Tab**: Displays the status for the Working Folio and Standing Folio tabs.
2	**Catalog Tab**: Displays a list of all available products (eg. ENC/AVCS) available.
3	**Working Folio Tab**: Displays a list and status of products for the "active route".
4	**Standing Folio Tab**: Displays a list and status for all products licensed/onboard.
5	**Check my Status**: Checks if there are new permits or data available on the Server.
6	**Updates to apply**: Opens the Export Update Dialog, allowing to export data (eg. ENC data) that has been downloaded but not yet exported (eg. to memory stick or by LAN to the ECDIS.
7	**New Charts**: Geo-references new charts/ENC and displays where they apply.
8	**Missing Charts/Updates**: Sends a request for missing ENC/AVCS or Paper chart Notice to Mariners (NtM), Permits or updates.

Product Status list (Working and Standing folio)

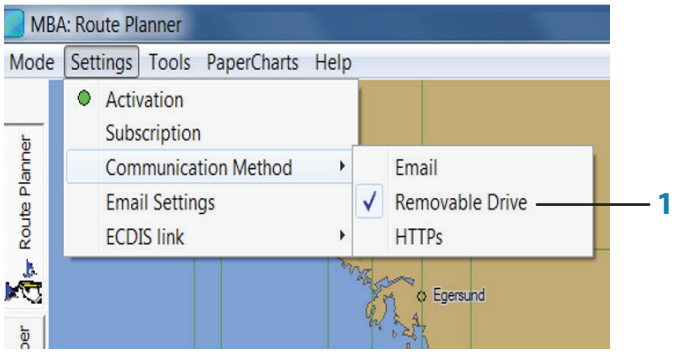
You can change status if new ENC or updates are needed by selecting an item, right-clicking it and selecting **Update missing** (if only base ENC cell) or **Not installed** (new ENC required). You can also see where the ENC is located by selecting **Location**, or select **Up to date** to tell MBA that the ENC is up-to-date.

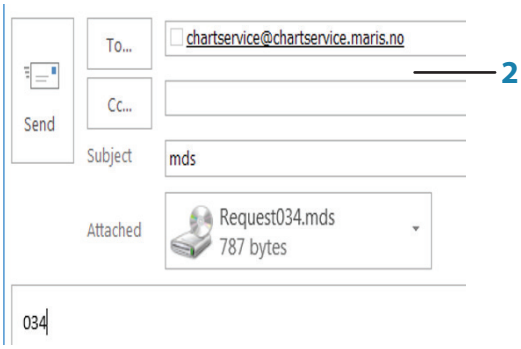
Multiple selection can be done by pressing Ctrl+Shift and selecting top and bottom of the list.

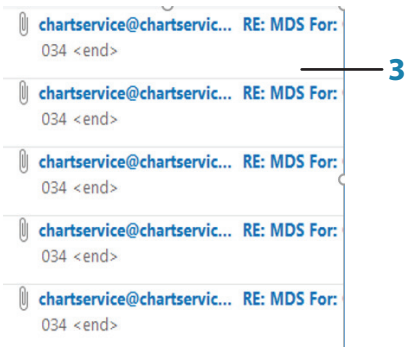


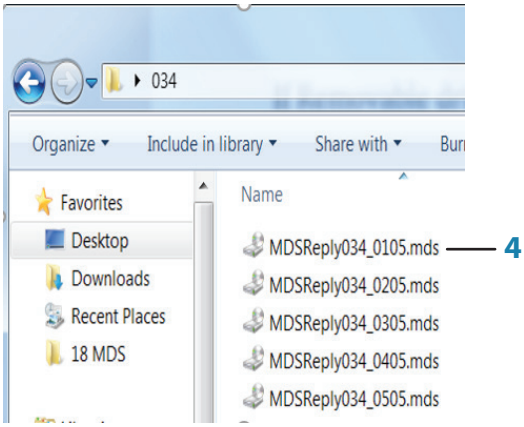
NO	Description
1	**List type tab**: Select which list to review and manage.
2	**Status**: *Update missing* = weekly update not downloaded, ***Not Installed*** = ENC core data has not been downloaded.
3	**Header:** Click on a column header to sort by it.
4	**Right Click**: (Multi-select by pressing Ctrl+Shift) Options to set correct status for ENC are: • Up to date = ENC actually updated. MBA will not request for updates. • Updates missing = MBA will download the weekly update. • Not installed = MBA will download the whole ENC and available update. • Cancel order = Cancel download request • Location = Review where the ENC is located
5	**Order**: Sends an order to download missing ENC and updates.
6	**Report**: Creates a report of ENC status to be sent eg. PSC.

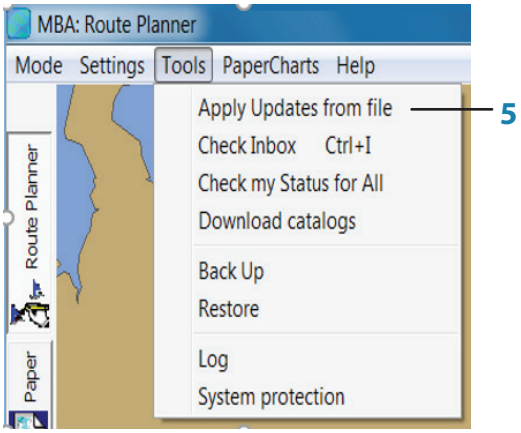
Using the Removable drive (no direct connection) communication method











NO	Description
1	**Communication method**: Set to **Removable drive** if no HTTP or email connection on MBA computer.
2	**Email template**: Replace 034 with YOUR request number.
3	**Received replies (number depends on number of ENC/size)**: Save to a folder.
4	**Reply files saved to a folder that MBA can read (eg. Called MBA034)**.
5	**Apply update from file**: MBA will read in the required files once one is selected.

PAYS (FixedPrice) Option in MBA

For vessel setup with PAYS (PAY-AS-YOU-SAIL) or FIXEDPRICE Service, procedure to get ENC data and updates will be different than above.

PAYS/FixedPrice option will contain a Global Permit file allowing all ENC to be opened for planning. (except India, Singapore, Hong Kong and Japan which need to be ordered separately in MBA).

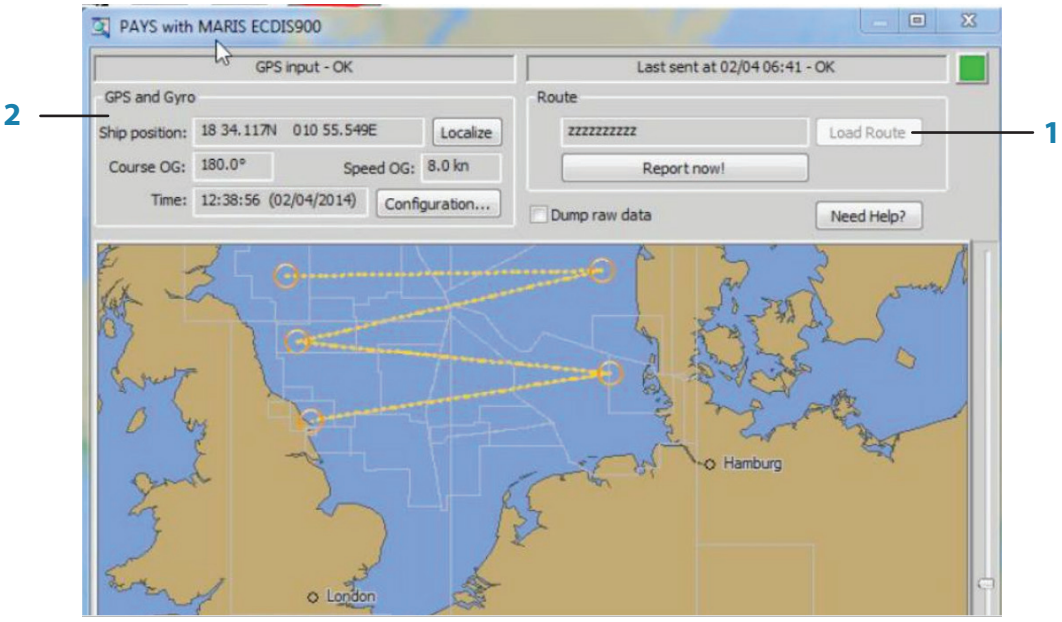
Once the PAYS option is confirmed, you need to re-activate MBA, ref. above.

Daily process is to create a route in MBA route planner, or load an external route, ref. above. Then you will open the PAYS option, and load the active route. This will send a request to download missing ENC data and updates for this route, which can be exported to the ECDI per standard procedure.

The product tab with status can be used to send requests for the PAYS **Working Folio** as needed.

It is NOT required to have a GPS/NMEA input, but it is recommended if possible.





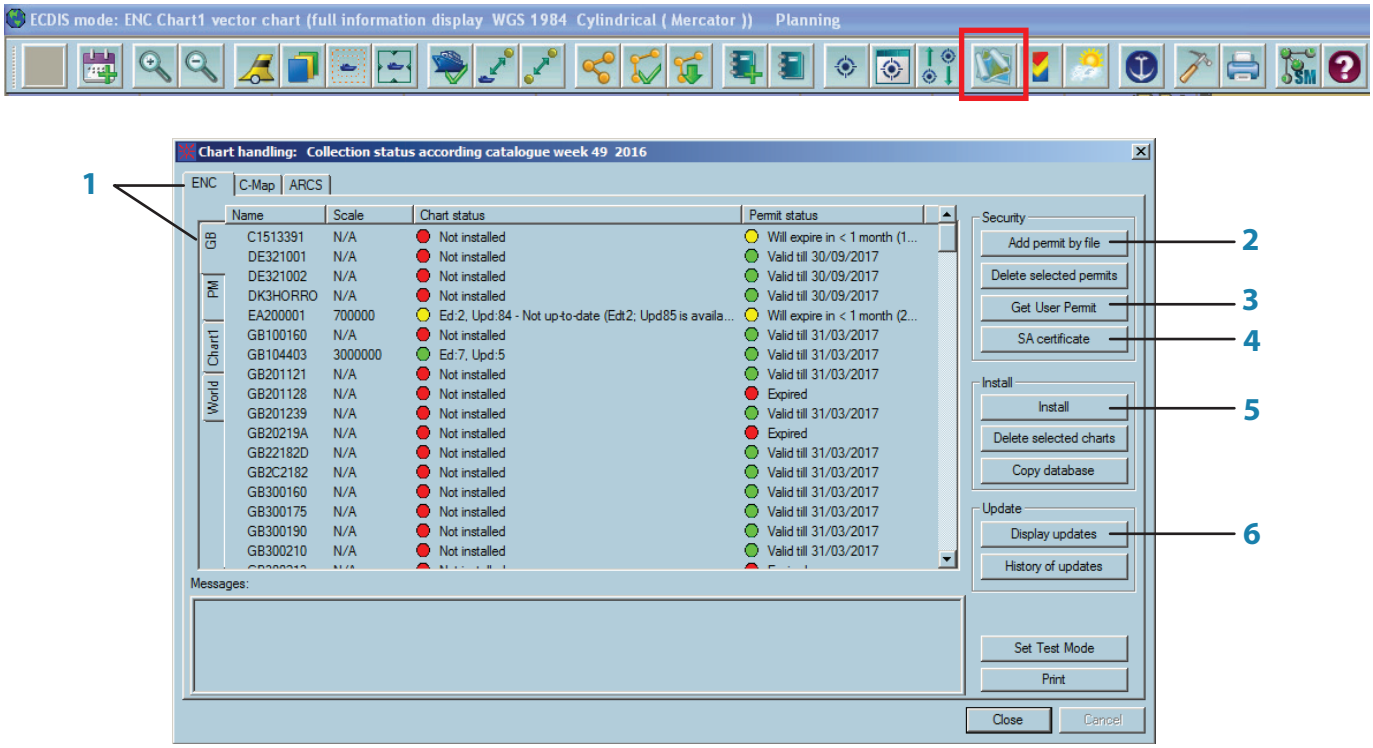
NO	Description
1	**Load route**: Load the active route that has been made in MBA or ECDIS. This will send a request to download missing ENC data. This will also set the route as **Working Folio** in MBA. The "Products tab" on left side of MBA can be used for regular updates.
2	**GPS input**: NOT required, but recommended as this will send valuable information that is compared to the external tracking source used for position reports.

MARIS ECDIS 900 Chart handling

For the MARIS ECDIS E900, the **Chart Management** icon is found in the top tool bar.

For AVCS/PRIMAR (ENC), the Permit is installed first, then the actual ENC Data (ENC_Root folder). We recommend to only install the ENC data needed for the voyage (MBA has the option to download and create a limited ENC database).

For CMAP, the World Wide database is installed first, and afterwards only a new permit file (Password.usr) is required. No need for additional ENC installations, except the weekly update files.



NO	Description
1	**Select ENC/Chart type**: ENC: GB=AVCS S63, PM=PRIMAR. CMAP CM93 SENC: AVCS in SENC (CAES), C-MAP ENC or Professional+
2	**Add Permit by File**: Installation of PERMIT.TXT if not synchronized with MBA.
3	**Get User Permit**: Get the ECDIS Identification needed by the ENC Distributor.
4	**SA Certificate**: Review or install latest IHO certificate (in received MBA update folder named IHO.crt).
5	**Install**: Install ENC data after applying the PERMIT.txt.
6	**Display Updates**: Geographically display ENC updates in effect.

For more details, refer to operator manuals.

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