Nav
Command Table.
Submarine WECDIS

Tactical Navigation
for submarines**.**

The Nav Command Table is a multifunctional console with an intuitive to operate large table display for submarine navigation and situational awareness. In combination with the Naval ECDIS NX application - a Warship Electronic Chart Display and Information System (WECDIS) — it provides the modular basis for highly accurate navigation and tactical operation of the submarine, designed to budget.

Key Benefits

Maximum mission performance

Mission effectiveness is built upon a clear situational picture, from navigation to naval mission.

- Clear and validated picture of the navigational and tactical situation supports quick decision making
- Naval features include tactical overlays, waterspace management and more
- Customizable WECDIS according to STANAG 4564 Ed.3 (April 2017)
- Capability upgrade possible to a multifunctional console with naval radar and situational awareness applications

Easy familiarization for crews

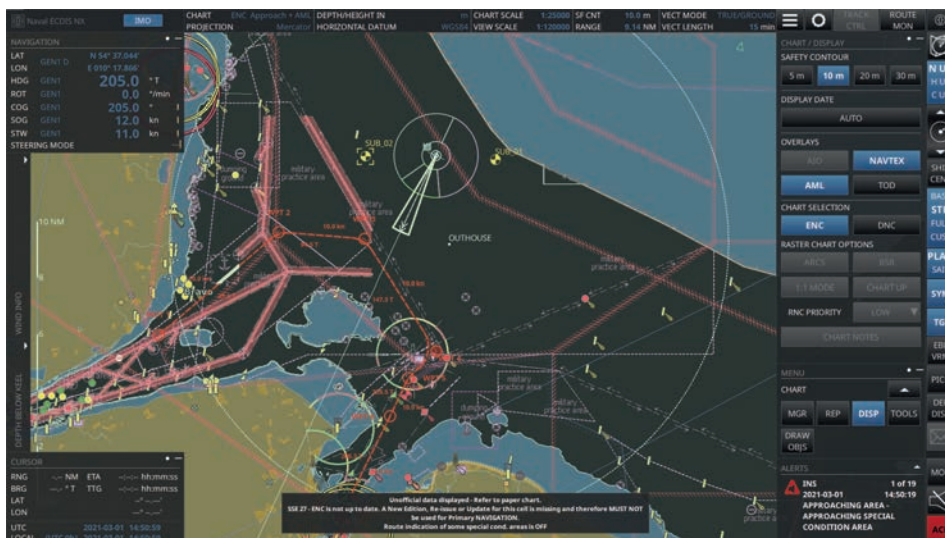Intuitive to operate multifunctional console to provide navigational information and command.

- Central place of information, accessible and easy to read from any side
- Proven WECDIS as basis, modern design with a clear-structured, intuitive user interface
- Maximized chart view with multi-touch functionality
- Less distraction and stress through consistent use of sensor data (checked for integrity and plausibility), system health monitoring, and central alert management

Secure investment

Ready for future: type approved WECDIS as flexible basis for modular capability upgrades.

- Compliant and proven – ready to use
- Future-proof hardware and operating system
- Simplified updates and upgrades
- Configurable system setup for fast, risk-free and easy start-up
- Ideally suited also for refits (replacement of legacy Anschütz and MSI plotting tables)

Naval ECDIS NX replaces traditional paper charts by combining the continuous display of navigational information on electronic charts with effective military function, visualized on a large table display.

Main Features

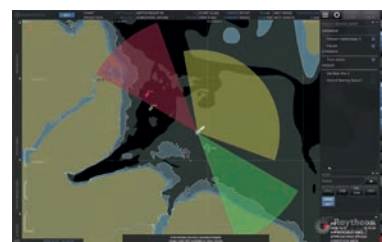## Naval ECDIS NX enhances platform capabilities for navigation and situational awareness

- Based on a fully IMO compliant WECDIS, Made in Germany and tailored to specific naval requirements
- Can be optionally extended to a multifunctional console with software applications for naval radar and situational awareness (command and control)
- Modern human-machine interface with maximized chart view and quick access to essential functions
- Multitude of naval features for navigation and operation in special missions, including navigational and tactical overlays, waterspace management

- All available naval features according to STANAG 4564 Ed. 3 (April 2017)
- Chart formats / availability: S-57/S-63 ENCs, AML, ARCS, DNC, TOD, BSB; prepared for the new S-100 Standard and S-500 (AML)
- Type approved according to IEC 61174 Ed. 4 and IHO Presentation Library S-52 Annex A Edition 4.0
- Secure network compliance IEC 61162-450 Ed. 2
- New bridge alert management standard (IMO.302(87), IEC 62923-1 and -2)

Plus Features

Mission performance and waterspace management

- Periscope, optronic mast system, sonar, radar and other sensor bearings
- Pool of errors (POE)
- Blind pilotage
- Target intercept
- Search & rescue
- 4W grid
- Moving haven
- Disposition
- Outhouse
- Datum & furthest on circle

Navigational and tactical overlays:

- Radar video overlay
- Geo object events
- Dog box
- Sensor arcs
- Symbols
- CGRS / MGRS
- UTM / UPS

Technical **Data**

The **Nav Command Table** is a capable and flexible hardware platform for Naval ECDIS NX on submarines.

- Integrated keyboard and trackball
- Hardened display provides touch functionality and gesture support for most convenient operation
- Wide viewing angle and high contrast for a clear picture - have all information right at hand in the middle of your meeting
- Silent operation

- Depending on configuration integration with GPS, (W)AIS, radar, periscope, optronic mast system or other sensors
- Environmental qualification according to IEC 60945
- Mil-standard qualification includes shock according to MIL-STD 810, 22G/20 ms, half-sine all axes, and other shock requirements by means of additional shock dampers

Ruggedized touch display

Multi directional connector bay

Paper chart clips

Detachable hand rails

Easy access ports

Versatile mounting ports

The Nav Command Table serves as the flexible, easy to operate hardware platform for the Naval ECDIS NX in use on submarines. Its design allows more ergonomic operation and adjustment to special situation, facilitating collaborative work and empowering the crew in their long-ranged business. The level of ruggedness of the system makes it compliant with all kind of harsh environments encountered on naval applications. It can be placed as a deck stand and as desktop, with detached handrails. The entire hardware and software concept allow constant enhancement and adaptation of the system by updates and upgrades.

Refit solution for legacy plotting tables

The Nav Command Table in combination with Naval ECDIS NX is the ideal replacement for legacy MSI Plotting Tables as well as for legacy Anschütz Plotting Tables.

The compact dimensions and versatile interfaces (configurable via a web application) allow an easy refit of the Nav Command Table in the place of any outdated plotting table.
Customers benefit from a modern, affordable system which also introduces a range of new capabilities to the platform and means an entrance ticket to the merits of electronic navigation.