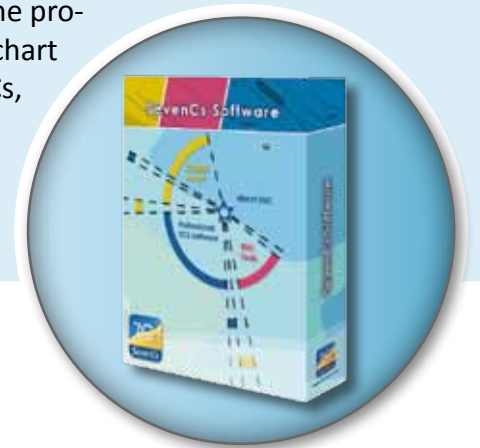




ENC Designer

PRODUCT DESCRIPTION

ENC Designer is the central application of the SevenCs ENC tools production suite. It is a powerful and very easy to use software tool that has been developed for the production of S-57 Electronic Navigational Charts (ENCs). However, chart production with ENC Designer is not limited to ENCs – Inland ENCs, AML, Port ECDIS and bathymetric products are also supported as well. ENC Designer is supplied as a package with ENC Manager and ENC Referencer.



PRODUCT HIGHLIGHTS

⇒ Easy to use and intuitive graphical user interface

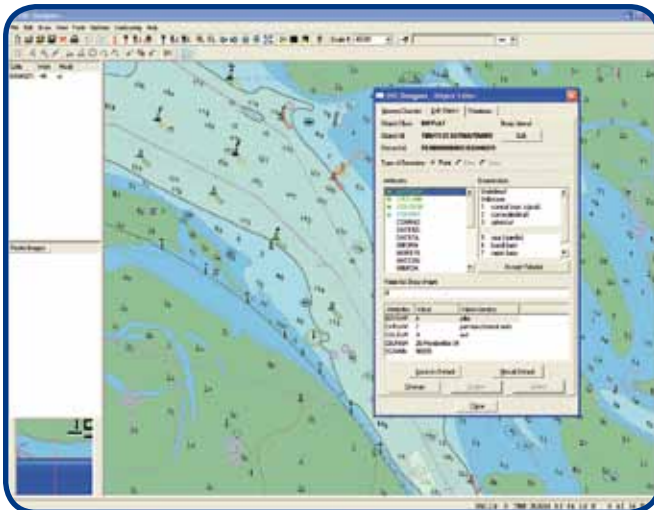
⇒ Area Clipping, Feature Copying, Multi-Feature Encoding

⇒ Powerful filter functions for object selection and data query

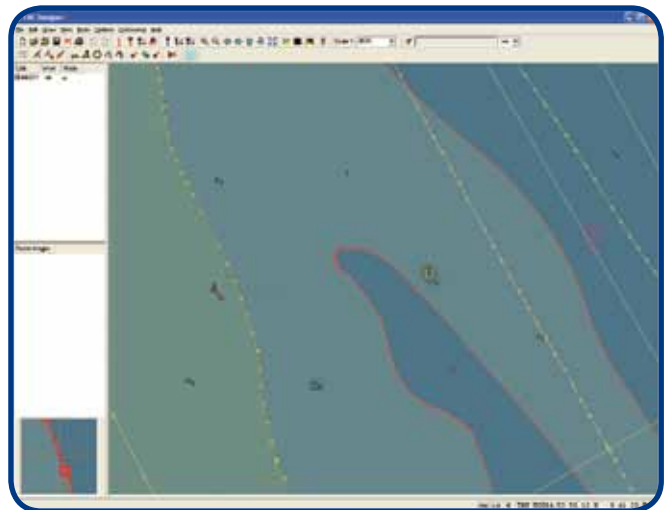
⇒ Menu items for direct launch of ENC Optimizer, ENC Analyzer, and additional Utilities

⇒ Automatic Generation of Group 1 feature objects

⇒ Reads ENC Optimizer and ENC Analyzer log files for interactive data review



ENC Designer Feature Object Editing



ENC Designer in Combi Display Mode

FUNCTIONAL OVERVIEW

S-57 Support

ENC Designer has special S-57 import and export functions for a quick conversion from S-57 to SevenCs SENC (direct ENC format) and vice-versa.

- Allows import and export of all S-57 data products (incl. data consistency checks)

Easy Data Capturing and Encoding

ENC Designer integrates powerful tools for easy data capturing and feature encoding

- Tracer for semi-automatic generation of vector geometry based on raster backdrops
- Object Editor for efficient S-57 feature encoding
- Configurable Object Box for creation of single point objects or groups of point features (e.g. buoy with light)

Feature and Geometry Handling

Feature objects and geometry can be queried, analyzed, and manipulated in many ways.

- Pick Report to retrieve click-to-chart object information
- Object Manager with enhanced filters for effective feature queries and simultaneous encoding of multiple features
- Object Editor for quick and easy feature attribute manipulation
- Geometry Manager with enhanced filters for queries on spatial objects
- Tool set for interactive geometry manipulation

Data Validation

ENC Designer provides special functions for S-57 data validation.

- Includes dedicated data validation mode (read only)
- Smoothly integrates logs from data validation sessions which can be used for interactive review of validation reports

Different Display Modes

Chart presentation can be changed according to the needs of the data producer. Three different modes are available.

- ECDIS Mode for S-52 compliant presentation
- Geometry Mode for display of vector geometry (nodes, edges, vertices)
- Combi Mode which is a combination of the other presentation modes

Settings and Options

Great flexibility is achieved by the integration of customizable settings and configurable options.

- Supports various display settings and integrates a huge set of display filters
- Allows integration of customized object definitions
- Supports numerous coordinate reference systems

Additional Tools

ENC Designer comes with a set of little tools that fully integrate into the graphical user interface.

- Automatic Creation of Group 1 objects
- Depth area consistency checks

Supported Formats and Products

- Vector Formats (R/W): S-57 3.0, 3.1.1, 3.1.2, SevenCs' SENC (directENC)
- Vector Products (R/W): ENC 2.0, IENC 1.02, 2.0, 2.1, AML 1.0, 2.1, 3.0, bENC 1.0, PENC 1.0
- Raster Backdrop (R): GeoTiff, Tiff, BMP, PNG, JPG

SYSTEM RECOMMENDATIONS:

Microsoft Windows XP / Vista / Windows 7
1 GHz or more CPU

512 MB or more RAM

YOUR ENC DESIGNER DEALER



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