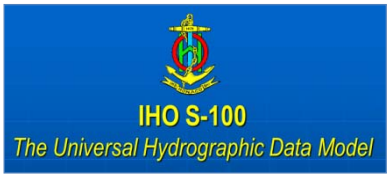
TELEDYNE CARIS

# S-100 Online Workshop

## Description and Requirements

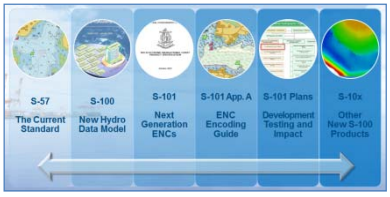
### Description

This Teledyne CARIS online workshop looks at the new International Hydrographic Organization (IHO) S-100 Standard and the related S-101 Electronic Navigational Chart (ENC) Product Specification. S-101 is being developed to support the creation of next generation ENC products based on S-100. You can go through the materials at your own pace from your desktop, using your computer with internet access, and without having to travel to another location.




### Length

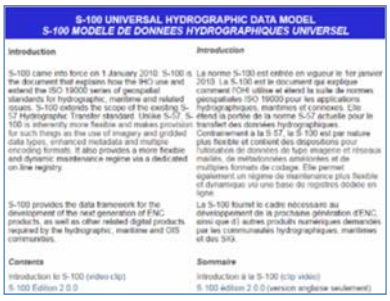
One day (complete at your own pace, times will vary).




### Audience

Anyone interested in learning about the new S-100 Standard and in finding answers to questions such as these:

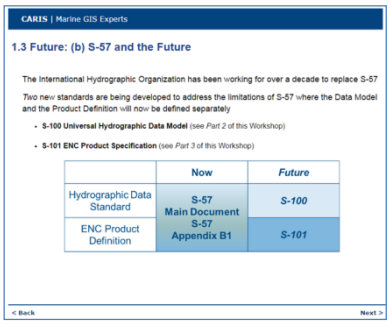
- ✓ What is S-100 and why is it needed?
- ✓ What are the benefits of S-100?
- ✓ What is an S-101 ENC and how does it relate to S-100?
- ✓ What is the current status of S-100 and S-101?
- ✓ What is the impact of S-100/S-101 on ENC producers and users?
- ✓ What are some of the other planned S-100 based products?




### Topics

This workshop begins with a brief review of the IHO S-57 Standard, the current standard for Electronic Navigational Chart production. It considers the status of S-57 ENCs, some of its limitations, and how they relate to the new S-100 Standard.


Next, the workshop presents an overview of the new IHO S-100 Universal Hydrographic Data Model. It looks at the main purpose of S-100, what it contains, and it outlines of some keys terms and concepts.




After this, the new draft S-101 ENC Product Specification is considered including how it relates to S-100. The workshop looks at the S-101 Feature Catalogue and its contents including features, attributes, values, relationships and S-101 geometries. Background information about S-101 concepts, datasets and their usage is also reviewed. This is followed by an examination of the S-101 encoding guide that explains how to encode real world features in an S-101 product.

Finally, the workshop concludes with a quick look at some of the other planned or draft S-100 based products. This includes S-102 Bathymetric Surface raster products that can be used to provide additional depth information when navigating using new S-101 ENC products.


To help illustrate concepts outlined in the workshop, examples are presented showing how CARIS supports creating, editing and exporting S-100 products using the latest version of its widely adopted CARIS S-57 Composer desktop electronic chart production software.

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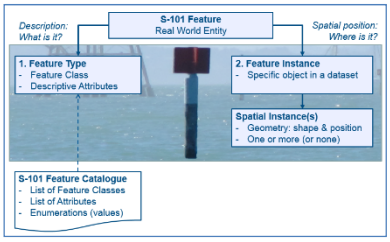
Participants must have access to the following items as these are not included with the workshop:

- ✓ High speed internet access
- ✓ An internet browser
- ✓ Acrobat PDF reader program

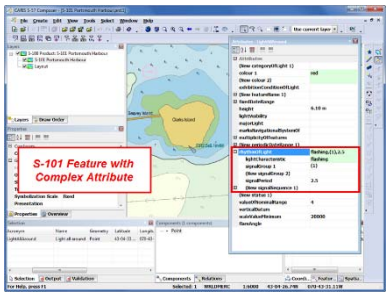
Note: the workshop includes screen captures showing how you can process S-100 products in the current version of *CARIS S-57 Composer* but this software is *not* required to complete the workshop.

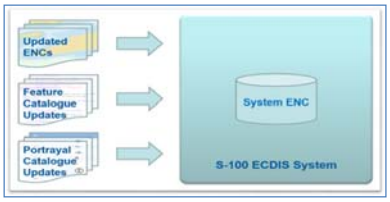



### Materials

This online workshop uses different types of complementary materials:

- ✓ Web pages with text and images, logically organized into different related sections
- ✓ Activities that include optional links to relevant websites to find out more information
- ✓ Related PDF format documents can be downloaded
- ✓ Screen captures showing sample S-100 products being created, viewed, edited, checked and exported using the *CARIS S-57 Composer* desktop software
- ✓ Automatic progress tracking where the materials can be reviewed in any order and reviewed again later as required




### Prerequisites

This is an introductory workshop and ideally all participants will have:

- ✓ Familiarity with operating Windows computers and software including an internet browser
- ✓ A basic knowledge of electronic chart production, ENC concepts and the current IHO S-57 Standard
- ✓ Some experience creating digital charts and/or ENCs

No previous experience working with CARIS software is required.


### Contact us

For more information, contact Teledyne CARIS Global Headquarters: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