CARIS

S-57 Composer

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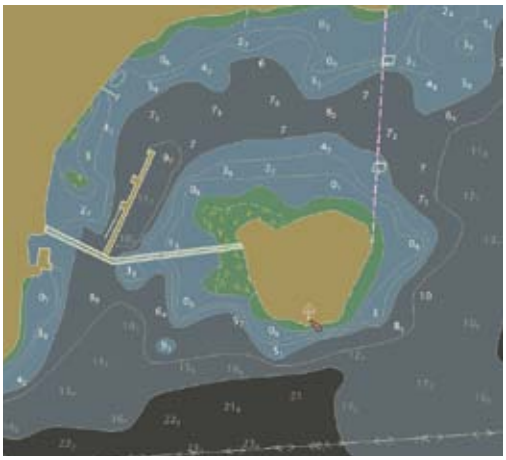


Create, manage and update S-57 and S-100 ENC, AML, IENC, VPF DNC and custom electronic chart products with this powerful and easy-to-use desktop application.

The same robust tools that are found in CARIS HPD™, a database-driven production system, are also available in S-57 Composer™ making it the best engineered and most modern chart creation application on the market.

Ensure that your organization is well placed to meet the International Maritime Organization's mandatory carriage requirements for ENCs by making your chart portfolio available for use onboard.

NEXT-GENERATION DESKTOP ELECTRONIC CHART PRODUCTION

Flexible Product Creation

Creating multiple types of electronic charts is made easy through a combination of modern GIS tools, logical workflows and pre-defined product templates. S-57 Composer supports the very latest Electronic Navigational Chart (ENC), Additional Military Layer (AML) and Inland ENC (IENC) specifications. By adding your own customized data profiles, you can support specialized chart products and overlays such as Marine Information Overlays (MIO).

S-100 Data

The transition from S-57 based specifications to the new IHO S-100 standard for hydrographic data is well underway. As a committed member of the IHO working group formed to support the new data standard, CARIS has expanded the scope of S-57 Composer to allow for the creation of S-100 products. Using the same workflows for creating S-57 and Vector Product Format (VPF) products you can now gain familiarity with the new complex and multiplicity attribute types, work with information types, assign S-100 portrayal to features and work with the expanding registry of S-100 product specifications.

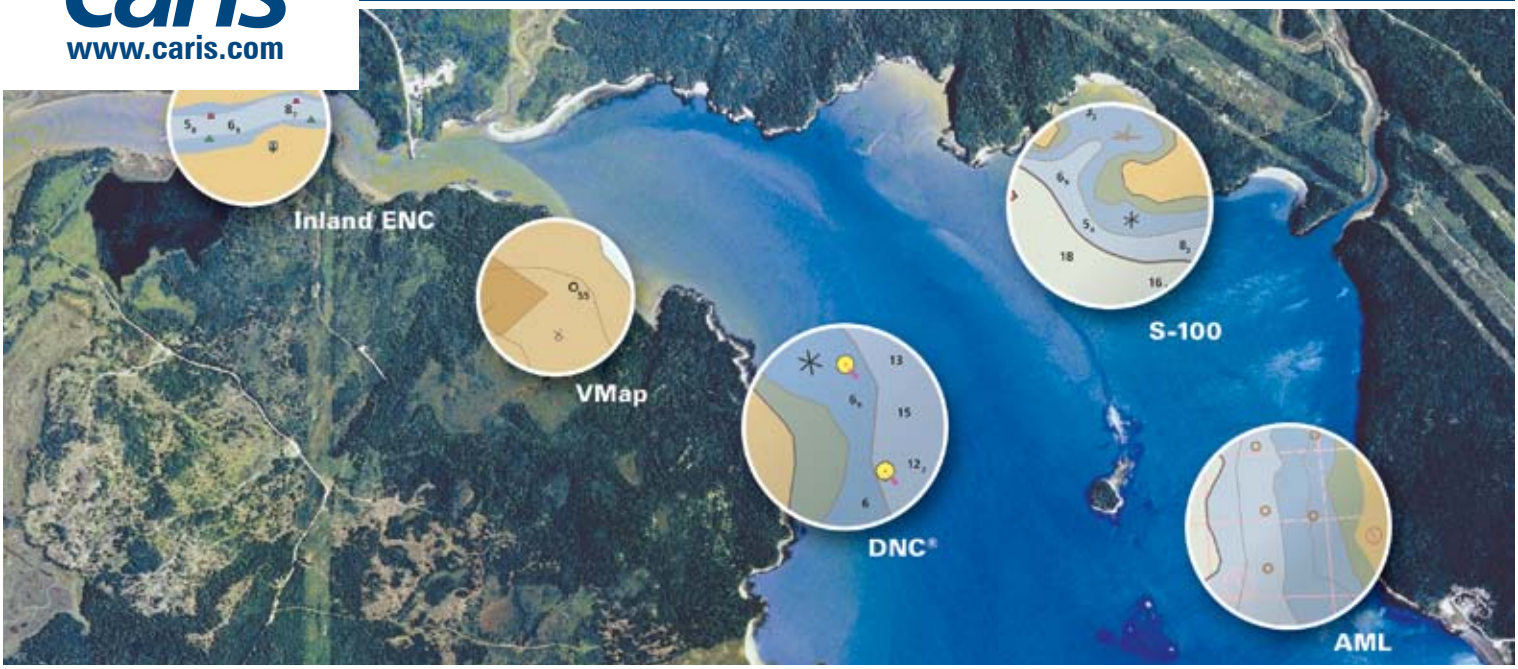
Powerful Compilation Tools

By using the Product Creation Wizard, your first step in chart compilation could not be any easier. Chart creation is aided by S-57 Composer's support for a multitude of raster and vector GIS formats. Data can be grabbed directly from these GIS sources, or used as a basis for manual or automatic digitizing. Information residing in spreadsheets or databases can be easily imported using dedicated utilities. Sophisticated tools allow you to create sounding groups, collection objects, depth areas and master and slave relationships. When ready, your final chart can be automatically exported as a new exchange set, or as a chart update.

Quality Control

S-57 Composer has a complete set of embedded validation tools to ensure that your electronic chart products can be used with confidence on any chart display system.

Connect with Us



S-57 COMPOSER

Quality Control (Continued)

These tools can report errors on feature geometry or on attribution. In addition, user-defined tests can be created to meet your specific validation criteria. ENCs can be tested automatically against the IHO S-58 specifications to ensure compliance. If any errors are found, advanced identification and repair tools exist to correct problems prior to export.

DNC® Creation

The DNC Plugin for S-57 Composer allows you to create, maintain and export Digital Nautical Chart (DNC) products in VPF. The digitization, editing and validation capabilities that are available for creating S-57 and S-100 data are now available for these navigational products as well. The plug-in provides easy and automatic conversion capabilities from ENC to DNC and DNC to S-100.

Evolution to HPD

S-57 Composer is the ideal electronic chart compilation tool for organizations that manage and maintain a small number of ENCs. As your chart portfolio grows, a defined path exists, allowing you to upgrade your S-57 Composer licenses to HPD Product Editors. The original investment in the S-57 Composer software can be put towards the cost of the HPD solution. This enables your organization to migrate from a desktop production environment to a database one with the added benefits and efficiencies that HPD brings.

Ping-to-Chart™

As a standalone system, S-57 Composer provides a one stop shop for the creation and maintenance of any electronic chart product. When used in conjunction with other Ping-to-Chart products, it facilitates the rapid creation of charts from ship to shore. CARIS offers the functionality to streamline your operation, from Ping-to-Chart.

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