CARIS
ChartServer

Distribute Charts through an Internet Catalogue

Providing mariners with the most up-to-date charts en-sures the overall safety of navigation on our waterways.

CARIS ChartServer, an Internet-based product distribu-tion system, enables Chart Producers and their agents to sell and deliver maps, charts and related products over the Internet. Through a common Internet browser, users select charts for digital or hard copy delivery by browsing a basemap with chart boundaries superimposed.

Support for Multiple Chart Products

ChartServer supports multiple hydrographic product types. S-57 Electronic Navigational Charts (ENCs), Raster Charts, Paper Charts, PostScript files representing Paper Charts, and Booklets can all be made available for online distribu-tion using ChartServer.

Internet Chart Distribution your Way

The system is customizable to fit easily with your distinct chart distribution needs. Whether it is the select func-tionality available to customers, the language of choice, or even the look and feel of the interface, CARIS under-stands that no two chart producers or agents will maintain identical methods of online distribution. The design of

ChartServer reflects this. The system is built on open flex-ible technology so you can customize an online distribu-tion mechanism that is efficient and effective for your organization.

Full Usage Recording

ChartServer is capable of accounting for all user access and transaction information. This feature offers valuable reporting capabilities to the hydrographic office with the ability to list usage information such as customer orders and costs for billing purposes.

You Set the Security

Access to your charts is based on security settings you control in ChartServer. The system can limit access to information and data based on customer security clear-ance and account. Web pages are generated dynamically as each user logs in so the functionality available matches that registered to the customer and his/her privileges.
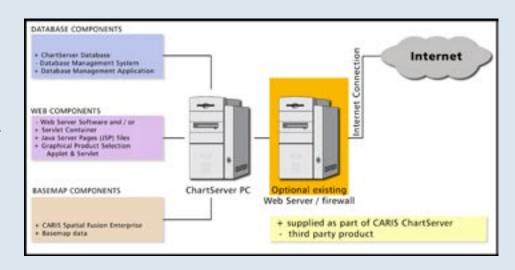
CARIS ChartServer is backed by training from subject matter experts, assistance in data production workflow implementation, and by knowledgeable and responsive support personnel.

CARIS ChartServer Features

- **Database-driven:** The solution is built around a relational database which provides up-to-date central storage of product, customer and order information.

- **Easily Managed:** Database management is handled simply, clearly and efficiently by a purpose-built Database Maintenance Application.

- **Supports Range of Product Types:** The system supports a range of map and chart products, including specialized hydrographic products, such as S-57 ENCs, Raster Charts, Paper Charts, digital paper chart files and Booklets.

- **Off-the-shelf, Ready to Go:** The delivered system is a ready-made solution, including a template database, prebuilt Java Server Pages (to generate dynamic web pages), text and graphical product selection capabilities and basemap data.

- **Choice of Product Distribution Models:** The system can be configured for different product distribution scenarios, such as: B2B data transfer; supply of free ENCs to unidentified users; supply of billable products using an account-based model; or simply a product catalogue without exposing any ordering and sales processing capability.

- **Appearance can be Configured:** The system can be configured for a single-language or bilingual interface and allows further customization of layout and appearance.

- **Delivers ENC Updates:** ENC updates can be delivered to subscribers through a configurable ENC Update Service.

- **Dynamic Graphical Browsing:** In addition to allowing text-based product selections, CARIS ChartServer includes a powerful prebuilt Java applet and servlet for product selection via graphical browsing. Basemap data with worldwide coverage is supplied with the system.

- **Low Maintenance Cost:** The system operates dynamically from the database, thus there is minimal overhead involved in listing new or changed products.

ChartServer Components

- **Database:** Central database for product and customer maintenance, order processing, usage tracking, etc.

- **Web:** Supplies the services seen by the customers, such as product listing, selection, ordering, digital product download, etc.

- **Basemap**: Supplies geo-referenced basemap image for graphical product selection applet.

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