



Enc Editor Changes for the IENC 2.3 Standard

By Bill Bergman

EncEdit (the ENC EDITOR) is the HYPACK® program for creating, editing or simply viewing detailed information about S57-related charts. It supports a number of Product Specifications (think rules and conventions shaping a chart's content) including the Inland Electronic Navigational Chart, IENC for short, specification used for charting navigable rivers and streams.

2.3 STANDARD

The IENC product specification is now at revision 2.3. We are in the process of ensuring we are following the provisions in this document. One interesting change is shown in Figure 1. The Intended Usage field for Overlays now encodes a range of Usages. We have extended the functionality of the Chart Editor dialog to capture this expanded information. The Overlay Usage area will show, automatically, when editing a chart with the IENC Product Specification selected and the Intended Usage set to Overlay. It will be hidden in any other combination of values.

FIGURE 1. Chart Editor Dialog

Chart Editor

Identification | Information | Parameter

Exchange Purpose: New Data

Intended Usage: A - Overlay

Data Set Name: 3HA00000.000

Edition Number: 1

Update Number: 0

Update Date:

Issue Date: 20140306

S57 Edition Number: 03.0

Product Specification: IEC|Inland Electronic Navigational Ch

Prod. Spec Desc.:

Prod. Spec Edition: 2.0

Application Profile ID: ENC, new

Producing Agency: 3H - HYPACK, Inc.

Comment:

Overlay Usage

From: 1 - Overview

To: 8 - River harbour

Overlay usage in IENC Product specification opens the Overlay Usage area where a From usage and To usage is specified. This special mode for overlay usage is currently only present in the IENC spec.

OK Cancel Save Defaults

The Chart Edit dialog has also expanded the width of the Producing Agency field. The previous version of the dialog only showed the 2 character producer code. It now shows the code along with the more friendly form of the agency name itself.

PRESENTATION LIBRARY

We were notified recently that our presentation of Mile Marker features on IENC charts was incorrect. After reviewing the presentation commands for the associated Attribute combinations, I determined our software presentation was correct. The user, however, was also correct! It turned out that the 2.3 standard has also made changes to the presentation library. After incorporating the latest presentation rules to our software, this issue has been resolved.

FINAL PRODUCT WIZARD SUPPORT

The FINAL PRODUCT WIZARD is a relatively new addition to HYPACK®. It is a nice tool that allows for the rapid generation of Final Products from source data in one centralized spot. The final product of note here is the generation of IENC Overlay files. This wizard lets one generate an Overlay file containing both contour data and spot soundings. The EncEdit program has been updated to work in a User Interface silent mode to help complete this task. Configurable parameters of interest in the Wizard, which will be applied to final overlay chart, include the Producing Agency and the Overlay Ranges as detailed above.