- Official SENC and ENC
- Digital Notices to Mariners
- ADMIRALTY Digital Publications
- Weather Services and much more
**MORE THAN ELECTRONIC CHARTS**

Transas ADMIRALTY Data Service (TADS) makes paperless navigation a reality, bringing official chart data and other information directly to your ECDIS to meet SOLAS carriage requirements. TADS is available to Transas ECDIS users and users of other ECDIS systems.

Designed to increase safety, save time and simplify chart handling, TADS offers the best coverage and the most accurate data available.

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

**WHY USE TADS?**

- TADS gives you full compliance with the ECDIS carriage requirements and paperless navigation
- You’ll benefit from the most comprehensive official ENC data available as SENC for Transas ECDIS
- Chart handling couldn’t be easier, using Navi-Planner and the Transas Chart Server
- SENCs install significantly faster than ENCs
- Transas offers a ‘Pay As You Sail’ solution together with TADS
- 24/7 support
- A complete package of digital solutions and tools
- Transas performs additional quality checks to all the ENC data during the SENC conversion.

**CHOOSE TADS TO ENJOY THE FOLLOWING SERVICES**

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transas SENC service</strong></td>
<td>Official Electronic Navigational Charts (ENC) data converted to SENC and ready for use in your Transas ECDIS, saving you time and increasing efficiency (Transas ECDIS users only)</td>
</tr>
<tr>
<td><strong>AVCS (ENCs that work on any ECDIS brand)</strong></td>
<td>Official ENC data in a standardized format compatible with any ECDIS regardless of brand (Transas supplies this to non-Transas ECDIS customers)</td>
</tr>
<tr>
<td><strong>ADMIRALTY Digital Publications</strong></td>
<td>ADMIRALTY List of Lights, ADMIRALTY Radio Signals Vol. 2 and 6 and TotalTide information straight to your ECDIS (or to be used on a standalone PC)</td>
</tr>
<tr>
<td><strong>Weather services</strong></td>
<td>Transas offers high resolution weather forecasts from renowned Meteo Group. The weather is normally supplied with other data directly from the Transas Chart Server for route optimization in Navi-Planner. If Navi-Planner is not used onboard, the SPOS® program can provide route optimization and weather prediction.</td>
</tr>
<tr>
<td><strong>ADMIRALTY Information Overlay (AIO)</strong></td>
<td>T&amp;P Notices from ADMIRALTY Notice to Mariners together with additional information from the United Kingdom Hydrographic Office (UKHO) validation program</td>
</tr>
<tr>
<td><strong>Consultancy services</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
### THE DIFFERENCES BETWEEN ENC AND SENC

<table>
<thead>
<tr>
<th>Action</th>
<th>ENC</th>
<th>SENC</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Navigational Chart compiled and formatted according to the standard of the IHO Standards (S-57 Version 3.1)</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
</tr>
<tr>
<td>Additional quality control of the ENC data</td>
<td></td>
<td>✔️</td>
<td>Done ‘in-factory’ by Transas chart department</td>
</tr>
<tr>
<td>Based on official ENC data for use in type approved ECDIS</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
</tr>
<tr>
<td>Weekly updates available</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
</tr>
<tr>
<td>Easy chart handling online using Transas Navi-Planner and Transas Chart Server</td>
<td></td>
<td>✔️</td>
<td>Using Navi-Planner program</td>
</tr>
<tr>
<td>The ECDIS must convert from ENC to SENC itself</td>
<td>✔️</td>
<td></td>
<td>There is a very big difference in time required for installing SENCs vs. ENCs</td>
</tr>
<tr>
<td>Delivered to the onboard ECDIS in its own system format (SENC), saving valuable installation time</td>
<td></td>
<td>✔️</td>
<td>Supplied on TADS CD/DVD</td>
</tr>
</tbody>
</table>

'We have been using TADS on our Transas ECDIS. Thanks to TADS together with Transas Gateway (Firewall & Antivirus) we get automatic updates and use the online order service.

According to our Master and the responsible Navigation Officer the chart handling is easy and logical. We started a test run on one ship and after this good experience we have started to upgrade all our ships to TADS including Transas Gateway.'

Ulrich Baar
Fleetmanager
RIGEL Schiffahrts GmbH & Co.KG
SENC AND ENC: AN OVERVIEW

Electronic Navigational Charts (ENC) is the official chart distribution format compiled for ECDIS systems in accordance with SOLAS regulations. Before the ENCs can be presented in the ECDIS, they must be converted to the ECDIS own presentation format, which makes it System Electronic Navigational Charts (SENC). The SENC format is unique for each ECDIS maker/manufacturer. Transas performs the ENC to SENC conversion before sending the chart data to the vessel. This allows Transas to test and validate the data as well as relieve the onboard personnel from the time consuming conversion to SENC.

Transas SENCs are created from the ADMIRALTY Vector Chart Service (AVCS) data. The SENC conversion process and distribution is fully tested and approved by Det Norske Veritas (DNV) and the United Kingdom Hydrographic Office (UKHO).

The SENC/ENC chart cells can be licensed for 3, 6, 9 or 12 months. This type of licensing is often called Flexible or Dynamic licensing. [Please note that in some countries, not all subscription periods are available].
CHART HANDLING

Navi-Planner

The Navi-Planner software is designed to make chart handling as easy as possible for the mariner. With its unique capability to directly connect the ECDIS via the internet to the Transas Chart Server, the mariner has instant access to new licenses and updates. Status reports for installed charts are easily extracted to verify that all updates have been applied.

Availability of updates

SENC/ENC updates are issued on a weekly basis and can be obtained by direct connection to the Transas Chart Server, downloaded from our website or supplied on DVD/CD.

ADimiralty Information Overlay (AIO): Temporary and Preliminary Notices to MarinerS

ADimiralty Information Overlay includes all ADimiralty Temporary and Preliminary Notices to MarinerS (T&P NMs) and provides significant additional navigation information from the UKHO ENC validation program.

The overlay is displayed as a single layer on top of the basic (S)ENC and is available as part of TADS.

Pay As You Sail

With Transas ‘Pay As You Sail’ the vessel will have licensed access to view and pre-plan in official charts at no extra cost. The vessel will be charged for charts used for actual navigation monitoring; in other words, charts that have been displayed on the screen together with ships position. In principle this is ‘best scale only’, not all charts under the keel. Recording and reporting of charts used is done automatically by the Transas ECDIS.

Part of the Transas PAYS service is a secure online connection of the vessel’s ECDIS to Transas Chart Service via the internet. This is done through Transas ‘Firewall and Virus Protection’ device, Gateway.

‘Pay As You Sail’ service is also available via simple vessel Tracking services, which allows to combine SSAS, vessel tracking/fleet management, whilst reviewing the vessel’s charts expiration and controlling orders for charts. All under a single web based platform FleetView Online available at www.fleetviewonline.com.
QUALITY AND COMPLIANCE

Compliant

In order to meet SOLAS carriage requirements for ECDIS, TADS incorporates only official data either as SENC or as ENCs.

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 in the Transas ADMIRALTY Data Service, based on the UKHO’s AVCS data converted into Transas SENC. All cells have passed extensive validation checks to ensure that they will load and display correctly on the 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 significant navigation differences are then investigated and resolved with the producing nation. Using the ADMIRALTY Information Overlay (AIO), UKHO provides additional information which is considered important for safe navigation.

Always within your reach

Transas is proud of its worldwide service network. Our support organization shares the duty hours between time zones, so you can be sure that qualified personnel are always available to assist with your needs.

We use TADS SENC charts in our fleet as these are easy to order and update. Vessels get weekly updates via the ship’s internet and this means no delays in NTM corrections and it enhances navigational safety as charts are updated instantly after release of new NTM. Further, the safety is improved as corrections are applied without user failures and reduce workload significantly.

After we implemented the AIO (T&P) overlay we have also seen a decrease in various inspection observations as a regular paper system of T&Ps is really difficult to maintain onboard.

All above is enhancing navigational safety of the voyage as the deck officers can concentrate on navigation and is not tempted to do corrections during navigational watches.”

Karen A Kruse
Marine Superintendent
Nordic Tankers Marine A/S