

Paper for consideration by NIPWG 6

Overview of the work status

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 have successfully undergone the Member State approval process. They are ready for use and Hydrographic Offices are encouraged to develop their first products based on these Product Specifications.

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 is invited to consider the IALA offer and to provide feedback to IALA ARM9.

Without the IALA support, the continuation of S-125 development depends on the current NIPWG workload and on the prioritisation of work items by HSSC.

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.

S-127 (Traffic Management)

Version 1.0.0 of the product specification was delivered as scheduled by the end of November 2018. NIPWG was informed of the availability of the product specification files by NIPWG letter 7/2018.

Two NIPWG reviews were conducted during the development process (NIPWG letter 4/2018 refers). Parts of the S-127 data model used S-101 components. That is the reason why some comments affect S-101. These comments will be forwarded as a separate submission to the S-101PT for consideration.

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)

As agreed at NIPWG4, the revised application schema was delivered as scheduled by the end of September 2017. NGA reviewed the schema and provided feedback which is under consideration by the KHOA contractor. The work is ongoing.

S-100 contributions

The NIPWG proposal on incremental updates has been considered by the S-100WG and has been incorporated into S-100 Edition 4.

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

Although the initial NIPWG product specification set was created to provide nautical publication information in future S-100 based ECDIS, discussions show potential use of such products for other users. It is imperative that the description of the intended use of products based on product specification should be described in more detail before the development of a product specification is initiated. The dependency on HSSC endorsement makes this description more urgent as the HSSC expectations and the NIPWG deliverables should match. Seeing the need to provide this information for all product specifications under HSSC remit, the implementation of such a description in S-97 (under development) has been considered as useful.

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.

Feature Catalogue Builder test

S-100 Test Strategy Meeting required that a product specification feature catalogue (FC) should be built based on the S-100 feature catalogue builder (FCB). This was tried with the S-127 FC. A set of issues detected have been collected and provided to the S-100WG for further consideration. An appropriate informative email was sent the NIPWG 3 December 2018.

Supports of HOs survey

NOAA initiated a survey to improve their Coast Pilot performance. NIPWG members were invited to participate. NIPWG letter 5/2018 informed on this survey.

Development of proposals to apply for budget for additional work with special expertise

Based on HSSC8 decision, HSSC WGs were invited to provide potential work item which could be outsourced and which could be supported by IHO budget.

NIPWG5 discussed this invitation and an appropriate NIPWG letter 1/2018 was drafted. The outcome of our list of proposals was that Council 2 accepted two items for 2019 and the third one was postponed for the 2020 list.

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

No requests to amend S-12 were raised in 2018. The content provided in S-12 is considered as appropriate and as fit for purpose.

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

A small team considered the appropriateness of the publication and provided proposals which were discussed by NIPWG letter 5/2018. One result was a proposal jointly developed together with the Underkeel Clearance Management Project Team (S-129PT) on revised definitions for:

1. Underkeel Clearance Management System,

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

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

After agreement, these definitions will be provided to the Hydrographic Dictionary Working Group (HDWG) for further consideration and implementation into the IHO Hydrographic Dictionary.

NtM XML Development

The exchange of NTM chart corrections between HOs was discussed at NIPWG5. The application to conduct a workshop with XML experts was approved by HSSC. This workshop was held in early October 2018. A White paper describing the intention of the results and associated files are on the NIPWG site/ miscellaneous section.

IMO related work

The NIPWG coordinated the IHO submission of the Maritime Services description under IHO remit to the HGDM (Harmonisation Group on Data Modelling). NIPWG Members participated the HGDM meeting October 2018.

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 and S-123 based products based on the released product specifications.

Action required of NIPWG6

The NIPWG6 is invited to:

- a. note this paper.