



## IALA COUNCIL 63<sup>rd</sup> session



12-16 December 2016  
IALA Headquarters

### 11 – TECHNICAL ACTIVITIES

#### 11.4 – ENAV

##### 11.4.11 – S-200 – Status Report

Note by the Secretariat  
(Nick Ward, Acting IALA Domain Manager)

#### 1. INTRODUCTION

At an early stage in the development of e-navigation, it was recognised that a Common Maritime Data Structure (CMDS) would be required, in order to facilitate error-free data exchange between all stakeholders. It was generally agreed that the IHO geo-spatial information system, standardized in S-100 would be used as the baseline. IALA has established the S-200 domain, in consultation with IHO as a component of the CMDS. This domain uses the range S-201 to S-299 for Product Specifications compliant with the IHO S-100 standard, covering fields within the IALA remit, including Aids to Navigation (AtoN), Vessel Traffic Services (VTS), Positioning Systems and Communication Systems.

#### 2. IALA S-200 STATUS

IALA has worked closely with IHO and other bodies to develop S-100 product specifications within its areas of responsibility, in particular AtoNs and VTS. A supervisory structure (IALA Guideline 1087) has been established within IALA to manage its Domain, which, with the approval of IHO, has been allocated the numbering series S-201 to S-299.

IALA has now applied for Submitting Organization and Domain Control Body status and this has been approved by IHO. Therefore S-200 product specifications can now be registered.

The IALA ENAV Committee oversees this work through the Harmonization Working Group (WG1). IALA Guideline 1106 sets out the process for preparing S-100 product specifications and has been revised and updated as experience has been gained.

Two Product Specifications (S-201 and S-240) are reaching maturity, have been raised to draft status, and posted on the IALA website for further comment prior to approval. Several other specifications are under development or planned. The table in the annex shows the current status of S-200 product specifications.

Comments received on S-240 have been incorporated in the current version (0.0.2).

A further revision (0.0.4) of S-201 has been carried out by a Task Group and reviewed at ENAV 19. The resulting version will be posted on the IALA website for further consideration and development.

#### 3. RECOMMENDATIONS & GUIDELINES

The recommendation on Product Specification Development and Management refers to the 'relevant guidelines'. These are G-1106 on the Development of Product Specifications and G-1087 on the Management of the IALA Domain, both of which were further revised at ENAV 19.

#### 4. TEST BED / DEMONSTRATION



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A demonstration is planned to test specification S-201 for data exchange between a Lighthouse Authority (Trinity House on behalf of IALA) and a Hydrographic Office (UKHO). This demonstration is now expected to be carried out early in 2017. The resulting report will be an input to ENAV 20 and may form a deliverable of the EfficienSea 2 Project.

#### **5. THE COUNCIL IS INVITED TO**

**Note** the information provided.



## ANNEX 1

PS No.	Title	Developer	Field Manager	Status
S-201	Aids to Navigation Information	KRISO/Jeppesen/USCG	N Ward <a href="mailto:nick.ward@glarrnav.org">nick.ward@glarrnav.org</a>	Draft 0.0.4 reviewed for posting on the website
S-210	Inter VTS Exchange Format	VTS WG2	-	Pending changes to S-100 to allow for data streaming applications
S-230	Application Specific Messages	e-NAV WG1	-	No current work
S-240	DGNSS Station Almanac	KRISO for e-NAV WG5	-	Posted on IALA website for review
S-245	eLoran ASF Data	KRISO	-	Under development
S-246	eLoran Station Almanac	KRISO	-	Under development
S-247	Differential eLoran reference station almanac	KRISO	-	Under development