

Paper for consideration by S-100 WG

IALA report

Submitted by:	Eivind Mong – IALA representative
Executive Summary:	This paper is an update of IALA activities that could be of interest for the S-100WG. The paper is largely based on the S-200 Status Report (enav18_9_9_s200_status_report.docx) for IALA eNAV18.
Related Documents:	S-100
Related Projects:	S-100

1 Introduction/Background

IALA is establishing the S-200 domain, in consultation with IHO. 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. Moreover, this report highlights IALA items that can be of interest to S-100WG. These items are related to IALA developments in the areas of the e-Navigation framework, Maritime Service Portfolios (MSPs) and regular aids to navigation business.

2 Most Relevant IALA Activities

2.1 IALA S-200 domain

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.

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 under review, with the intention of raising them to draft status, posting them on the IALA website for comment prior to approval. Several other specifications are under development or planned.

PS No.	Title	Developer	Field Manager	Status
S-201	Aids to Navigation Information	KRISO/Jeppesen/USCG for e-NAV WG1	N Ward nick.ward@gla-rnav.org	Draft completed for review
S-210	Inter VTS Exchange Format	VTS WG2	R Hoogendoorn rene.hogendoorn@hitt.nl	Under development
S-	Application Specific	e-NAV WG1	-	No current work

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S-240	DGNSS Station Almanac	KRISO for e-NAV WG5	Y Cho cho@iala-aism.org	Draft completed for review
S-245	eLoran ASF Data	KRISO	P Williams paul.williams@glarrnav.org	Under development
S-246	eLoran Station Almanac	-	P Williams paul.williams@glarrnav.org	Planned
S-247	Differential eLoran reference station almanac	-	P Williams paul.williams@glarrnav.org	Planned

2.2 Streaming data

An inter-sessional meeting was recently hosted by Rijkswaterstaat where a change proposal on streaming data for S-100 was drafted. The proposal contains a framework for setting up streaming data, specifically Session Oriented Services, along with a matrix of proposals for changing wording throughout S-100 to remove dataset only limitations in several places throughout the document. The documents have been submitted to IALA eNAV18 where they will be discussed and if approved these will likely be forwarded to IHB shortly.

2.3 Maritime Resource Name (MRN)

At eNAV17, a sub group of WG1 met and drafted a guideline for a unique identifier system based on URN, called Maritime Resource Name. The draft guideline was endorsed by eNAV17 and sent with a liaison note to the IALA Policy Advisory Panel (PAP) for endorsement. A conclusion on the proposal is still pending. The draft guideline can be reviewed in the document eNAV17_14_1_5.

2.4 Portrayal of sector lights

A submission by Norwegian Coastal Administration (NCA) to IALA ARM3 (Aids to Navigation Requirements and Management) on limitations in how light sectors are portrayed in S-52/S-57 ECDIS, has highlighted some potential issues and limitations with the current portrayal rules that should be considered in the development of S-100 ECDIS. A separate presentation to S-100WG1 by NCA will further explain the issue.

3 Actions Requested

The S-100WG is invited to:

- Note this report
- Comment as needed

