

Paper for Consideration by NCWG

New Features in S-101 that require Symbol Development

Submitted by:	Julia Powell (S-101 Project Team Lead, S-100WG Chair)
Executive Summary:	This paper asks NCWG to provide symbology for new features that have been developed for S-101.
Related Documents:	S-101 DCEG
Related Projects:	S-101

Introduction / Background

As part of the HSSC reorganization, NCWG was tasked with the following:

The development of specifications for symbolization of any data required to be displayed on nautical charts

The implication is that NCWG has now expanded its expertise beyond the traditional paper chart and into the display of symbology of the Electronic Navigational Chart. While the S-100WG provides the infrastructure for building portrayal catalogues, it does not have the expertise in determining how the symbol should look.

Analysis/Discussion

In building the new S-101 Electronic Navigational Chart product specification, many of the existing symbols from S-57/S-52 ENC's will be used. However, the project team has developed several new features and attributes for which there is no existing symbology for, which requires the knowledge of the NCWG.

The attached spreadsheet (as well as the extracted Data Classification and Encoding Guide sections) contains a listing of new features/attribution/enumerated values that will require representation on the Electronic Navigational Chart. It should be noted that some of the representation may default to an existing symbol or line style that may already be developed, however, the S-101 Project Team requires some guidance as to what should be used.

In addition, if a new symbol is required then the NCWG should propose the general look and feel of the symbol using INT 1 as a guide. The S-101 Project Team will then develop the underlying SVG graphic for use by the ENC product specification which will then be registered as an available symbol in the IHO's Portrayal Register.

Recommendations

It is recommended that the NCWG add the development of S-101 symbology as an action item. Because, S-101 is nearing completion, it is hoped that NCWG would be able to have a new set of symbols proposed by September so that the SVG symbolization may commence.

Justification and Impacts

As stated above, the HSSC has determined that NCWG shall be the owners for the symbolization of data for the display on nautical charts, therefore it is entirely appropriate for the S-100WG to ask that NCWG take the lead in developing symbols for new S-101 items. In addition, due to the time sensitive nature of S-101, it is hoped that NCWG will make this a high priority task for completion by September 2016.

Action Required of NCWG

The NCWG is invited to:

- a. note the paper
- c. agree to develop the new symbols required for S-101 with a delivery date of September 2016 (noting that the SVG development is out of scope for NCWG)