



TRANSAS ADMIRALTY DATA SERVICE

• Official SENC and ENC with Digital Notices to Mariners • Additional Services • Admiralty Digital Publications



TRANSAS ADMIRALTY DATA SERVICE

TRANSAS ADMIRALTY DATA SERVICE – MORE THAN JUST ELECTRONIC CHARTS

Transas Admiralty Data Service (TADS) delivers official chart data and information directly to your ECDIS, helping you prepare for ECDIS Carriage Requirements and paperless navigation.

Whether you're a Transas ECDIS user or operate another brand of ECDIS, TADS delivers fully official and global chart coverage formatted in SENC or standard ENC format to suit your needs.

Developed directly for Ship Owners and Managers, Captains, Navigators, Crew, Marine Superintendents and shore-based staff, TADS uses only official chart data along with a range of carefully selected additional data services.

Service, support and consultancy services are all available to help you optimise your navigational needs onboard.



CHOOSE TADS TO ENJOY THE FOLLOWING SERVICES:

Transas SENC service	Official Electronic Navigational Chart (ENC) data converted and ready for use in your Transas ECDIS, saving you time and increasing efficiency (Transas ECDIS Users Only)
AVCS (ENCs for Non-Transas ECDIS users)	Official ENC data in standard format available to customers who do not operate a Transas ECDIS but would like to the benefits of the TADS service
Admiralty Digital Publications	Admiralty List of Lights, Admiralty Radio Signals Vol.6 and TotalTide information direct to your ECDIS (and also available for general use onboard)
SPOS® Weather Service	Courtesy of Meteo Consult, SPOS® is the ideal onboard weather data tool increasing both safety, efficiency and accuracy onboard. The Meteo Consult weather forecast can be loaded to Transas Navi-Planner and displayed over ENC in route planning.
Admiralty Information Overlay (AIO)	T&P Notices to Mariners information displayed over ENC in ECDIS
Consultancy Services	Transas helps you to prepare for the move towards paperless navigation. Office processes are just as important as those onboard; Transas provides all the training and support you need to administrate your vessels

TADS BRINGS YOU THE FOLLOWING BENEFITS:

- TADS helps you prepare for paperless navigation and the proposed ECDIS mandation in 2012
- The most comprehensive official, worldwide ENC data available in Transas SENC data format with weekly updates
- Simplified ordering and update procedures when using SENC data will save both time and cost
- Access to and supply of Admiralty Digital Publications and additional data services for easy navigation

THE FUTURE – PAPERLESS NAVIGATION WITH TADS

Pre-filled with TADS, your new Transas ECDIS is configured with official global SENC data, enabling the mariner to make the transition towards paperless navigation.

What is paperless navigation?

In order to enjoy paperless status, ENCs should be up to date, compliant with the International Maritime Organisation (IMO) Regulations and loaded into a type-approved dual-ECDIS onboard. Having a dual ECDIS onboard means that the main ECDIS is connected to an identical but fully functioning backup system, providing safety, efficiency and peace of mind.

TADS allows any vessel (equipped with dual-ECDIS) to operate paperless in areas where ENCs are available, making the most of the ECDIS as a professional navigational tool. AVCS data from the United Kingdom Hydrographic Office is used together with the aforementioned ENCs to provide the most comprehensive, official worldwide coverage available to the professional mariner.

The differences between ENC and SENC			
Action	ENC	SENC	Comments
Electronic Navigational Chart compiled and coded according to the standards of the IHO Standards (S57 Version 3.1)	X	X	
Based on official ENC data only available for use in type approved ECDIS	X	X	
Regularly updated with official update information distributed digitally	X	X	
Can order/handle chart administration online via Transas Chart Assistant, simplifying ordering procedures		X	Using Transas Chart Assistant program
Requires time for the ECDIS to convert the ENC data into a format that can run in the system itself	X		Installation and conversion of ENC data can be time consuming. Tests show that SENC installation is approximately 8 times faster than standard ENC installation.
Comes pre-formatted for instant upload and use within the ECDIS		X	As supplied on TADS CD/DVD

SENC & ENCs - In General:

Electronic Navigational Charts (ENC) are the official data format for digital navigational information compiled in accordance with SOLAS Regulations for operation in any ECDIS system. As such, they need to be converted within the system into a format that runs with the configuration of a particular ECDIS.

System Electronic Navigation Charts (SENC) are similar to ENCs, but are converted to the internal format of a specific system before they reach the customer. As a result, there is no conversion in the system and users are able to purchase, manage and update their charts online or through a weekly update service.

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TADS SENC CHART COLLECTION

SENC (System Electronic Navigation Chart) is ENC data that has been compiled into the internal format of a specific Electronic Chart Display and Information System (ECDIS). Transas is the only ECDIS manufacturer providing an SENC service. Transas delivers official ENC data from the UKHO, in SENC format as per IHO guidelines. The Transas SENC Distribution Service was fully tested and approved by Det Norske Veritas (DNV).



- The subscription term for the cells runs for 3, 6, 9 or 12 months
- The SENC Base issues are distributed quarterly on CD/DVD or via the Transas website. Updates are released on a weekly basis and distributed regularly via email, online or CD/DVD and can be downloaded from the Transas website.
- The Chart administration onboard is done through Transas Chart Assistant or Transas Navi-Planner.

FAST AND EFFICIENT CHART MAINTENANCE

Chart Assistant/Navi-Planner (SENC users only)

Chart Assistant (CA) and Navi-Planner (NPL) are specially developed chart administration tools for all chart formats used in Transas navigation systems, which provide the following:

- Ordering and delivery of Chart licences, new charts and chart updates
- Installation of charts and chart updates
- Status report of the ship collection

Chart Assistant and Navi-Planner can use the vessel's existing email system to receive chart licences, charts and chart updates. Alternatively, Chart Assistant or Navi-Planner can be connected directly to the Transas chart server via the internet, provided the Transas Firewall and Virus Protection system is installed.

Weekly Update CD/DVD

Updates can also be delivered via CD or DVD on a weekly basis to Transas customers. This CD/DVD contains updates to all the charts in the service and once uploaded onto the ECDIS system, ensures that every TADS customer has a complete and up to date set of data onboard, with the option to easily access additional data if required. CD/DVD updates can also be used in conjunction with online or email updates, where internet access is limited or where a physical backup is required.

Digital Catalogue (AVCS customers only)

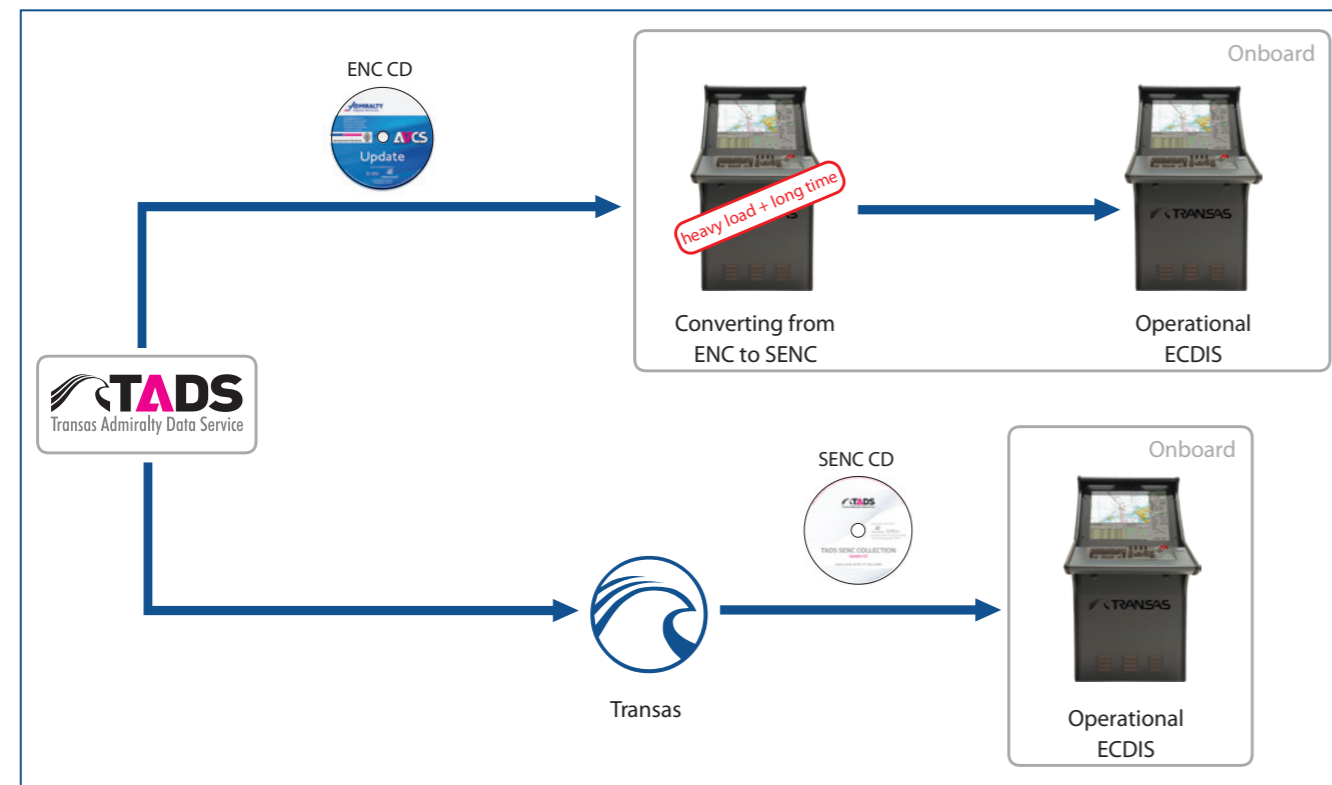
Admiralty Digital Catalogue is included free of charge to all our AVCS customers.

Admiralty Information Overlay (AIO): Temporary and Preliminary Notices to Mariners

Admiralty Information Overlay includes all Admiralty Temporary and Preliminary Notices to Mariners (T&P NM's) and provides additional navigation significant information from UKHO's ENC validation programme.

The Overlay is displayed as a single layer on top of the basic ENC and is available as part of the TADS service.

This ensures that TADS users have the most up to date T&P information available regardless of where they are in the world. T&P NMs will be delivered on a weekly basis on the update DVD or with the online/email updates, depending on requirements.



We are using TADS with Admiralty Information Overlay. It's easy and the fastest passage planning tool for us. Corrections, including T&P Notices, are received from the Chart server and can be implemented immediately in ECDIS hence we always have official and up to date coverage. With TADS we can also significantly the reduce workload of Officers on-board.

*Capt. Mohammad Shawkat Ali
Master, M.T Glenda Meryl*



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ADDITIONAL SERVICES – INFORMATION, ASSESSMENT, ADMINISTRATION

Admiralty Digital Publications (ADP)

TADS incorporates Admiralty Digital Publications in the form of the award-winning Admiralty Total Tide, Admiralty Digital List of Lights and Admiralty Digital Radio Signals Volume 6. These are compiled together on a single CD and can be licensed, installed, used and updated via a single common interface that is quick and easy to use.

SPOS® Weather by MeteoConsult

The ultimate in weather information and forecasting, SPOS integrates information from the world's major meteorological offices along with observations, forecasts and satellite imagery to give the best weather information available. This data can be used to optimise route calculations, performance and voyage reporting.

Additional Data Services

Transas is always working on new functionalities for TADS. The new Navi-Planner application includes advanced planning and administrative functions designed to make your life easier.

BP Distance tables (AtoBviaC auto-routing module)

The module adds the AtoBviaC component into Navi-Planner, which grants the user the Auto routing functionality based on a pre-loaded waypoints database from BP Distance Tables.

Consultancy Services

In partnership with the service organisation, Transas offers a range of consultancy services to TADS customers including office administration, training and process management. We give you all the support and guidance needed to administrate your vessels.

At Lauritzen we have been running completely paperless on several vessels. TADS makes it possible to keep costs down and at the same time ensure that our vessels are equipped with all the required and updated electronic data.

Lauritzen Fleet Management



QUALITY AND COMPLIANCE

Compliant

The Transas Admiralty Data Service only contains SENCs that meet SOLAS Carriage Requirements for use within Electronic Chart Display and Information Systems (ECDIS).**

Quality

Transas is proud of its reputation as a supplier of high quality, reliable navigation products to the marine industry. Transas continues this by offering official ENC content (based on the UKHO's AVCS data and before being converted to SENC) in the TADS service. All cells have passed validation checks to ensure that they will load and display correctly on ECDIS equipment.

In addition, all ENC data is fully assessed by the UKHO where the content of the ENC data is compared to the equivalent Admiralty paper chart. Any navigational significant differences identified are then investigated and resolved with the producing nation. Where UKHO believes additional information should be made available to mariners, it will be displayed in Transas ECDIS via Additional Information Overlay (AIO), exclusive to the TADS service. No other electronic chart service offers this level of quality assurance.

TADS: FLEXIBLE SOLUTIONS

Licensing

Where available, the chart cells can be licensed for 3, 6, 9 or 12 months. In some countries, Hydrographic Offices do not allow all subscription periods.

WORLDWIDE SERVICE AND SUPPORT

Transas is dedicated to providing high-quality service to the shipping industry. Our service network is strategically spread worldwide to deliver fast and efficient service to our customers. Transas is a leading manufacturer of marine navigation equipment and operates according to ISO 9001:2000 principle.

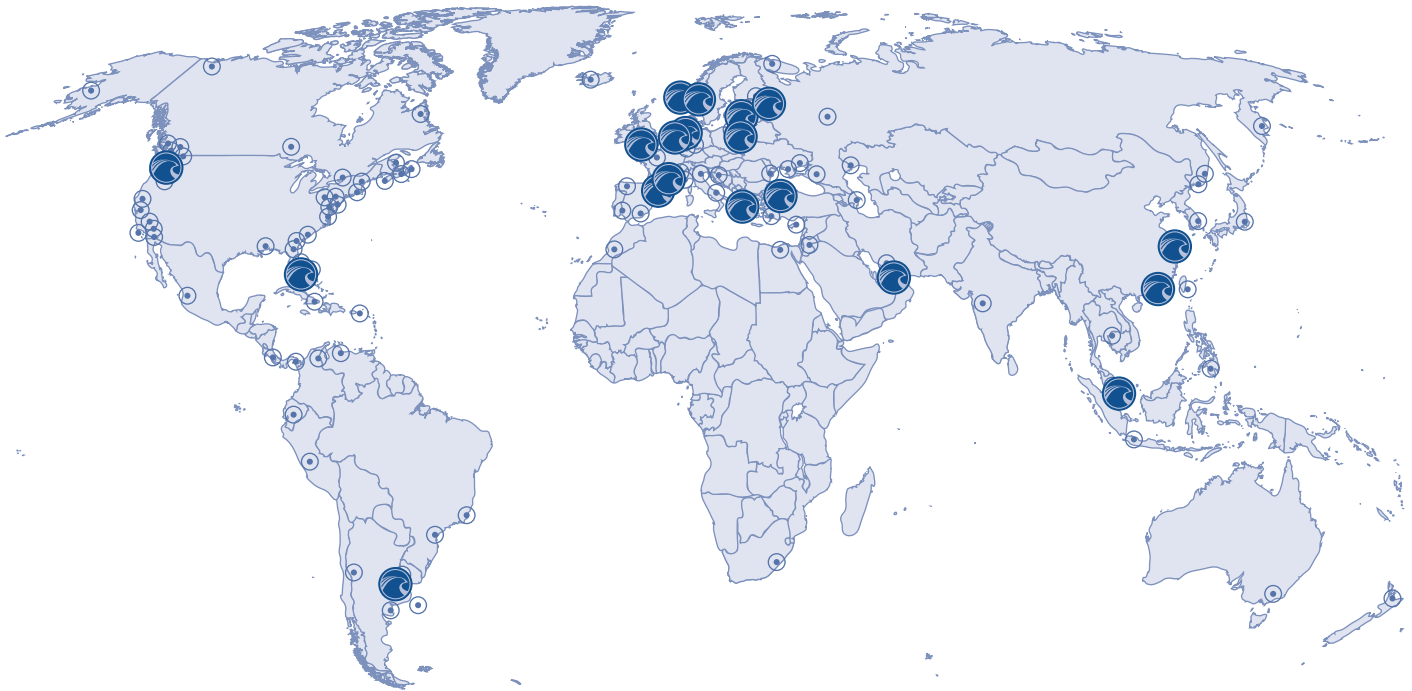
Always within your reach

The Transas Worldwide Service Network can respond to any service enquiries 24 hours a day, 7 days a week and ensures that service is delivered on time. Transas provides service with its own trained specialists in the 50 biggest ports, and supplies service in all other major ports via our widespread Service Network.

All work is performed by Transas-certified engineers who are continuously trained to upgrade and refresh their knowledge of the latest technologies.

** Transas delivers official ENC data in SENC format as per the IHO amendment to paragraph 3.3 of S-52, and the new Technical Resolution A3.11 adopted at the IHO's 16th International Hydrographic Conference. Transas SENC Distribution Service was fully tested and approved by Det Norske Veritas (DNV). The collection currently includes Electronic Navigational Charts (ENCs) from national Hydrographic Offices and new ENC coverage produced by the UKHO in co-operation with foreign governments to provide comprehensive, official, worldwide coverage.

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