

Paper for Consideration by S-100WG**S-124 Correspondence Group (S-124CG) Report**

Submitted by:	Chair, S-124 Correspondence Group
Executive Summary:	The development of S-124 continues with improvements to the data model. A full review has been finalized and the comments are being adjudicated. E-Navigation testbeds continue to provide valuable input and the work on the product specification document has started.
Related Documents:	S-124 Product Specification Draft 1.0.2 - Draft9, IALA G1128
Related Projects:	N/A

Introduction / Background

The World-Wide Navigational Warning Service Sub-Committee (WWNWS-SC) has established the S-124 Correspondence Group to develop the next generation navigational warnings to enable integration with bridge systems and shore systems using the S-100 framework. Hydrographic Standards and Services Committee (HSSC) at its 9th meeting invited S-124CG to reinvigorate the liaison with NIPWG and S-100WG (HSSC9/44). This report of the latest activities of S-124CG is in response to that action.

Analysis/Discussion

1. Membership

Since last WWNWS10, we have gained a number of new members. An updated list of members is uploaded to the S-124CG webpage. Please see

https://www.iho.int/srv1/index.php?option=com_content&view=article&id=611&Itemid=850&lang=en

New members include Amund Gjersøe (Kongsberg Norcontrol AS), Elena Maria Gnehm (German hydrographic office/BSH) and Dave Wilson (Maritime New Zealand) replacing Stuart Caie (LINZ).

2. WWNWS10, and Navigational Warnings and Temporary and Preliminary Notices

WWNWS10 clarified that the inclusion of not of Temporary and Preliminary Notices in S-124 is not within the current scope of S-124, and we have therefore removed this concept from the data model and GML schema. The data model that included Temporary and Preliminary Notices was shared with NIPWG, who is developing an NtM exchange format, as an input to their development at a recently held workshop in Genoa (See https://www.iho.int/mtg_docs/com_wg/NIPWG/WorkshopXMLNtM2018/Input%20paper%20on%20NtM%20information%20exchange%20format_final.docx). See Annex A for an updated view of the S-124 data model.

3. Draft S-124 Product Specification

With assistance from Yves LeFranc (SHOM) the S-124 product specification draft has progressed well, and it is now at a stage that the general concepts and ideas can be seen. The draft was therefore sent out to the S-124 membership for their input on October 17 with a review deadline of November 30th. Responses were received from Sweden, Germany, France and New Zealand. Only Sweden provided substantial comments. These comments will be adjudicated and a new version of the S-124 draft product specification developed.

4. E-Navigation Testbeds

The STM-Validation Project has been extended 6 months giving more time to test concepts including the STM version of Navigational Warning service. The SMART Navigation Project continues to support the testing of S-124 and is developing the test cases for additional tests of a full NW service. A team of participants from STM and SMART Navigation meets regularly with the S-124 Chair to coordinate the testing and development of S-124.

5. Technical Service Description

Using IALA G1128 (Specification of e-Navigation Technical Services) Sweden is drafting a technical service description of a Navigational Warning service. They have also reviewed an earlier Danish draft Technical Service Description (IALA ENAV21-9.6) for additional guidance. When finalized the draft should be shared with the Correspondence Group for wider review.

Action Required of S-100WG

The S-100WG is invited to:

- a. note the report