

Paramount Nautical Ships Inventory Control System

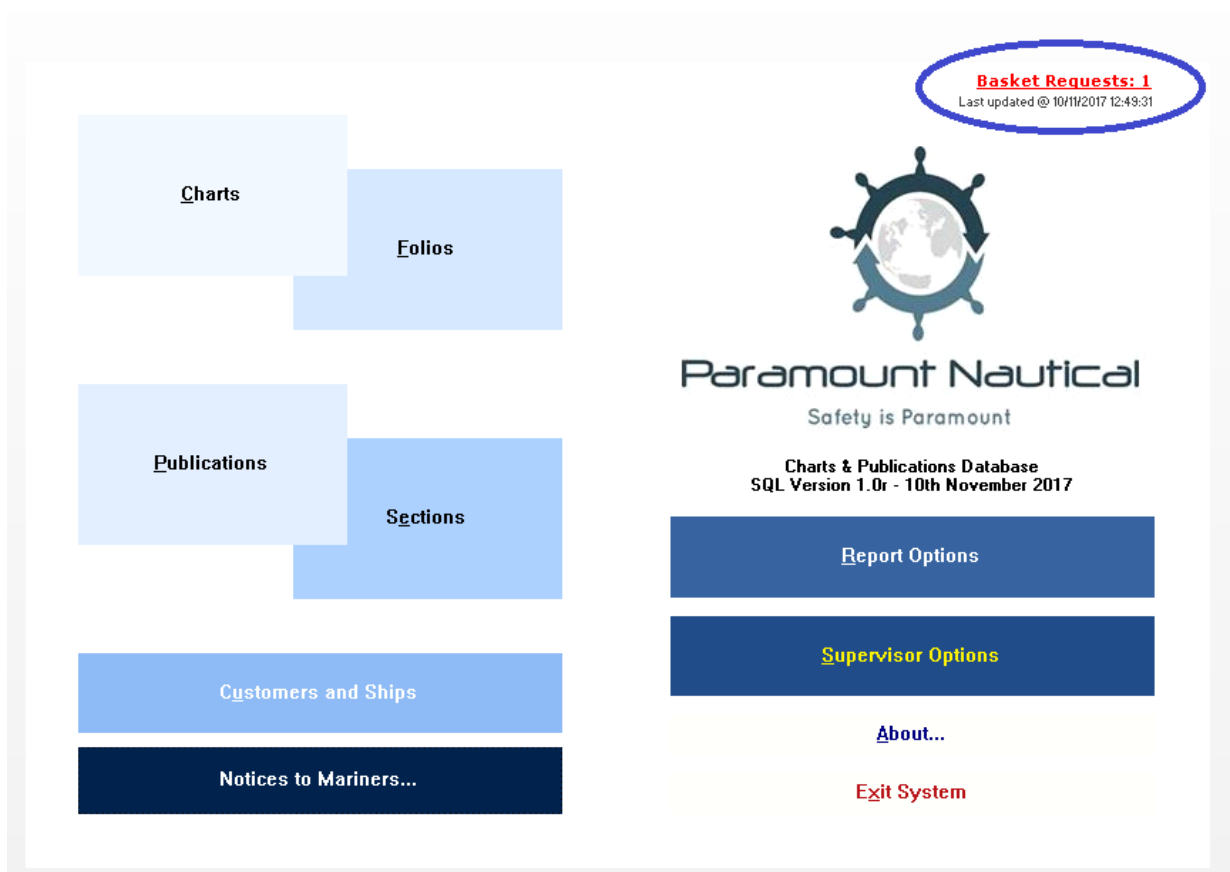
The Paramount Ships Inventory Control System is a Database and Reporting tool specifically designed for the Chart Distribution Industry. It fully integrates with the Paramount Shipping Agents Sales and Purchase Ordering system and has its own dedicated on-line Ships Portal called *Bridge Express*.

System Architecture:

The system is based on the Microsoft SQL Server engine platform (using relational database model), offering an elegant and flexible, yet robust solution. It is split into two parts: the "back-end" datasource, which contains the data itself, and the "front-end" user-interface, which contains the forms (screens), reports, etc., together with the functionality required to process the data.

System Features:

The system defines seven major features, as shown on the Main Menu below:



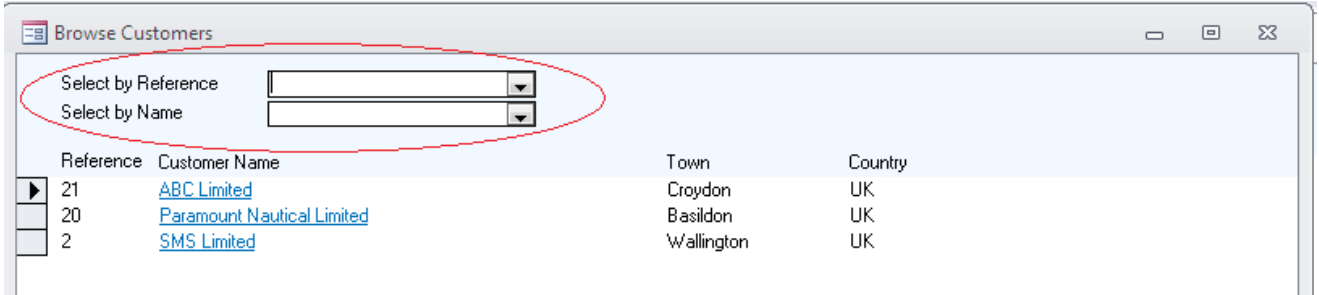
The system offers a wide range of "browse" forms, for viewing data, "input" forms, for entering and editing data, and reports for previewing and/or printing information from various perspectives.

The **Basket Notification** indicates if any ship has submitted any new chart or publication requests via the *Bridge Express* on-line portal.

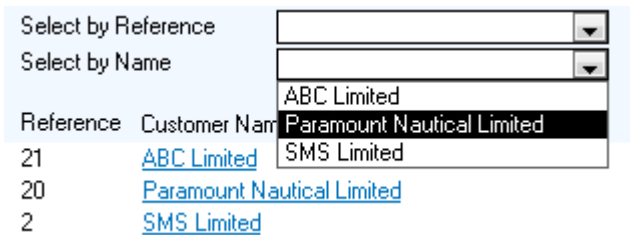
Forms are arranged so that required information can be located logically and quickly.

For example, you may wish to know which Folios are carried by a particular Ship that belongs to a Customer. One way to achieve this is by selecting **Customers and Ships** from the main menu.

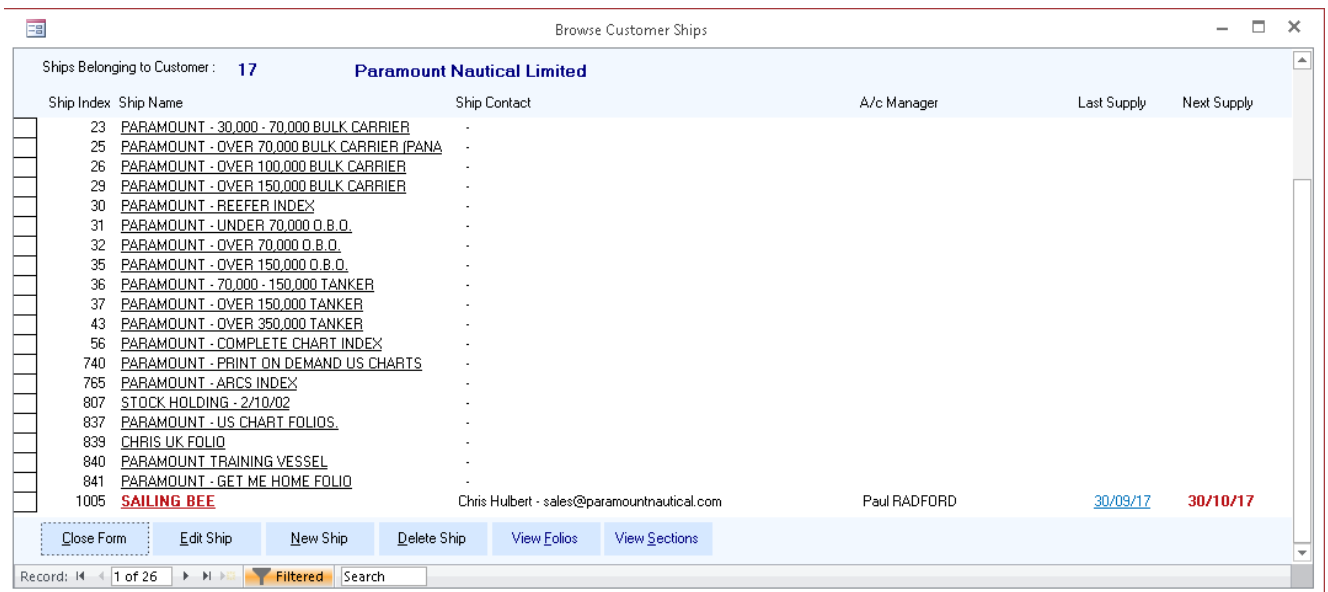
This will display the **Browse Customers** form, which contains a list of all the Customers that have been entered onto the system:



You can quickly locate a customer record by selecting their name from the drop-down list on the top of the form:



Selecting a Customer from the list and clicking on the **Customer Ships** button will display the **Browse Customer Ships** form:



This displays a list of all the Ships that belong to the selected Customer; selecting a Ship from the list and clicking on the **View Folios** button will display the **Customer Ship Folio Details** for; clicking the Ship Name will display the full ship record including the Chart and Publication inventory that are carried on-board:

The screenshot shows the 'Customer Ship Details' window for the ship 'SAILING BEE' under 'Paramount Nautical Limited'. The window contains various input fields for ship information, a list of linked folios, and a list of linked sections. An illustration of the ship is shown on the right side of the window.

Customer Ship Details

Customer Ref: 17 Paramount Nautical Limited

Ship Index: 1005 (Ship Index defaults to next available sequential number)

Ship Name: SAILING BEE

Ship IMO #: []

Ship Flag: []

Ship Type: []

Ship Email: sales@paramountnautical.com

Ship Contact: Chris Hulbert

A/c Manager: Paul RADFORD

Ships Folders: C:\SMSApps\Ships\SAILING_BEE_INDEX_1005

Supply Frequency (days): 30

Ship Status: Active

SMS Logon: SAILINGBEE

SMS Password: []

SMS Status: Active

SMS Activated: 09/05/2017

SMS Terminated: []

Image File: C:\SMSApps\Ships\SAILING_BEE_INDEX_1005\Image_Ship_Index_1005_123133.jpg

Folios linked to this ship:

Folio	Category	Passive	Date	Active	Replaced	Withdrawn
1	BA CHARTS - Misc 1	<input type="checkbox"/>		19		
2	BA CHARTS - Misc 2	<input type="checkbox"/>		13		
3	BA CHARTS - Misc 3	<input type="checkbox"/>		16		
4	BA CHARTS - Misc 4	<input type="checkbox"/>		16	1	

Sections linked to this ship:

Section	Category	Passive	Date	Active	Replaced	Withdrawn
6	ADDITIONAL PUBLICATION	<input type="checkbox"/>		35		
7	HYDROGRAPHIC PUBLICATION	<input type="checkbox"/>		13		
8	MISCELLANEOUS PUBLICATION	<input type="checkbox"/>		35		

Buttons: Close Form, Delete Ship, Undo Changes, New Ship, Save Ship

Clicking a folio Category will displays the list of charts attached to that folio:

The screenshot shows the 'Folio Details' window for the ship 'SAILING BEE'. It displays the selected folio category and a list of charts attached to that folio. The window includes a search bar and navigation buttons.

Folio Details

Ship: SAILING BEE

Folio: 1

Category: BA CHARTS - Misc 1

Passive: Passive Date: []

Passive History: []

This Folio contains the following Charts (Use this Screen to Add Charts to the Folio):

Position	Chart	Chart Title	Prefix	Suffix	Qty	Supply	VWD Flag	VWD Date
1	1138	Jersey - East Coast			1	On-Board	N	
2	39	Gulf of Kachchh to Sonmiani Bay			1	On-Board	N	
3	1349	Ports in the Baie de Seine			1	On-Board	N	
4	1439	Sicilia to Nisos Kriti			1	On-Board	N	
5	1442	Venezia and Chioggia			1	On-Board	N	
6	1557	Zhuhai Gang Gaolan Ganggu			1	On-Board	N	
7	1648	Kishika Saki to Shiono Misaki			1	On-Board	N	
8	2437	Ras Tart to Oran			1	On-Board	N	
9	2733	Dyrholaey to Snaefellsjokull			1	On-Board	N	
10	2955	Akureyri			1	On-Board	N	
11	2990	Le Havre and Entrance to Chenal de Rouen			1	On-Board	N	
12	3135	Nouakchott to Bissau and Arquipelago De Cabo Verde			1	On-Board	N	
13	3237	Amami - O Shima to Kagoshima Wan			1	On-Board	N	
14	3345	Chenal du Four			1	On-Board	N	
15	3390	Gwangyang Hang			1	On-Board	N	
17	8063	Port Approach Guide Nakhodka and Vostochnyy Port			1	On-Board	N	
18	8085	Port Approach Guide Goteborg			1	On-Board	N	
19	8086	Port Approach Guide Approaches To Goteborg			1	On-Board	N	

Record: 1 of 19

Buttons: Close Form, New Folio, Save Folio, Undo Changes, Delete Folio, Build Folio, Supply Date

Charts can be added to a new or existing folio by clicking the **Build Folio** button:

The user can use the filter options to display available charts by one of the following options:

Select type:

Filter by:

Search text:

Select Products to add:-

- Basket
- Prefix
- Passive
- Reference
- Suffix
- Title

The user can enter any text in the Search text box and the result is displayed below:

Search text:

Select Products to add:-

Product Code	Title	Edition	Received
341	Macao to Hong Kong	10/09/2015	01/01/2017
937	Eastern Approaches to Hong Kong	10/09/2015	01/01/2017
1555	Dafangji Dao to Hong Kong	21/04/2011	01/01/2017
1962	Hong Kong to Shantou	13/12/2012	01/01/2017
3026	Outer Approaches to Hong Kong	04/02/2016	01/01/2017
3488	Song Sai Gon to Hong Kong	14/02/2013	01/01/2017
3489	Manila to Hong Kong	22/08/2013	01/01/2017

The user can highlight the charts they want to add to the following, before clicking the Add button to confirm their selection:

Build Folio or Section

Select type:

Filter by:

Search text:

Select Products to add:-

Product Code	Title	Edition	Received	Selected
341	Macao to Hong Kong	10/09/2015	01/01/2017	
937	Eastern Approaches to Hong Kong	10/09/2015	01/01/2017	
1555	Dafangji Dao to Hong Kong	21/04/2011	01/01/2017	<input checked="" type="checkbox"/>
1962	Hong Kong to Shantou	13/12/2012	01/01/2017	
3026	Outer Approaches to Hong Kong	04/02/2016	01/01/2017	<input checked="" type="checkbox"/>
3488	Song Sai Gon to Hong Kong	14/02/2013	01/01/2017	<input checked="" type="checkbox"/>
3489	Manila to Hong Kong	22/08/2013	01/01/2017	

Confirm Selection

Add selected products to Folio / Section

Yes No

Close

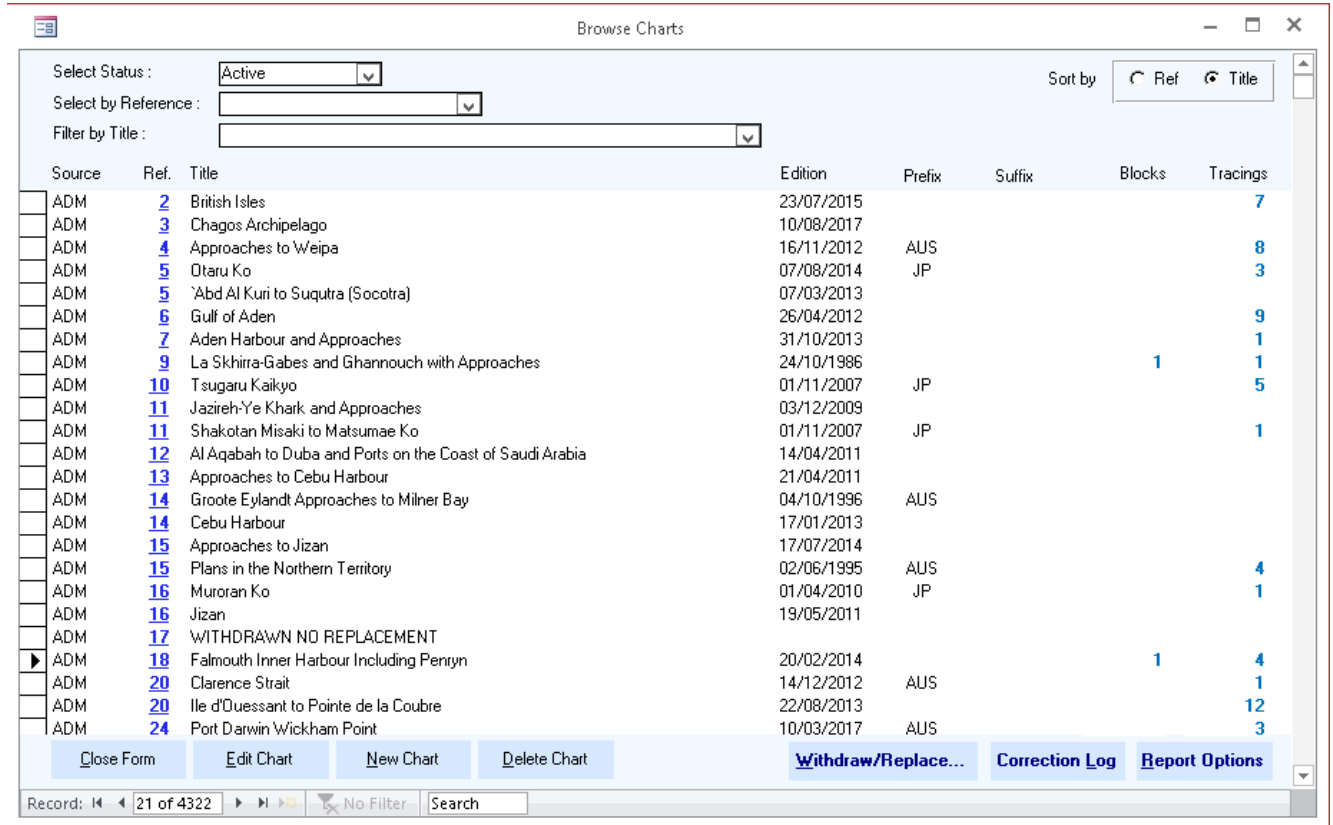
Add

Maintaining **Publication Sections** for ships operates exactly the same way.

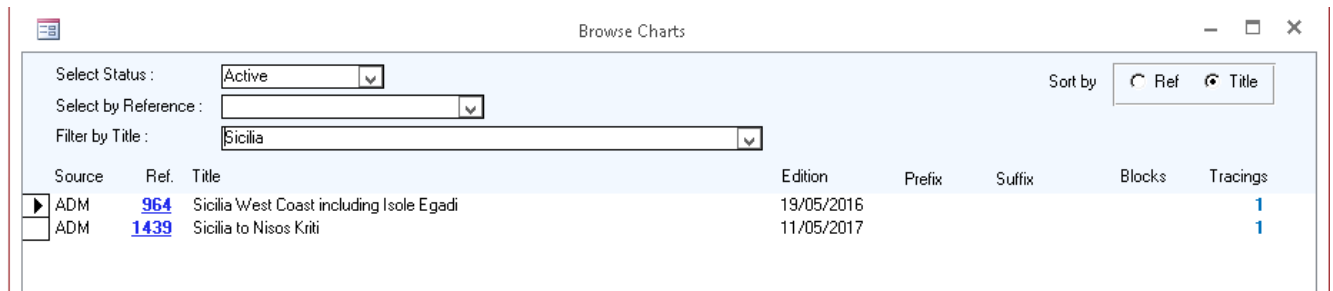
Building your Charts and Publications Library:

The system enables the user to maintain their own Library of approved charts and publications.

From the Main Menu, click the Charts button to open the Charts Browser form:



Again, the user has the option to sort and filter the browser by either chart status, reference or full or partial chart name:



The chart index record is laid out as follows:

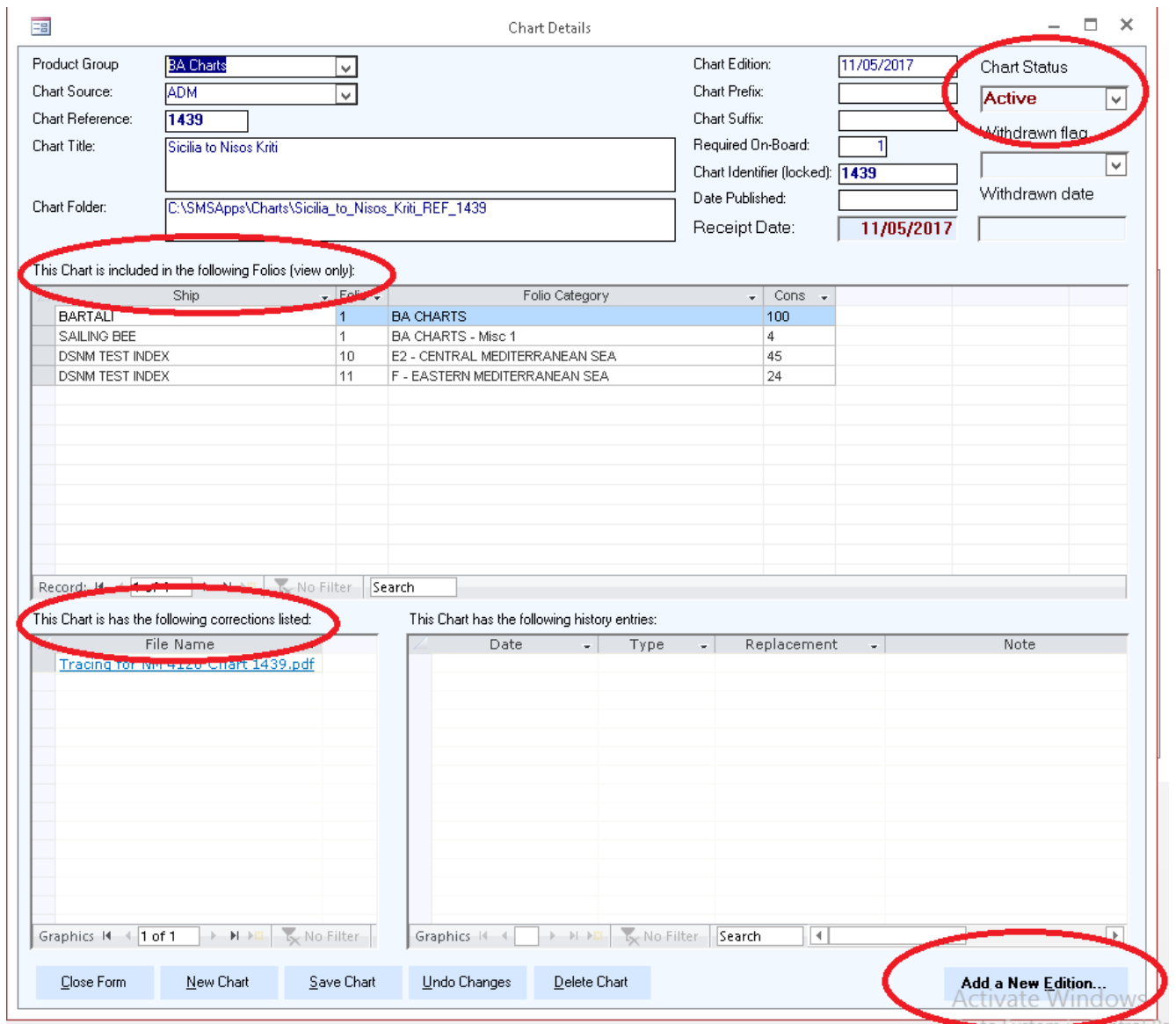


Chart corrections are automatically appended to a chart during the automated Notices to Mariners download routine. A correction can be viewed from the chart record by clicking the link to the PDF file; new editions of a chart can be generated from the chart record, keeping an audit trail of a charts history. Once a new edition becomes Active, any historic correction files are "hidden" from view.

New chart editions are automatically flagged against a ship's folio, making it easy to raise a sales order for any ship requiring the new chart edition.

The Publications Library is structured in a near identical format with the same functionality.

Maintaining Notices to Mariners:

Weekly Notices to Mariners can be downloaded onto your server and any associated chart corrections are automatically identified and attached to a client’s ships’ folio.

Name of Notice	Date	Blocks	Graphics	Status
Notices to Mariners - Week 46/2017	09/11/2017	26	191	Published
Notices to Mariners - Week 45/2017	09/11/2017	41	222	Published
Notices to Mariners - Week 44/2017	02/11/2017	35	195	Published
Notices to Mariners - Week 43/2017	26/10/2017	25	224	Published
Notices to Mariners - Week 42/2017	19/10/2017	38	260	Published
Notices to Mariners - Week 41/2017	12/10/2017	36	226	Published
Notices to Mariners - Week 40/2017	05/10/2017	39	172	Published
Notices to Mariners - Week 39/2017	28/09/2017	40	194	Published
Notices to Mariners - Week 38/2017	21/09/2017	31	218	Published
Notices to Mariners - Week 37/2017	14/09/2017	19	285	Published
Notices to Mariners - Week 36/2017	07/09/2017	28	165	Published
Notices to Mariners - Week 35/2017	31/08/2017	37	371	Published
Notices to Mariners - Week 34/2017	24/07/2017	34	280	Published
Notices to Mariners - Week 33/2017	17/08/2017	41	264	Published
Notices to Mariners - Week 32/2017	10/08/2017	35	192	Published
Notices to Mariners - Week 31/2017	03/08/2017	32	204	Published
Notices to Mariners - Week 30/2017	27/07/2017	30	170	Published
Notices to Mariners - Week 29/2017	20/07/2017	41	207	Published
Notices to Mariners - Week 28/2017	13/07/2017	36	186	Published
Notices to Mariners - Week 27/2017	10/07/2017	58	150	Published
Notices to Mariners - Week 26/2017	03/07/2017	105	224	Published
Notices to Mariners - Week 25/2017	22/06/2017	23	191	Published
Notices to Mariners - Week 24/2017	15/06/2017	29	185	Published
Notices to Mariners - Week 23/2017	08/06/2017	28	126	Published
Notices to Mariners - Week 22/2017	01/06/2017	37	183	Published
Notices to Mariners - Week 21/2017	25/05/2017	26	203	Published
Notices to Mariners - Week 20/2017	18/05/2017	21	285	Published
Notices to Mariners - Week 19/2017	11/05/2017	27	168	Published
Notices to Mariners - Week 18/2017	04/05/2017	27	195	Published
Notices to Mariners - Week 17/2017	27/04/2017	27	116	Published

Notices can be added quickly to the system by specifying the week number and the location of the main Notice file:

Notice to Mariners

Please enter Notice Week No:

OK Cancel

ek 17/2017 27/04/2017 27

Edit Notice **New Notice** Delete Notice

Once the new Notice has been identified, any related blocks or tracing files will be extracted and linked to the internal chart record:

Notice Details

Notice Name:

Download Date: Week No: Month No: Year:

File Name:

Tracings File:

File Location:

File Date: File Size (KBs):

Website URL:

Status: Published Date Published:

Blocks... Tracings... Ships...

File Name	Date Downloaded	Size (KBs)	Product Ref	File Status
Tracing for NM 5337 Chart JP142.pdf	03/11/2017 10:50:14	12276	JP142	Active
Tracing for NM 5338 Chart JP1220.pdf	03/11/2017 10:50:16	12247	JP1220	Active
Tracing for NM 5338 Chart JP151.pdf	03/11/2017 10:50:16	12528	JP151	Active
Tracing for NM 5345 Chart 1644.pdf	03/11/2017 10:48:48	12270	1644	Active
Tracing for NM 5347 Chart 2843 2.pdf	03/11/2017 10:48:00	12207	2843	Active
Tracing for NM 5347 Chart 2843.pdf	03/11/2017 10:47:58	12228	2843	Active
Tracing for NM 5348 Chart 1305.pdf	03/11/2017 10:49:44	12226	1305	Active
Tracing for NM 5348 Chart 1759.pdf	03/11/2017 10:49:46	12322	1759	Active
Tracing for NM 5349 Chart 1531 2.pdf	03/11/2017 10:48:50	13010	1531	Active
Tracing for NM 5349 Chart 1531.pdf	03/11/2017 10:48:48	12340	1531	Active
Tracing for NM 5350 Chart 566.pdf	03/11/2017 10:51:36	12508	566	Active
Tracing for NM 5351 Chart 2844.pdf	03/11/2017 10:48:02	12758	2844	Active
Tracing for NM 5353 Chart 3811.pdf	03/11/2017 10:50:26	12263	3811	Active
Tracing for NM 5353 Chart 4470.pdf	03/11/2017 10:50:28	12466	4470	Active
Tracing for NM 5353 Chart 928.pdf	03/11/2017 10:50:24	12453	928	Active

Graphics | 1 of 191 | No Filter | Search

Close Form New.. Save.. Undo.. Delete.. Search Files... Publish...

Any ships affected by the corrections are automatically identified and can be notified immediately of any changes required to their own internal folios:

Blocks... Tracings... Ships...

Name of Ship	Ship Owner / Agent
SAILING BEE	Paramount Nautical Limited
SMS Voyager 1	SMS Agents Ltd
SMS Voyager 2	SMS Agents Ltd

Intuitive User Interface:

Because the system is built on the Microsoft Office platform, it employs standard graphics and functions, resulting in an environment that will appear intuitive to anyone familiar with other Microsoft products, such as MS Word or MS Excel.

Navigation couldn't be easier, with logical links between forms, while the flexibility of non-modal form control (minimise, maximise, sizing, etc.) allows for more than one part of the system to be worked on at the same time.

The forms themselves are carefully presented to show all the necessary information, without appearing cluttered. A range of Selection and Sorting options allow information to be found with a minimum of effort.

Streamlined User Input:

Data input has been kept to a minimum. All fields and buttons can be accessed with keystrokes as well as with a mouse.

In order to reduce the need for retyping large amounts of data, the content of Folios and Publications can be copied (using the "duplication" function) and then edited. For example, a standard set of Folio definitions can be created, and used as templates when creating new Folios for individual customer ships.

Reporting Options:

A full range of reports and indexes are available for printing, previewing or exporting (into a range of formats for transmission by diskette, E-Mail, over the Internet, etc.). Report titles are user definable. In addition, a range of drop-down list boxes are available for easy criteria selection. These allow for reports to be filtered to show only data within specified ranges. At present, the following types of reports and criteria are available as standard: -

The screenshot shows a window titled "Reports Menu" with a search criteria section on the left and a report options section on the right. The search criteria section includes fields for Customer, Ship, Folio (with Start and End at values), Section (with Start and End at values), Chart Ref., Publication, Date, Receipt Date, and Supply Date, each with a "To:" field. The report options section lists various reports and indexes.

Search Criteria :	
Customer:	<input type="text"/>
Ship:	<input type="text"/>
Folio:	Start at: <input type="text" value="0"/> End at: <input type="text" value="99999"/>
Section:	Start at: <input type="text" value="0"/> End at: <input type="text" value="99999"/>
Chart Ref.:	<input type="text"/>
Publication:	<input type="text"/>
Date:	<input type="text" value="01/01/1900"/> To: <input type="text" value="17/03/2017"/>
Receipt Date:	<input type="text" value="01/01/1900"/> To: <input type="text" value="17/03/2017"/>
Supply Date:	<input type="text" value="01/01/1900"/> To: <input type="text" value="17/03/2017"/>

Report Options

- Charts Index
- Ships Numerical Chart Listing
- Chart Corrections List
- Chart Corrections Log
- Folios Index - Sort by Consecutive
- Folios Index - Sort by Chart
- Publications Database
- Publications by Customer Ship
- Publications Index
- New Supply - Charts by Ship
- New Supply - Publications by Ship
- Advance Orders - Charts
- Advance Orders - Publications

Buttons: Close Form, Reset

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