

Paper for consideration by NIPWG 7

Overview of the work status

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| Submitted by: | NIPWG Chair group |
| Executive Summary: | Current work is on track against the HSSC workplan. |
| 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. 3.0.0 and S-100 Ed. 4.0.0 S-122, S-123, S-125, S-126, S-127, S-128 |

Introduction / Background

The NIPWG is a subsidiary of the Hydrographic Services and Standards Committee (HSSC). The work was subject to HSSC approval.

The primary objectives are to develop and maintain guidance, resolutions and specifications in order to provide shipboard users with the necessary and up-to-date information in a timely manner to allow for the planning of a safe route for the intended voyage and the safeguarding of the ship's navigation throughout the voyage.

Current work is on track against the HSSC Work Plan.

Analysis/Discussion**Product Specifications development progress****S-122 (Marine Protected Area) and S-123 (Radio Services)**

The product specifications are ready for use and Hydrographic Offices have been encouraged to develop their first products based on these Product Specifications. The first results will be presented at NIPWG7.

Considering that S-100 compliant ECDIS systems are not available yet, these potential products could only be used in appropriate GIS applications.

S-125 (Navigational Services)

Work on S-125 is on hold. IALA ARM8 offered to support the S-125 development. That could be based on their S-201 development. NIPWG appreciated the IALA offer. However, the further development which depends on the current NIPWG workload and on the prioritisation of work items by HSSC is on hold.

S-126 (Physical Environment)

Following HSSC's advice, the group decided to put the further development of the S-126 (Physical Environment) Product Specification on hold. The status "on hold" remains until new HSSC advice.

NIPWG developed a product specification description which will be used to approach HSSC to determine NIPWG work priority. (NIPWG Letter 6/2019)

S-127 (Traffic Management)

Version 1.0.0 of the product specification has been received HSSC approval and is under the 2/2007 work cycle now. Further developments depend on test bed feedback. It is intended to upgrade S-127 to be S-100 edition 4 compliant.

Parts of the S-127 data model used S-101 components. That is the reason why some comments affect S-101. These comments have been forwarded as a separate submission to the S-101PT for consideration. Currently, these submissions are under S-101PT consideration.

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It is assumed that testing will deliver demand for further product specification improvement. Therefore, the release date for version 2.x.x has been estimated as 2021 at the earliest.

S-128 (Catalogue of Nautical Products)

The work is ongoing. NIPWG feedback has been considered by the KHOA contractor and a new version is available.

An additional use of the S-128 data has been developed. The data can be used to cross check the on board version of products against the latest version issued by the responsible hydrographic office. This can be useful for the Port State Control officers in particular.

S-12x (Harbour Infrastructure)

Hydrographic Offices expressed their interest to initiate the development of a further product specification on Harbour Infrastructure. This initiative has been appreciated by the International Harbour Master Association (IHMA) and they offered to support this development. Their Port Information Guide could be used as reference material. An appropriate NIPWG letter has been issued to seek NIPWG feedback on the drafting of the product specification description. (NIPWG Letter 6/2019)

S-100 contributions

At this stage, NIPWG has no need to propose further amendment to S-100 Edition 4.

If future development of NIPWG product specifications requires an S-100 amendment, this will be addressed in an appropriate format through the established channels.

S-97 (Under development) product specification descriptions

NIPWG letter 6/2018 discussed the set of information needed for a product specification description. The outcome of the discussions has been forwarded to the S-100WG for further consideration. According to the latest information, the NIPWG proposals will be implemented into the next version of S-97.

Architectural display of S-100 related products

The architectural display has been provided to HSSC11. The HSSC feedback and additional comments have been considered in the meantime. The latest version of the file reflects the commonly agreed approach that certain products will be rather used in back-of-bridge applications than in front-of-bridge applications. That, however, will not prevent developers to consider the front-of-bridge implementation if appropriate. (NIPWG Letter 2/2019)

Contribution to S-100 Implementation Strategy

The HSSC invited all HSSC WG to contribute to the S-100 Implementation Strategy draft. NIPWG Letter 3/2019 approached the NIPWG members to provide comments. The responses have been collected, assessed and a consolidated version of NIPWG comments has been provided to the HSSC chair.

Maintain Publication S-12 “Standardization of List of Lights and Fog Signals”

No requests to amend S-12 were raised in 2019. The content provided in S-12 is considered as appropriate and as fit for purpose.

Maintain Publication S-49 “Recommendations concerning Mariners’ Routeing Guides”

The redline version providing the proposed amendments to S-49 has been provided by NIPWG Letter 5/2019. Comments have been considered and the redline version is now ready to be provided to HSSC for approval and further processing according to 2/2007.

Contribution to the IHO Hydrographic Dictionary

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Agreed amendment of definitions for:

1. Underkeel Clearance Management System,
2. "Static" Underkeel Clearance Management System, and
3. "Dynamic" Underkeel Clearance Management System.

have been provided to the Hydrographic Dictionary Working Group (HDWG) for further consideration and implementation into the IHO Hydrographic Dictionary.

NtM XML Development

The latest version of the XML is available on the relevant NIPWG website. The first hydrographic offices implemented the XML into their NtM production process.

HSSC agreed that a second XML workshop should be conducted if enough discussion material has been collected by the hydrographic offices that use the XML.

IMO related work

The NIPWG coordinated the IHO submission of the Maritime Services description under the remit of IHO to the HGDM. The descriptions of the maritime services related to e-navigation have been forwarded to the relevant HSSC WG for further work.

The group continued the monitoring of the development of the IMO e-Navigation strategy.

Justification and Impacts

The results of the product specification development might invite HOs to consider their way of nautical information provision. HOs are invited to start tests to develop S-122, S-123 and S-127 based products based on the released product specifications.

HOs are further invited to test the S-128 product specification if their catalogue information would be sufficiently covered.

Action required of NIPWG7

The NIPWG7 is invited to:

- a. note this paper.