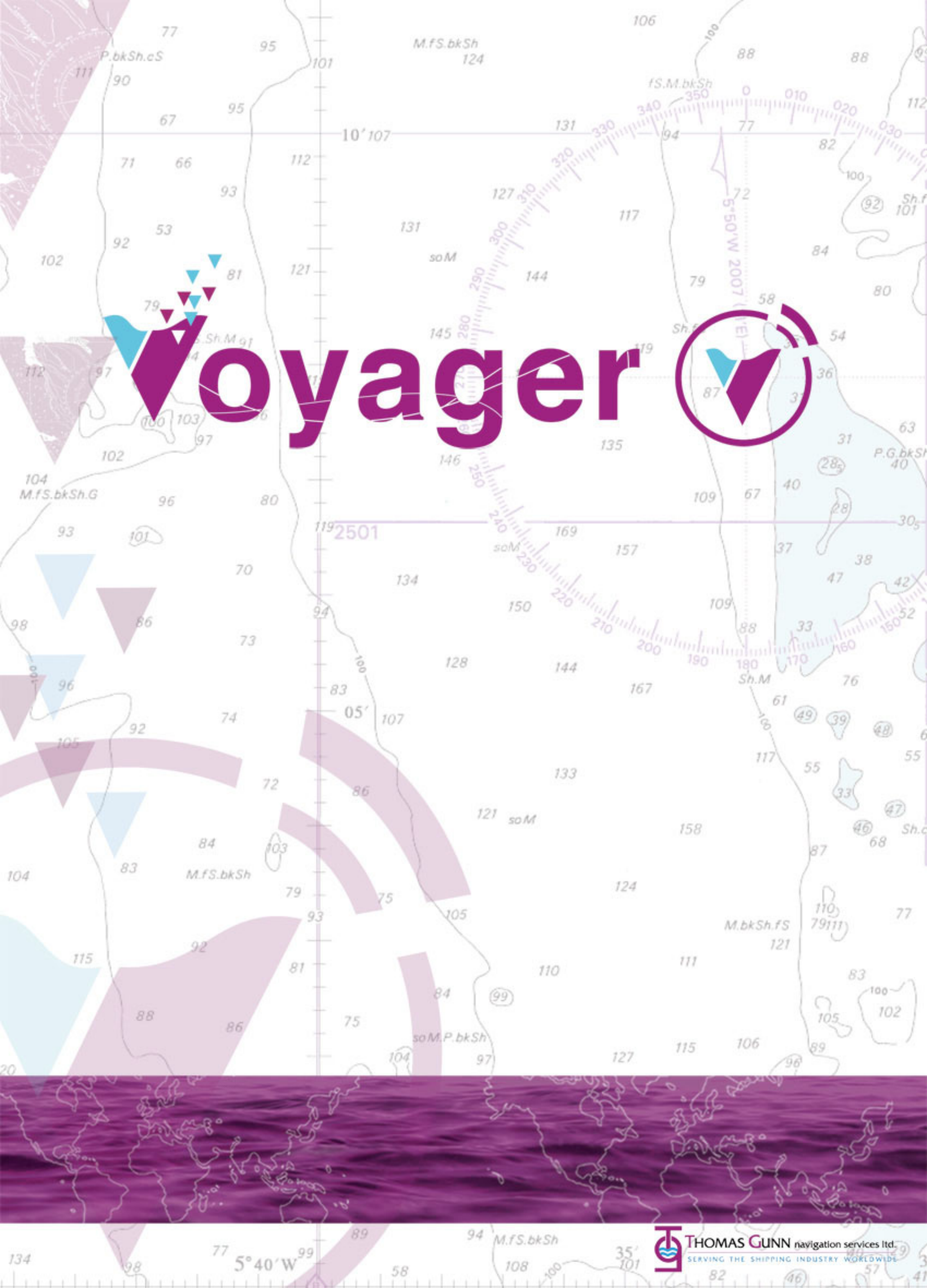


Voyager





Introduction

Voyager is a fully automated onboard chart management system that provides the mariner with a personalised database of charts, publications and Notices To Mariners (NTM's) organised in a convenient folio system.

The Voyager service provides weekly updates to the ships index and Notices To Mariners (NTM's) and Tracings via Internet or E-mail communication. The Voyager service incorporates advanced "state of the art" file compression technology achieving 60% file size reduction, making it the most technically advanced digital NTM service available. The vessel only receives Tracings relevant to its chart outfit, further reducing the file sizes and keeping communication costs to a minimum.

The Voyager database is designed to work in a disconnected environment, which means that the data required by the mariner is stored locally. The locally stored data can be periodically updated from the dedicated Voyager Web server via Internet or email communication.

Fully automated chart management system

The Voyager database is synchronised with our centralised Voyager data Web server. When a chart is added to the ships folio, Voyager will automatically start to receive corrections for that chart in the next update. The full database search functionality allows you to search the whole database and the Tree-View navigation control simplifies the users browsing experience.

Vessel specific index data

Voyager includes a personalised chart and publication database organised in a convenient folio system. You can access the properties of each chart to view all NTM's, Tracings and blocks applicable to that chart which can then be printed off as and when required.

Correction log audit trail

Voyager is a fully functional correction log auditing system. Voyager produces a summary of your index specific weekly corrections and highlights any outstanding corrections to apply. When the corrections have been applied in the Voyager database the correction log is updated and saved automatically.

Vessel specific Notices to Mariners

NTM's are filtered by Year, Week and Folio and the properties of each NTM provides a link to the applicable Tracing or Block and can be printed off as and when required. You can also preview and print all index specific chart corrections, tracings and blocks for the selected week at the click of a button. Voyager also provides Index specific Temporary & Preliminary notices which can be filtered by folio.

Fully integrated reporting system

Detailed Index and correction list reports are available from the 'Reports' menu. Each report can be printed off or exported to PDF, Excel or Word by clicking on the 'Export' button.

Year	Week	Total	Total xOs	Total Core	Status
2008	3	122	38	38	Complete
2008	4	312	46	46	Complete
2008	5	279	32	32	Complete
2008	6	282	47	47	Complete
2008	7	305	37	37	Complete
2008	1	143	20	20	Complete
2008	2	143	18	18	Complete
2008	8	279	104	104	Complete
2008	9	279	37	37	Complete
2008	10	284	41	41	Complete
2008	11	245	21	21	Complete
2008	12	274	64	64	Complete
2008	13	261	36	0	Incomplete
2008	14	292	27	0	Incomplete
2008	15	280	46	0	Incomplete

Done	ChartNo	ChartTitle	NTMYear	NTMWeek	NTMNumber	NTMTitle	Le
<input type="checkbox"/>	2249		2008	15	1869		148
<input type="checkbox"/>	2250		2008	15	1869	(P)	0
<input type="checkbox"/>	2250		2008	15	1869		13
<input type="checkbox"/>	3082		2008	15	1862	(T)	0
<input type="checkbox"/>	1422		2008	15	1838		128
<input type="checkbox"/>	1423		2008	15	1838		159
<input type="checkbox"/>	1423		2008	15	1838		110

Folio	NM 1839 /08	NC/NE	Chart No
Previous Update	1838 /08	NOV. 06	1423



Complete UKHO Notice to Mariners Sections I to VI

NTM Section II - Voyager includes a full catalogue of Admiralty Notices to mariners and the chart corrections are filtered by Year and Week. The properties of each NTM gives access to the NTM text data applicable to the selected chart and if the chart is contained within your personalised chart index you can access the applicable Tracings or Blocks. The web service allows you to download Tracings and Blocks on demand.

NTM Sections I - VI includes all publication corrections for Sailing directions, List of Lights and Fog Signals and Radio Signals filtered by Year and Week. The selected NTM section is displayed in the integrated PDF viewer and can be printed off as and when required.

Catalogue

Full paper chart and publication catalogue. The catalogue is synchronised with the dedicated Voyager web server and updated via the web or email service. You can access the properties of any chart in the catalogue to access all applicable corrections and if the chart is contained within your personalised chart index you can access the applicable Tracings or Blocks.

Database Backup and Restore

The Voyager software includes full backup and restore functionality. The database can be completely backed up to a folder, removable disk or CD and then restored in the event of a system failure. Voyager can also be installed on a second computer, which can be used as a Backup system.

Communication

The Voyager service doesn't require any additional communication equipment thereby eliminating any hardware, installation and ongoing maintenance costs. All that's required is a Windows PC, colour inkjet printer and Internet or E-mail access. The Voyager software is installed on a Windows PC and can be updated using the following update methods.

Web Service

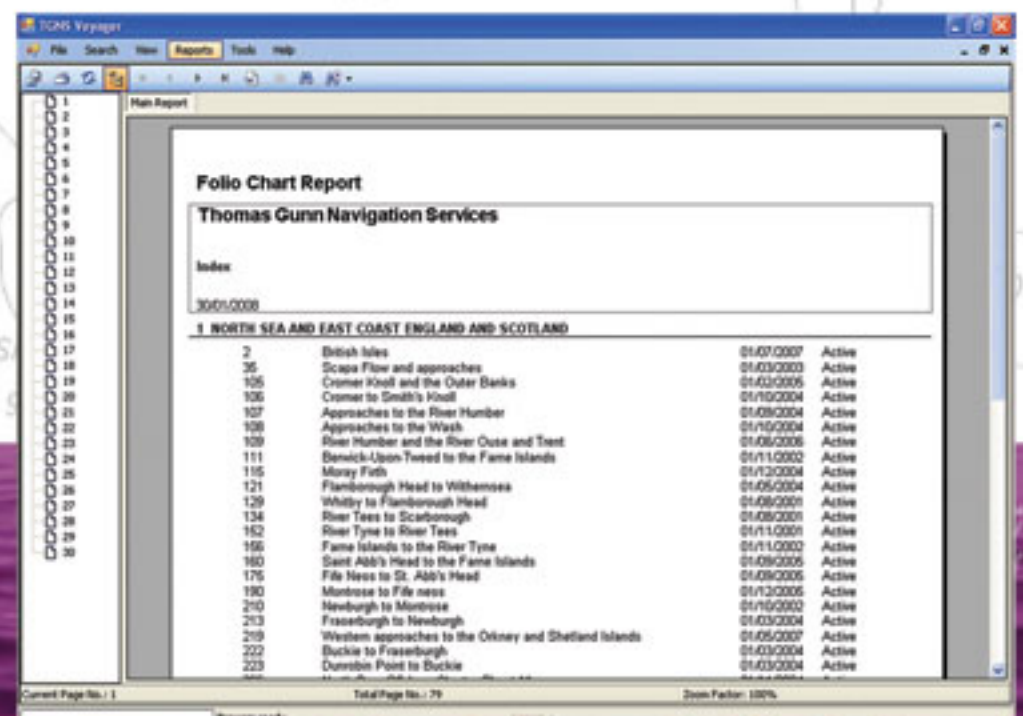
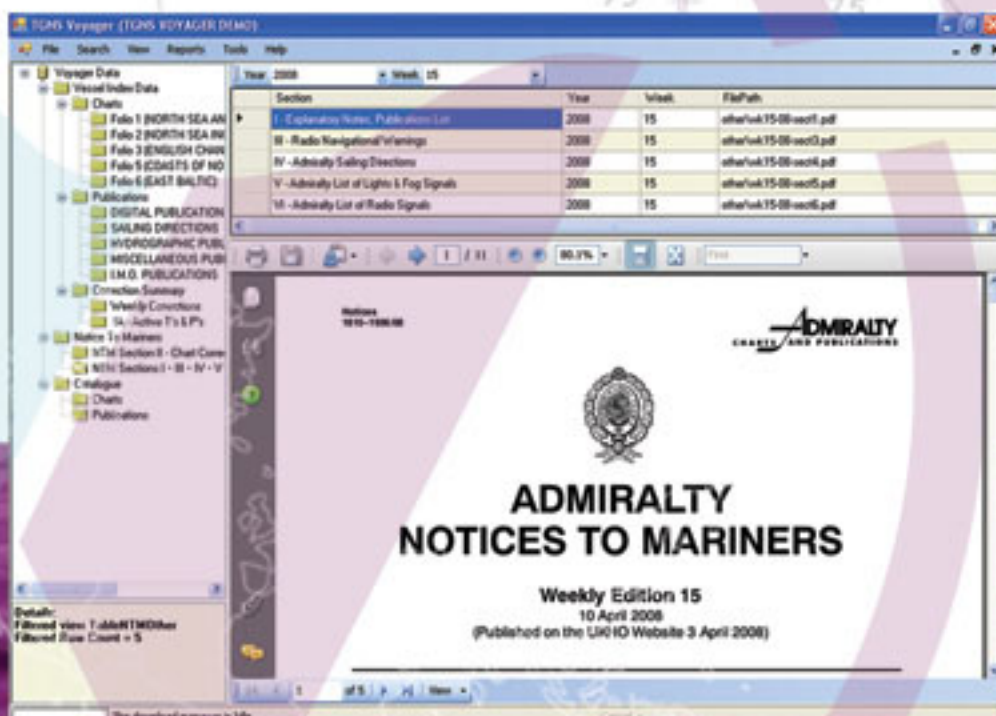
The Web Service requires an Internet connection as the software connects directly to our dedicated Voyager web server database to synchronise the data and download any outstanding update files. The Web Service is by far the most intelligent and efficient way to update Voyager.

E-mail service

The E-mail service doesn't require any complex pre-configuration as the updates can be sent to any email address. The updates are rolled up and split into pre-set file sizes then sent to the ships current email address. The crew then simply save the attachments and import the updates to Voyager from a folder, removable flash drive or CD.

Additional Modules

We are continuing to develop the Voyager service to incorporate further modules.





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Voyager Features

- Digital Notices to Mariners and Tracings system
- Advanced file compression technology achieving 60% file reduction.
- Fully automated chart management system
- Correction log audit trail
- Full paper chart and publication catalogue
- Complete UKHO NTM Sections I to VI
- NP247 BA Annual NTM's & NP234 Cumulative List of BA NTM's
- Vessel specific chart corrections, tracings & blocks
- Vessel specific T's & P's
- Full database search & reporting functionality
- Internet or Email communication
- No special equipment required
- Complies with Admiralty UKHO requirements
- UK MCA approved service

The screenshots show the Voyager software interface. The top window displays a file tree with categories like 'Charts', 'Publications', and 'Notice To Mariners'. Below it is a table listing NTM's with columns for Year, Week, File Path, and other details. A second window shows a detailed view of an Admiralty Notice to Mariners, including the Admiralty logo and the text 'ADMIRALTY NOTICES TO MARINERS Weekly Edition 15 10 April 2008'. A third window shows a tracing for a specific chart, with a table of data and a map view.

RECOMMENDED REQUIREMENTS
 Windows 2000 or XP Service Pack 2
 Processor 1 GHz
 512 MB memory
 500 MB free disk
 Internet or E-mail access for updating
 Colour Printer