Input paper: [[1]](#footnote-1) ARM8-10.6

Input paper for the following Committee(s): check as appropriate Purpose of paper:

**X** ARM **□** ENG **□** PAP **X** Input

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Agenda item [[2]](#footnote-2) (from agenda) 10

Workplan Task Number2 …………………………………

Working Group WG2

Author(s) / Submitter(s) R. David Lewald

Proposal re S-125 Navigation Services (enhanced List of Lights) Product Specification

# Summary

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 will soon be ready for release. It is envisioned that the S-201-PS will eventually contain 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).

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 L/L). Additionally, it has been envisioned that the S-125-PS could be expanded to include attributes to 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, charts could be amended without rendering an update to the S-101 ENC by the HO.

Therefore, it is proposed that ARM Committee draft the S-125-PS and submit to NIPWG for their 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 & IALA.

## Purpose of the document

This paper is intended to introduce the S-125 Product Specification and its intended use. Additionally, this paper proposes that IALA ARM Committee develop the S-125PS in coordination with IHO NIPWG using the S-201PS as a source PS.

# References

1. IALA, S-201 Product Specification (Draft 0.0.7 – July 2017)
2. IALA, Guideline 1087 Procedures for the Management of the IALA Domains under the IHO GI Registry
3. IALA, Guideline 1088 Introduction to Preparing S-100 Product Specifications
4. IALA, S-201 Product Specification (Draft 0.0.7 – July 2017)

# Action requested of the Committee

The Committee is requested to:

1. Consider this paper.
2. Assign the drafting of S-125 to the S-201 drafting Task Group.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Input papers should be assigned to a work task as listed in the Committee work plan which is available in input papers. Leave open if uncertain but consider how the paper is to be processed if not relevant to a work task [↑](#footnote-ref-2)