



Hydrographic Services and Standards Committee

IALA Activities affecting HSSC

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Topics

- ✦ Introduction
- ✦ Current ENAV activities relevant to HSSC



Introduction

- ✦ IALA is the International Association of Marine Aids to Navigation and Lighthouse Authorities.
- ✦ IALA is an international technical association with 77 National Members, 111 Industry Members and 49 Associate Members.
- ✦ IALA encourages its members to work together in a common effort to harmonize aids to navigation worldwide and to ensure that the movements of vessels are safe, expeditious and cost effective while protecting the environment.
- ✦ The IALA ENAV committee is responsible for a range of activities relating to the implementation of e-navigation.
- ✦ Of particular interest to IHO, the IALA ENAV committee is responsible for the management of the IALA domain of the IHO Geospatial Information (GI) Registry.



Current ENAV WG1 activities relevant to HSSC

- ✦ The ENAV committee meets twice a year
- ✦ Among its five working groups (WGs), WG1 (Harmonization) is of particular relevance to HSSC, as it is responsible for (see Terms of Reference of ENAV WG1 at Annex 1 of this report to HSSC):
 - The harmonisation of e-navigation principles
 - The development of guidelines to support IALA membership in the development of product specifications (PS) within the IALA S-200 domain



Review/Agreement S-201 at ENAV 19

- ✦ A drafting group was formed to progress work on S-201
- ✦ The group reviewed comments received inter-sessionally on S-201 and agreed most of the proposed changes, which will be incorporated in version 0.0.4 to be posted on the IALA website after the ENAV 19 meeting for further consideration
- ✦ Some questions arose during the discussion, which can best be answered by members of the IALA ARM Committee. These questions will be formulated as a Liaison Note for consideration at ENAV 20.
 - Liaison Notes were drafted in response to the inputs from ARM on S-201 and Portrayal of Sector Lights.



Unique Identifiers for Maritime Resource/Procedure for MRN

- ✦ The WG1 identified the input papers addressing specific aspects of managing identities are appropriate
- ✦ Nevertheless, broader understanding of maritime resource naming (MRN) is needed
- ✦ The WG1 proposes a correspondence group (CG) under the lead of DMA (Thomas Christensen) to find harmonized approaches for MRN
- ✦ Participants are welcomed.



Procedures for the Management of the IALA Domain under the IHO GI Registry – part 1

- ✦ WG1 studied the comments from council and the report from the Lisbon Workshop on shore based maritime services from theory to practical use.
- ✦ Amendments were made to documents to include the comments made by council. Some comments needed some further explanation:
 - Regarding some comments about the focus of the guideline and broadening the scope of it:
 - IALA is a domain owner and responsible for the registers in the registry within its domain
 - The guideline was intended to give guidance on domain manager responsibilities and explain the procedures for intended users of the registries within the IALA domain
 - These procedures were derived from IHO's S99
 - As a part of the domains management and procedure the domains manager will interact with IHO and other domain owners. Harmonisation on a broader scale than within the scope of the registry is within the realm of the IHO-IMO HGDM were IALA would take part in



Procedures for the Management of the IALA Domain under the IHO GI Registry – part 2

✦ Explanation of terminologies:

- It was the intention of the committee to keep the focus on the management procedure and keep the explanation of the IHO GI registry to a minimum. The different registers are extensively described in IHO S-100 standard. For the convenience of the IALA Members, Guideline 1106 was developed to give a more detailed description of the registers related to the foreseen development of PS.

✦ Regarding the comment related to the technical issues:

- The guideline 1106 was amended to reflect the intended audiences for the guidelines.

✦ The updated IALA Guidelines are to be revised by IALA members to ENAV 20.



The Maritime Cloud

- ✦ The submitters of the input paper introduced the concepts of the Maritime Cloud (MC) to the plenary
- ✦ The input paper about the Maritime Cloud Conceptual Model was indicated as outdated but provided for reference
- ✦ The WG1 appreciated the work done on the MC. The WG discusses which partitions of the MC has to be handled by IALA and discussed whether IALA should have coordinating role which implies addressing other bodies also
- ✦ The WG proposed to set up a roadmap to identify which partitions of the MC are the appropriate to which international bodies such as IMO, IALA, IHO, ITU-T and W3C
- ✦ The WG1 sees potential of the Service Registry (SR) to handle technical services in context of the MSPs
- ✦ It suggests the sponsors of the provided documents to rework the document on the SR and to resubmit it as an input paper to ENAV20.



S-100 Streamable Data Appendix

- ✦ Request from IHO S100WG to explain IALA proposal about a new Appendix for Streaming within S-100
 - The IHO S100WG sought further clarification for the need and role of streamable data and has invited an IALA representative to attend the next IHO S100WG meeting to present and discuss the proposal.
 - Andre Bolles will attend the next S100WG meeting as representative of IALA ENAV WG1.



Action requested of HSSC

HSSC is invited to:

- ✦ Note for information the S-200 work within IALA
- ✦ Note opportunity to attend the IALA workshop related to S-20X PS
- ✦ Note the need of IALA to develop S-100 to support data streaming
- ✦ Advise IALA on plans to make the recommended changes

