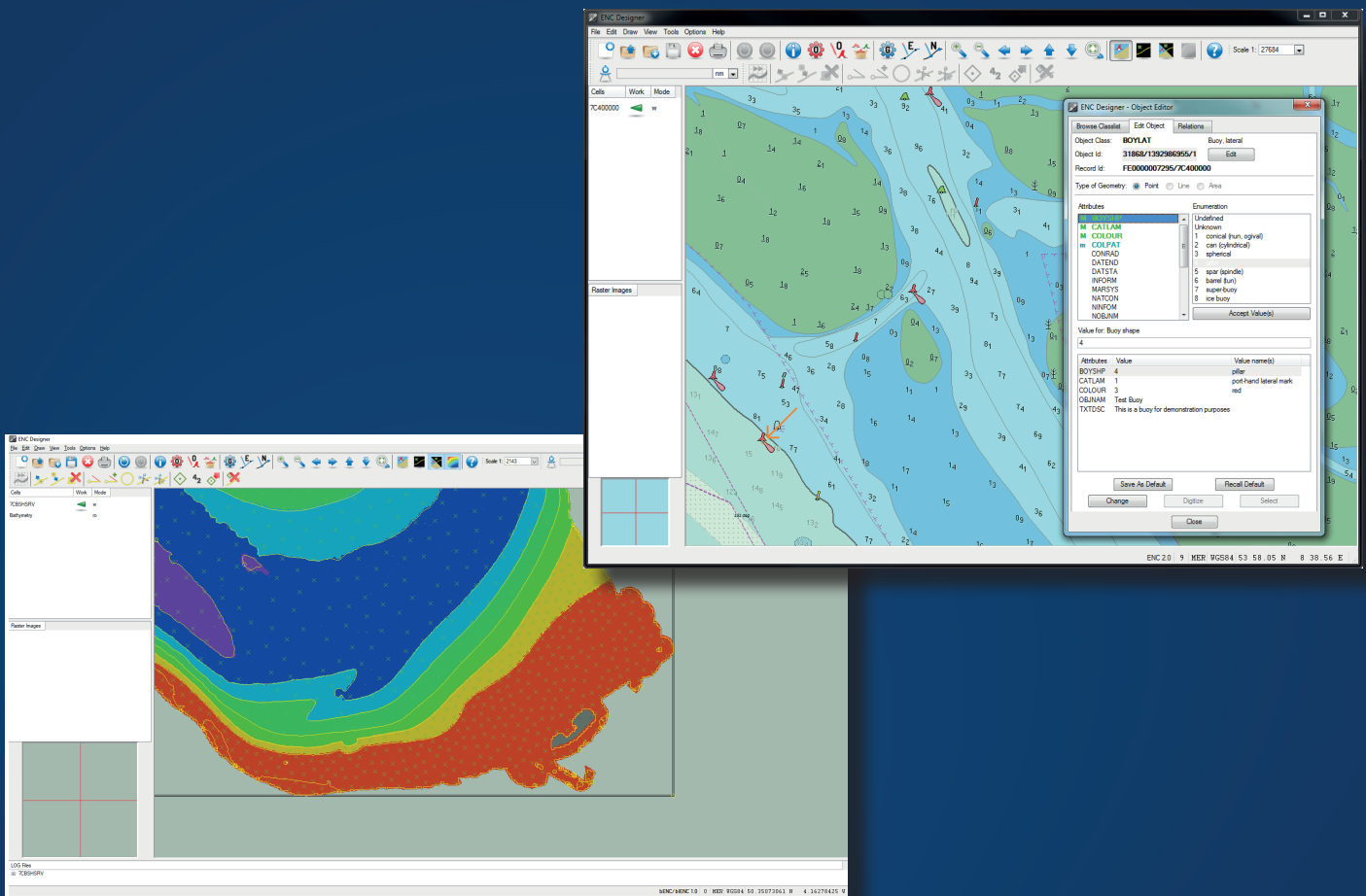


ENC DESIGNER



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). Chart production with ENC Designer is not limited to ENC - Inland ENCs, AML, Port ECDIS and bathymetric products are 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
- Powerful filter functions for object selection and data query
- Automatic generation of Group 1 feature objects

- Area Clipping, Feature Copying, Multi-Feature Encoding
- Integrates with ONC Optimizer, ENC Analyzer
- Log files for interactive data review
- Import of XYZ Bathymetry data/Bathymetry Mode
- Import depth data in ASCII format (XYZ data)
- Pre-defined bathymetry colour palette to visualize the data
- Set parameters to specify the colour display at discrete depth ranges
- Adding multiple coordinates to an edge, users can create new edges from scratch simply by copy and paste actions.
- Additional tools such as makesoe, setAgency, check-depcnt will be automatically integrated in the GUI.

FUNCTIONAL OVERVIEW

5-57 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.

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, analysed 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
- 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. 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 two other presentation modes
- Mode for display of bathymetric backdrops

SETTING 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 small tools that fully integrate into the graphical user interface.

- Automatic creation of Group I 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, 2.0,2.1,2.3,2.4, AML 1.0, 2.1, 3.0, bENC 1.0, PENC 1.0
- Raster Backdrop (R) Geo Tiff, Tiff, BMP, PNG, JPG
- ASCII column separated xyz data

SUPPORTED OPERATING SYSTEMS

Win 7/8/10 (32 Bit, 64 Bit)

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