Input paper: [[1]](#footnote-1) ENAV20-9.27

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

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

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

Agenda item [[2]](#footnote-2) (from agenda) 9

Workplan Task Number / Technical Domain 2 …………………………………

Working Group WG 1

Author(s) / Submitter(s) Axel Hahn

WG1 ENAV20 work program

# Summary

This paper provides a list of work that needs to be considered by WG1 (Harmonisation) during ENAV20.

## Purpose of the document

WG1 is required to ensure that all items mentioned in this document are suitably addressed, such that their status can be appropriately reported in the ENAV20 WG1 report.

## Related documents

Specific papers for input and reference are listed in section 2.3 below.

# Work Programme

## Task Register

WG1 is responsible for the following tasks

1. WG1 Tasks in the ENAV Task Register

|  |  |  |  |
| --- | --- | --- | --- |
| **Task Number** | **Title/Subject** | **Target state by end of ENAV20** | **Work required** |
| 1.1.1. | Review and update NAVGUIDE Chapter 4, section 4.5.2 -4.5.5 | No progress | The document is under review development WG 2 |
| 1.3.1. | Revise Guideline 1106 and 1087 | Approved | Review and Acknowledge Input papers 9.15, 9.16, 9.17 |
| 1.3.2 | Amend S-100 for Service Orientation | Follow discussion on S100WG | none |
| 4.3.3 | Risk assessment and management plan | Updated Working Document | Update Working Document |
| 5.1.8. | Develop Recommendation on Common Shore based System Architecture | Recognized | Input for Maritime Architecture Framework |

## Actions from ENAV19

The following actions are addressing WG1.

1. Actions relating to the work of WG1

|  |  |  |  |
| --- | --- | --- | --- |
| **Action number** | **Subject** | **Status** | **Notes** |
| 9 | The IALA Secretariat is requested to submit ENAV19-9.6 as an input document to ENAV20. | Input document 9.5 | Postponed ENAV19 to be updated. Cyber Security Aspects to be added. |
| 14 | The Secretariat is requested to appoint Sewoong Oh from KRISO as an IALA representative to attend the March 2017 meeting of S100WG of IHO in order to explain the need and role of streamable data in context S100. | Andre Bolles OFFIS and Sewoong Oh are attending the S100WG in parallel to ENAV20 |  |
| 46 | Thomas Christensen is requested to coordinate intersessional work on Maritime Resource Naming (MRN) with the aim of the IALA Secretariat submitting an application for an IALA MRN URN Domain Name to the Internet Engineering Task Force. | Input Paper provided | Coordination of 9.9 Addition of Maritime Resource Names (MRN) into S-101 and S-201 and 9.22 Maritime Resource Name MRN |
| 48 | Fred Pot is requested to coordinate intersessional work on data exchange for ship reporting in relation to MSP development and provide input to ENAV20. | Input Documents 12.3 and 12.4.x |  |
| 49 | The Maritime Cloud Development Forum (MCDF) is requested to provide an updated version of the Maritime Cloud Service Registry to ENAV20. | There are numerous contribution as potential guidelines 9.19-26 |  |
| 50 | The MCDF is invited to draw up a roadmap to identify which partitions of the Maritime Cloud are appropriate to which international bodies and provide as input to ENAV20. | open |  |
| 51 | Axel Hahn is requested to submit a conceptual description of a generic maritime architecture framework to ENAV20. | A draft and call for conbtribution is submitted as 9.14. |  |
| 59 | The chairs of WG1 and WG4 are requested to forward the results on the discussion on paper ENAV19-12.6 to the Secretariat. | IALA supported the HGDM which will meet 16th of October |  |

## Papers submitted to ENAV20 (as of 2017-03-03)

Papers in grey are covered in tasks/actions above.

1. Papers relevant to the work of WG1

|  |  |  |  |
| --- | --- | --- | --- |
| **Paper** | **Subject** | **Outcome required** | **Notes** |
| 4.4.2 | (C63-8.4.1.1) IALA Standard 1010 AtoN Planning & Service Requirements draft | Reviewed |  |
| 4.4.3 | (C63-8.4.1.2) IALA Standard 1020 AtoN Design and Delivery draft | Reviewed |  |
| 4.4.4 | (C63-8.4.1.3) IALA Standard 1030 Radionavigation Services draft | Reviewed |  |
| 4.4.5 | (C63-8.4.1.4) IALA Standard 1040 Vessel Traffic Services draft | Reviewed |  |
| 4.4.6 | (C63-8.4.1.5) IALA Standard 1050 Training and Certification draft | Reviewed |  |
| 4.4.7 | (C63-8.4.1.6) IALA Standard 1060 Digital Communication Technologies draft. | Reviewed |  |
| 4.4.8 | (C63-8.4.1.7) IALA Standard 1070 Information Services draft | Reviewed |  |
| 4.7 | (PAP33-12.1) Position on the Development of AtoN Services | Reviewed and comment |  |
| 6.5 | S-200 status report | Recognized |  |
| 6.5.1 | Presentaton S-200 status report | Recognized |  |
| 9.1 | Guidelines on Cyber Security onboard Ships version 1-1 Feb2016 | Integrated in 9.5 | Work was postponed from ENAV19 |
| 9.2 | (ENAV19-9.6) WG1 Draft Risk Assessment Plan | n.a. | Original Document s. 9.5 |
| 9.3 | (ENAV19-14.1.7) draft IALA Guidline 1087 | Revised | s. 9.15, 9.16, 9.17 |
| 9.4 | (ENAV19-14.1.8) draft IALA Guidline 1106 | Revised | s. 9.15, 9.16, 9.17 |
| 9.5 | (ENAV19-14.2.10) Draft Risk Assessment Plan | Working Document to be Revised | This is work left from ENAV19 |
| 9.8 | (ARM5-12.1.9) Liaison to ENAV on amends to S-201 products-1 | Note the points made by the ARM Committee and rectify S-201, or discuss accordingly. | The ARM Committee would welcome the opportunity for a joint S-201 meeting (ARM6). |
| 9.8.1 | (ARM5-12.1.10) S-201 Product Specification - draft 0 0 4 arm5 day2 | Noted | Adopt in S201 |
| 9.8.2 | (ARM5-12.1.11) S-201 Product Specification - draft 0.0.1 Annex A DCEG\_rev5 arm5 gt day2. | Noted | Adopt in S201 |
| 9.8.3 | (ARM5-12.1.12) S-201 Product Specification - draft 0.0.1 Annex D.1 Feature Catalogue\_mb edits | Noted | Adopt in S201 |
| 9.9 | Addition of Maritime Resource Names (MRN) into S-101 and S-201 | Noted | Adopt in S201 |
| 9.9.1 | S-125 draft data model - S100 - Data model extension ANNEX\_B | Noted | Adopt in S201 |
| 9.10 | Coordination of the data model between S-101 and S-201 and addition of data needed for the List of Lights into S-201 | Noted | Adopt in S201 |
| 9.10.1 | Data model extension ANNEX\_A - Light information UML model for the LoL | Noted | Adopt in S201 |
| 9,11 | ENAV20-9.11 IALA Recommendation eNAV-147 Ed.1 Product Specification Development and Management May2015 reformatted rev4 | Adopted |  |
| 9,12 | Revision 0.0.6 of S-201 overview | Recognized |  |
| 9.12.1 | S-201 overview | Reviewed |  |
| 9,13 | Progress report on S-412, A Weather Overlay Product Specification for ECDIS | Noted |  |
| 9,14 | A common architecture framework for the maritime domain | Recognized | Call for contribution for eNAV 21 submisssion |
| 9,15 | Comment re draft Guidelines 1087 and 1106 v1 | Recognized |  |
| 9,16 | (C62-11.4.3.1) draft Guideline 1087 24-02-17 | Approved |  |
| 9,17 | (C62-11.4.4.1) Draft Guideline 1106-0 24-02-17 | Approved |  |
| 9,18 | Ref IHO Circular Letter 15/2017 - Call for approval of a new ed of IHO S-100 | Recognized |  |
| 9.18.1 | IHO Circular Letter 15-2017, 10 Feb 2017. Call for approval of a new ed of IHO S-100 | Noted | Apply for further product specifications |
| 9.19 | Input paper - Maritime Cloud conceptual model | Reviewed |  |
| 9.20 | NW-NM Maritime Cloud service specification example | Reviewed |  |
| 9.21 | MC Maritime Messaging Service | Reviewed |  |
| 9.22 | Maritime Resource Name MRN | Reviewed |  |
| 9.23 | Draft Guideline on e-Navigation Technical Services Documentation | Reviewed |  |
| 9.24 | Service Design Description Template | Reviewed |  |
| 9.25 | Service Instance Description Template | Reviewed |  |
| 9.26 | Service Specification Template | Reviewed |  |
| 12.3 | Input paper on the Draft IALA Guideline for MSP8 Vessel Shore Reporting v1.2 | Reviewed | Joint discussion with WP4 |
| 12.4 | Draft IALA Guideline on MSP8 Vessel Shore Reporting v3.1 | Reviewed | Joint discussion with WP4 |
| 12.4.1 | Annex 1 VSRS Draft S-2XX Product Specifications - Ship Report Template V1.1 | Reviewed | Joint discussion with WP4 |
| 12.4.2 | Annex 1 VSRS Draft S-2XX Product Specifications - CMDS Sources for Ship Report Types | Reviewed | Joint discussion with WP4 |
| 12.4.3 | Annex 1 VSRS Draft S-2XX Product Specifications - CMDS v1.1 | Reviewed | Joint discussion with WP4 |
| 12.4.4 | Annex 1 VSRS Draft S-2XX Product Specifications - Ship Reporting Data Model Attribute Specification v2.0.1Complete | Reviewed | Joint discussion with WP4 |

# proposed work plan

The following activities need to be addressed. These will largely be considered within WG1 as a whole, but with need of sub working groups on specific documents.

## Review of Work Plan

Referencing Documents: all

The actual Workplan will reviewed and adopted.

## Review Guideline 1010-1070

Referencing Documents: 4.4.2 – 4.4.8

The mentioned documents have to the reviewed.

## Position Document on AtoN Services

Referencing Documents: 4.7

Review and Acknowledge the documents

## Guideline on MSP 8

Referencing Documents: 12.12 and 12.13.X

This topic is address in a joint WG1 and WG4 meeting scheduled Tuesday 2017-03-14 10:45. Fred Pot will participate remotely.

## Guidelines 1087, 1106

Referencing Documents: 9.3. 9.4 (output documents of ENAV19, 9.15,9.16, 9.17 as input paper for ENAV20

After mayor concerns by the Norwegian delegation on the Council, Norway adopted Guideline 1087 and 1106 as input document for ENAV20 for approval.

## Data Models Liaison with ARM

Referencing Documents: 9.8, 9.8.x

Note the points made by the ARM Committee and rectify S-201, or discuss accordingly (9.8, 9.8.x). The ARM Committee would welcome the opportunity for a joint S-201 meeting (ARM6). WG 1 has to identify a delegate.

## MRN

Referencing Documents: 9.9, 9.9.x,

MRN (9.9) IALA ENAV and S100WG are invited to note the paper, discuss the use of MRN for AtoN within S-101 and S-201 respectively and to include MRN into the respective product specifications.

IALA ENAV is invited to discuss, whether the MRN scheme requires further guidelines for assigning national unique identifiers (national AtoN numbers). Please remark also the input paper 9.22 on Maritime Resource Name MRN.

## Coordination of the data model between S-101 and S-201 and addition of data needed for the List of Lights into S-201

Referencing Documents: 9.10, 9.10.x

S-100WG and IALA ENAV Committee are invited:

* to note the paper
* to discuss the feasibility of coordinating development of the data models in order to remove the small differences between them.
* to discuss the feasibility of using a super type that would encompass the shared data contained within both the S-101 and S-201.

IALA ENAV Committee is invited:

* to review S-125 draft data model and consider extending the S-201 to include information needed to produce related Nautical publications
* to discuss whether S-201 is eventually going to be developed towards an ECDIS- compatible PS.
* to notify NIPWG of the outcome of above tasks.

## eNAV-147 Ed.1 Product Specification

Referencing Documents: 9.11

Compare e-NAV-142 with the draft in 9.11. They should have the same wording but perhaps arranged slightly differently. We should look through the annex and pick out anything that could be moved to the Recommendation. For example move second and third para in A1 to Noting, A1.1 could be moved to Considering (and perhaps shortened), delete A1.2. Keep the wording concise and crisp. Delete the remainder of the annex and submit it as an output paper for approval.

## S 201 AtoN Product Specification

Referencing Documents: 9.12, 9.12.1

Note the Documents and provide comments. The Aids to Navigation (AtoN) Information Product Specification provides a common structure for the exchange of information about AtoNs. 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 Product Specification can be used to exchange AtoN information in a consistent form between Lighthouse Authorities, Hydrographic Offices and other organizations, including commercial and professional agencies.

## S-412, A Weather Overlay Product Specification for Electronic Chart Display and Information Systems (ECDIS)

Referencing Documents: 9.13,

IALA is invited to:

* Note the progress being made in the development of this particular S-100 overlay product specification;
* Provide recommendations that may be helpful in developing S-412; and
* Support JCOMM/ETMSS S-412 activities

## Approval of new Ed of IHO S-100

Referencing Documents: 9.18, 9.18.1

The Committee is invited to consider this note and the associated IHO documents, when discussing the IALA S-200 specifications

## Maritime Architecture Framework

Referencing Documents: 9.14

The document represents an intermediate state. Please provide input to the authors for submitting an input document on ENAV21.

## Maritime Cloud

Referencing Documents: 9.19, 9.21, 9.22, 9.23, 9.24, 9.25, 9.26

The MCDF intent to produce an IALA Guidline for the Maritime Cloud componentens. The Mentioned documents have to be reviewed and potentially approved.

## Risk Management Plan

Referencing Documents: 9.1., 9.2, 9.3

The work on the RMP was postponed from ENAV19. No further input made for ENAV20. The study from BIMCO (document 9.1) has to be integrated.

# Time Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Time** | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| AM  Start 0900 | Chairman’s meeting  Start 0900 | Workplan and Input Paper Reviews | Sub Working Groups on Documents | Review Of Output Documents | PLENARY  Review of output papers |
| 1030 - 1100 | BREAK | ***Committee Photograph*** | BREAK | BREAK | BREAK |
| AM | Meeting of Chairs &  Vice Chairs  Ends 1200 | Joint WG 1 and WG 4 meeting on Topic 3.4 | Sub Working Groups on Documents | Final Report | PLENARY  Review of output papers  Comments on draft Report |
| 1315-1415 |  | LUNCH | LUNCH | LUNCH  Deadline for WG reports  Deadline for plenary docs from WGs | Close by 1300 |
| 1415-1530 | PLENARY  1300 start | Working Groups | Sub Working Groups on Documents | AOB |  |
| 1530 – 1600 | BREAK | BREAK | BREAK | BREAK |  |
| 1600-1730 | PLENARY | Input Paper Reviews | Sub Working Groups on Documents | PLENARY  Review of output papers |  |
|  |  |  |  | Deadline for WG working papers |  |
| **Evening** | 1930 RER | 1730-1930  Soiree Reception - IALA | 1930 RER | 1930 RER |  |

# Action requested of the Committee

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)