Input paper: [[1]](#footnote-1) ARM8-10.7

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

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

**□** ENAV **□** VTS **□** Information

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

Workplan Task Number2 …………………………………

Working Group WG2

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

Status of the S-201 Product Specification Development

# Summary

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).

## Purpose of the document

The purpose of this paper is to provide a status of S-201PS development and to identify keys areas of work needed to be completed before release of version 1.0.

# Background

The work on the S-201PS has been completed to date by a Task Group within the ENAV committee and led by Dr. Nick Ward. Work to date on the S-201PS has resulted in a draft version (ver 0.7) and contains the following:

- Main Document

- Annex A DCEG (Data Classification and Encoding Guide)

- Annex B Data Product Format, Schemas

- Annex C Implementation guideline (Pending)

- Annex D Feature Catalogue

- Annex E Portrayal Catalogue (Ongoing)

- Annex F Application Schema Tables

- Annex G Conversion guideline of S-201 data to S-57 (Ongoing)

- Annex H Data Validation tests

# Discussion

Development of the IHO S-100 Universal Hydrographic Data Mode has progressed to the point that work on the long envisioned future Electronic Navigational Chart (ENC) can be completed within this year. Therefore, it is important that IALA release version 1.0 of the S-201PS to both support and progress this important e-Navigation milestone. It is recommended that the members of the ARM committee review the progress to date of the S-201 development Task Group and decide which remaining work items should be completed and included for release of version 1.0. Additionally, it is recommended that the ARM Committee identify and prioritize work to be contained in future version releases.

# Action requested of the Committee

The Committee is requested to:

1. Consider the recommendations in this paper.
2. Consider continuation of the S-201PS development under the existing Task Group and solicit for additional membership within ARM and ENAV Committees.

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)