

**Paper for Consideration by NIPWG****Proposal for the Development of S-125PS**

<b>Submitted by:</b>	IALA
<b>Executive Summary:</b>	Proposal by IALA for the Development of S-125PS as a Derivative Product of S-201
<b>Related Documents:</b>	
<b>Related Projects:</b>	

**Introduction / Background**

The IHO's Nautical Information Provisions Working Group (NIPWG) has designated S-125 as the Navigation Services Product Specification (PS) with the intention that it would contain information regarding Aids to Navigation (AtoN). Work on this PS by NIPWG has been halted for various reason. NIPWG has questioned the usefulness of the S-125-PS considering the IALA work on the S-201 ATON-PS. Specifically, the questioned raised is will S-125 still be needed and how would it be different from S-201.

IALA's work on the AtoN S-201-PS originally began in 2011 and is now a mature model and to be released in parallel with IHO S-101 version 1.0. It is envisioned that the S-201-PS will eventually contain, in future releases, all data necessary for an HO to completely encode all required attributes for an AtoN within the S-101 ENC dataset or perform as a standalone data set layer for use by HO's and AtoN Authorities where it is impractical to incorporate the AtoN into the ENC (ex. USA use of the buoy layer ENC for river buoys on their inland river system).

**Analysis/Discussion**

Within IALA it has been envisioned that the S-125-PS would be a derivative of S-201 and be the public facing dataset which would be the digital equivalent of the List of Lights (and indeed an enhanced version of the information currently available in the List of Lights). Additionally, it has been envisioned that the S-125-PS could be expanded to include attributes necessary to digitally populate the portions of the Notice to Mariners which relate to AtoN (e.g. Discrepancies, Proposed Changes, Advance Notice of Changes, and Temporary Changes). In this manner, on board chart updates based on use of Mariners' Objects can be conducted without the necessity of waiting for an amendment of an S-101 ENC by an HO.

**Conclusions**

Therefore, it is proposed that the IALA ARM Committee draft the S-125-PS and submit to NIPWG for its consideration/comment. The development of S-125 would occur with frequent liaison notes back and forth between the two bodies (especially in the requirements identification phase). The final product would be adopted and maintained by NIPWG with routine consultation between IHO and IALA.

**Action Required of NIPWG**

The NIPWG is invited to:

- a. consider this paper.
- b. authorize the drafting of the S-125PS to the IALA S-201 Task Group.