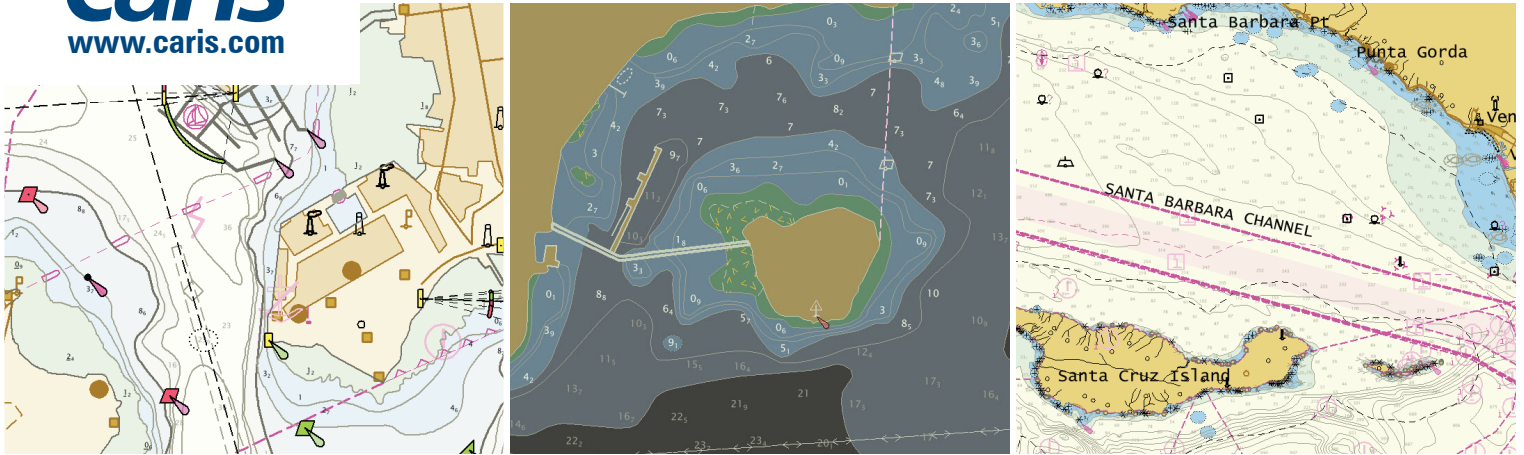


CARIS

# S-57 Composer

**caris**  
www.caris.com



Create, manage and update S-57 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 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 Bathymetric ENCs (bENC) and Marine Information Overlays (MIO).

### S-100 Composer

The introduction of the S-100 standard in the near future will mean the replacement of the existing S-57 based specifications. CARIS has been intimately

involved in the development of the new S-100 standards. As such, CARIS will be able to quickly incorporate the S-100 specifications for electronic chart products into S-57 Composer. Your investment in S-57 Composer today will provide you with access to the S-100 capabilities you will need tomorrow.

### Powerful Compilation Tools

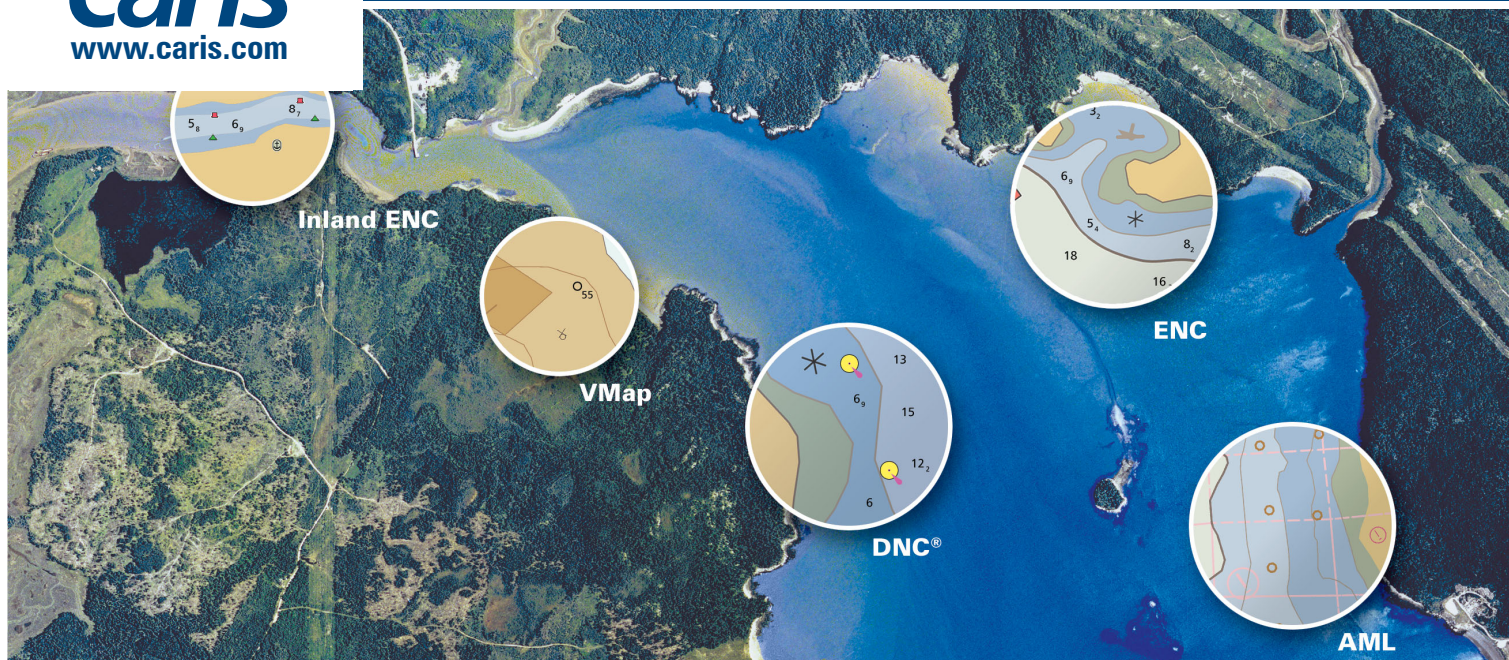
By using the Product Creation Wizard, your first step in chart compilation could not be easier. Chart creation is aided by S-57 Composer's support for a multitude of raster and vector GIS formats. Data can be grabbed directly from these GIS sources, or used as a basis for manual or automatic digitizing. 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. These tools can report errors on feature geometry or on attribution.



## S-57 COMPOSER

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### Quality Control (Continued)

In addition, user-defined tests can be created to meet your specific validation criteria. Essentially, ENC's 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.

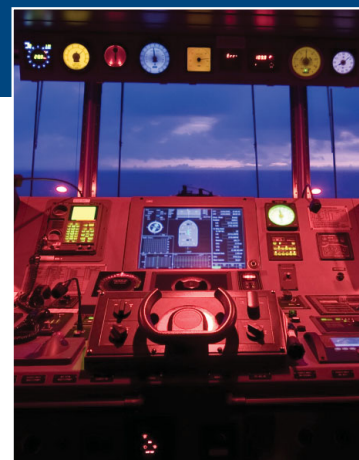
### DNC® Creation

The DNC Plugin for S-57 Composer allows you to create, maintain and export Digital Nautical Chart (DNC) products in the Vector Product Format (VPF). The digitization, editing, and validation capabilities that are available for creating S-57 charts are now available for these navigational products as well. The plug-in provides

easy and automatic conversion capabilities from ENC to DNC and vice versa.

### Evolution to HPD

S-57 Composer is the ideal electronic chart compilation tool for organizations that manage and maintain a small number of ENC's. 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.