

## Paper for Consideration by NIPWG

### Update on the development of S-201 and S-125

<b>Submitted by:</b>	Canadian Coast Guard
<b>Executive Summary:</b>	At its 10 <sup>th</sup> meeting, the IALA ARM Committee approved S-201 for first edition and submitted it for approval at the IALA Council70. S-125 was also discussed at ARM10 and it was agreed to commence the development of the product specification.
<b>Related Documents:</b>	ARM10-3.5 Discussion of S-125 development, ARM10-3.8 Update of S-201 AtoN Product Specification, NIPWG6-35.2, ARM9-10.6.
<b>Related Projects:</b>	IALA S-201, IHO S-125

#### Introduction / Background

IALA has developed the S-201 Aids to Navigation Information product specification for the exchange of Aids to Navigation (AtoN) information. This includes buoys, beacons, racons, lights, sound signals and AIS. The product contains the positions, properties, operational status and general comments related to an AtoN. The main focus of the product specification is to exchange AtoN information between an AtoN authority and its customers, mainly hydrographic offices, and to be a consistent format for AtoN information exchange within AtoN authority organizations. At its 10<sup>th</sup> meeting, the IALA ARM Committee approved S-201 for first edition and submitted it for approval at the IALA Council70.

The S-125 Product Specification, Navigational Services, is intended to be a Digital List of AtoN, and is of special interest to IALA and its member states. Noting that IHO HSSC placed a low priority on its development due to other higher priority work items, IALA ARM proposed to develop a draft for IHO (see NIPWG6-35.2) which was accepted by NIPWG (see ARM9-10.6).

#### Analysis/Discussion

In preparation for the first edition, S-201 was updated to comply with S-100 Ed. 4.0.0. and formatted to comply with the IALA template for developing S-200 product specifications known as G1106-1. The development of the Maritime Resource Name has also been taken into consideration in S-201. Moreover, it was decided to not utilize S-62 producer codes, but rather utilize ISO 3166-1 as country codes in file naming. ARM10 decided to approve S-201 Edition 1.0.0 at the committee level and submit the product specification for approval to the IALA Council70 which meets in December. Several AtoN authorities have made preparations for running test beds, including the United States Coast Guard, the Korean AtoN Authority and the Canadian Coast Guard.

With the finalization of S-201 Edition 1.0.0, the ARM Committee is now shifting its focus to S-125 development. The scope of S-125 was discussed at ARM10 and there was agreement with the scope and development plan noted in the input paper ARM10-3.5, which says, "*S-125 Product Specification is for exchanging AtoN information to end users engaged in navigation. From this purpose it is envisioned that the source of S-125 datasets will be a S-201 compatible AtoN database. The application schema of S-125 can be drafted as sub set of S-201 application schema. This subset would then be extended to include the model elements to facilitate the enhancements needed to support the vision of S-125 that include AtoN information like discrepancies, proposed changes, advance notice of changes and temporary changes, and to facilitate the option of using S-125 datasets as extended List of Lights*". It is expected that S-125 development will be a main topic at ARM11 in the beginning of March 2020.

#### Action Required of NIPWG

The NIPWG is invited to note this paper