PInput paper: [[1]](#footnote-1) ENAV22-3.1.8

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) Agenda for WG1

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

Working Group WG 1…………………………

Author(s) / Submitter(s) Axel Hahn

WG1 ENAV22 work program Digital Information Systems

# Summary

This paper provides a list of work that needs to be considered by WG1 (Digital Information Systems) during ENAV22.

## 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 ENAV22 WG1 report.

## Related documents

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

# Work Programme

## Task Register

WG1 was responsible for the following tasks / the updated task register was not provided

1. WG1 Tasks in the ENAV Task Register

|  |  |  |  |
| --- | --- | --- | --- |
| **Task Number** | **Title/Subject** | **Target state by end of ENAV21** | **Work required** |
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## Actions

The following actions are addressing WG1.

1. Actions relating to the work of WG1

|  |  |  |  |
| --- | --- | --- | --- |
| **Action number** | **Subject** | **Status** | **Notes** |
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## 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** |
| 8.0 | rev.1 Draft Terms of Reference for WG1 | Review and adopt if required |  |
| 8.1.1 | Report on S-100WG3 for IALA (WG1) |  | Unclear Authorship |
| 8.1.2 | ARM Input to ENAV on S-201 |  |  |
| 8.1.3 | S-211 Context Input pap | Acknowledge this document  Consider the content of this document, as seen appropriate. | PortCDM shall be seen as a Technical Services and its recommended to apply the Specification of Technical Services. The definition of the S100 PS will be handled by ARM Committee in the future |
| 8.1.4 | Research Progress on SMART-Navigation product specification | Note |  |
| 8.2.1 | Draft IALA Guidelines on MSPs v20\_sept 10. |  |  |
| 8.2.2 | Input paper ENAV Committee on Guideline for MS | The ENAV committee is invited to recognize and include the expected contribution from IHO, WMO, IALA VTS and IMPA in the Guidelines.  The ENAV Committee is requested to continue to develop maritime services relevant to its work and to contribute to the documentation of MSs that do not have recognised international coordinating bodies.  The ENAV Committee is requested to submit as an input paper to the second meeting of the IMO/IHO Harmonisation Group on Data Modelling (29 Oct to 2 Nov), the amended version of the guidelines. | Cover letter for 8.2.1.-8.2.6 |
| 8.2.3 | Draft IALA Guidelines on MSPs v19 23august 2018 |  |  |
| 8.2.4 | Annex 1 MS 1 Information Service Template |  |  |
| 8.2.5 | Annex 2 MSP 2 Navigational Assistance Service Template |  |  |
| 8.2.6 | WG1 Annex 3 Draft MSP 3Traffic Organisation Service Template 170321 |  |  |
| 8.2.7 | update G1128 | Approve |  |
| 8.2.8 | Service Integrity MCP IALA Input | Note |  |
| 8.2.9 | Proposal to Support Instant Messaging Data Exchange Pattern in The e-Navigation Technical Service Specification | Approve Adopt G1128 | To be discussed with 8.2.7 |

# 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 as introduced by this document will reviewed and adopted.

## Review of the Terms of Reference

Referencing Documents: ENAV 22-8.0

This document has to be reviewed by the working group.

## Report on IHO S-100EG3

Referencing Documents: 8.1.1

ENAV22 reviewed a comprehensive document about the S-100WG3 meeting in Singapore April 2018. IHO has undertaken a complete redevelopment of the GI Registry to address issues found during testing of the first Proposal from IALA to include a new part on Online Communication (S-100WG3-4.7, S-100WG3-4.7.1, S-100WG3-4.7.2 and S-100WG3-4.7.3) was accepted buts needs more clarification. The Online Communication concept will become Part 14 of S-100 Edition 4.0.0.

Actions: NN shall attend the next S-100WG3 Meeting in Copenhagen to provide further explanations.

## S-211 Port Call Message Format

Referencing Documents: ENAV 22-8.3

The input paper intended to provide the committee with the necessary context of the development of the S-211 draft from the perspective of the PortCDM Council. It explained the development to date, the reason for the submission to IALA and the usage of the standard as foundation of the PortCDM concept. It also explained the role of the International PortCDM Council, who was the submitter.

Actions: Forward the document to ARM for notification

## SMART Navigation Project

Referencing Documents: ENAV 22-8.4

The Republic of Korea decided to use SMART-Navigation as the name of the Korean e-navigation test bed project, which investigates exchange of data between ship and shore for SMART-Navigation services that adhere to the S-100 standard. The SMART-Navigation product specification is developed as message-level product standard rather than developing a product-specific product standard. The committee noted the report.

Actions: ./.

## Maritime Services

Referencing Documents: ENAV 22-8.2.1, ENAV 22-8.2.2, ENAV 22-8.2.3, ENAV 22-8.2.4, ENAV 22-8.2.5, ENAV 22-8.2.6

The ENAV committee recognized the contribution from IHO, WMO, IALA VTS and IMPA in the Guidelines.

Actions: IALA is requested to submit the amended version of the guidelines as an input paper to the second meeting of the IMO/IHO Harmonisation Group on Data Modelling (29 Oct to 2 Nov),

Output Document: ENAV 22-X.X.X

## Guideline on Specification of Technical Services 1128

Referencing Documents: ENAV 22-8.2.7, ENAV 22-8-2.9

The committee adopted G1128 – ‘The Specification of e-Navigation Technical Services’: The changes are:

* All drawings are remade using Enterprice Architect
* Figure 6: Added [0..1] to CoverageArea => geometryAsWKT
  + This corrects an error in the previous version
* Figure 6: Changed URL to Endpoint
  + This change is in order to embrace services that are not web-services
* Table 3: Changed Row "URL" to "Endpoint", slightly adjustment of the description text
  + Same as above
* Annex C (ServiceInstanceSchema.xsd): Changed 2x URL to Endpoint, changed multiplicities of coversAreas, coversArea, unLoCode, geometryAsWKT
  + This reflects the above changes in the xsd
* Introduction: A note on EU General Data Protection Regulation (GDPR).
* Introduction of the Instant Messaging Data Exchange Pattern

Actions: Secretary is requested to submit the output document to council for approval.

Output Document: ENAV 22-X.X.X

## Service Integrity MCP

Referencing Documents: ENAV 22-8.2.8

The input document motivates the need for authenticity and integrity checking of technical e-Navigation Services based on IALA Guideline 1128. Ensuring authenticity and integrity is the basis for the establishment of trust within the involved actors such as service provider and service consumer. The committee noted the input paper.

Actions: ./.

# Time Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Time** | **Monday 08-10** | **Tuesday 09-10** | **Wednesday 10-10** | **Thursday 11-10** | **Friday 12-10** |
| 0900 - 1030 | **ENAV22**  Chairman’s meeting | **Working Groups**  WG1 Digital Information system  WG2 Digital Communication System  WG3 Emerging Digital Technology | **Working Groups**  continued | **Working Groups**  continued | **PLENARY**  Review output papers |
| 1030 - 1100 | Break | ***Committee Photograph***  Break | Break | Break | Break |
| 1100 - 1300 | **ENAV22**  Chairman’s meeting  continued | **Working Groups**  continued | **Working Groups**  continued | **Working Groups**  Continued  ***Deadline for afternoon plenary documents*** | **PLENARY**  Review of output papers  Comments on draft Report  Closing ENAV22 |
|  | 1200 – 1300 Lunch |  |  |  |  |
| 1300 - 1400 | **ENAV22 PLENARY**  1300 start | Lunch | Lunch | Lunch |  |
| 1400 - 1530 |  | **Working Groups**  continued | **Working Groups**  continued | **Working Groups**  Continued |  |
| 1530 – 1600 | Break | Break | Break | Break |  |
| 1600-1730 | **ENAV22 PLENARY**  continued | **Working Groups**  continued | **Working Groups**  continued | **PLENARY**  Review output papers  ***Deadline for WG report inputs and WG Working Papers*** |  |
|  |  |  |  |  |  |
| 1730 |  | BYO Reception - IALA |  |  |  |

# Action requested of the Committee

Adopt this WP for the ENAV 22 WG1.

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)