

Paper for consideration by SNPWG18

Overview of the work status

Submitted by:	SNPWG Chair group
Executive Summary:	Introduction of the current work status
Related Documents:	http://www.iho.int/mtg_docs/com_wg/TOR/SNPWG_TOR.pdf http://www.iho.int/mtg_docs/com_wg/SNPWG/SNPWG_Misc/ProdSpecDevelopment.htm http://wp12183585.server-he.de/npubwiki/wiki/index.php/Main_Page
Related Projects:	S-100 Ed. 2.0.0 S-122, S-123, S-125, S-126, S-127

Introduction / Background

This WG is a subsidiary of the Hydrographic Services and Standards Committee (HSSC). Its work is subject to HSSC approval.

Analysis/Discussion

Based on the XVth IH Conference decision, the ToR of the SNPWG was changed from focussing on paper products to the new objective: "develop guidelines for the preparation of Sailing Directions in digital format, compatible with ECDIS." "The WG should keep close liaison with CHRIS (Decision No39)."

The first SNPWG meeting based on the new ToR and objective was held in Monaco in 1999.

Since then, the group has developed a scope of nautical publication content. Based on that scope, development of a data model based on S57 was started.

In the meantime, the TSMAD started to develop a new IHO Universal Hydrographic Data Model named S-100. Introduced early 2010, S-100 has had significant impacts on the SNPWG data model. It now allows the option to extend the set of features by information objects and complex attributes. These new types offer greater flexibility of the model.

The IHO introduced a registry based on S-100 in 2010. Although the status of the SNPWG data model is very stable, the SNPWG features and attributes are not sufficiently populated in the IHO Registry due to missing functionalities. Instead, the SNPWG has stored their relevant features and attributes on the SNPWG wiki.

The HSSC5 has endorsed the intention to develop several product specifications related to nautical publications. Furthermore, the HSSC has assigned specification numbers to the planned product specifications. Those are:

- S-122 Marine Protected Area,
- S-123 Radio Services,
- S-125 Navigational Services,
- S-126 Physical Environment, and
- S-127 Traffic Management.

The S-122 Marine Protected Area Product Specification will be developed as an independent Product Specification. In addition, this Product Specification will become part of the S-127 (Traffic Management). Although it is assumed that an ENC is always present on an ECDIS screen, both product specifications will provide context information which provides a chart layout.

SNPWG teams developing draft data samples for S-123, S-126 and S-127 as the basis for the scheduled Product Specification development. Apart from the S-123 data sample which is considered as relatively stable, the provided drafts of the S-126 und S-127 Product Specifications experienced the first group review and they are constantly improving in both scope and detail.

In parallel, the development of the S-122 and S-123 Product Specifications is making significant progress along the intended time line. The Product Specifications development promoted amendments of the SNPWG data model. These amendments are included in the SNPWG wiki.

Note: FOR REASONS OF ECONOMY, DELEGATES ARE KINDLY REQUESTED TO BRING THEIR OWN COPIES OF THE DOCUMENTS TO THE MEETING

The further development of all Product Specifications depends on the S-100 Ed. 2.0.0 progress. The Ed. 2.0.0 of S-100 is under HSSC consideration and the member state endorsement is scheduled for spring 2015.

Having influenced the S-100 development by proposing various improvements, the SNPWG is continuously contributing support for the next S-100 version. This support will be based on experience made during the respective Product Specification development and the derived demands.

The progress of the Product Specifications development depends on components being delivered by other HSSC technical working groups. The SNPWG is working very closely with these working groups.

For tracking purposes, the SNPWG introduced traceability matrixes for the Product Specification development. The control of these Matrixes belongs to the development teams.

Conclusions

The SNPWG work will have a significant impact on the future presentation of nautical publication content to the mariner. The idea behind SNPWG is that most information would be accessible by ECDIS or systems closely interacting with ECDIS. It was stated that in future ECDIS systems the S-101 ENC will be the basis for the information presentation. Thus, the development of Product Specifications which interact with ENCs is a SNPWG focus.

The introduction of further items to the timeline tool supports the transparency of the group's work.

Recommendations

The SNPWG18 is invited to continue the work and to update the work plan,

Justification and Impacts

Reflecting SNPWG work, HOs might slightly change the provision of current nautical information in both detail and presentation.

Action required of SNPWG18

The SNPWG18 is invited to:

- a. note this paper.