6th IHO - IALA Technical Cooperation Meeting

26 November 2021, Virtual meeting

Attendees: Omar Frits Eriksson, Jeff Wootton, Abri Kampfer, Yong Baek, Dave Lewald, Minsu Jeon, Eivind Mong, Sewoong Oh, Phil Day, Guttorm Tomren

Apologies: None

# Introductions

The 6th Session of the IHO IALA Technical Cooperation meeting was held virtually on 26 November 2021.

# Adoption of Agenda

The proposed agenda was agreed upon by the group (see annex A).

# Opening thoughts

## IALA

Omar Frits Eriksson welcomed and thanked all participants for their attendance. During this introduction, he updated the group on the work of IALA and emphasized that the importance of harmonizing the implementation of the regional and national e-navigation project on a global scale.

## IHO

Abri Kampfer (AK) also expressed his thanks to all participants and underlined the work undertaken in IHO facilitating general acceptance of S-100 during the challenges of COVID-19 over the last two years.

# Review of minutes and action items from the last meeting

Minsu Jeon (MJ) presented the minutes of the previous 5th joint technical cooperation meeting. He informed that six of the Action Items had been closed, but two items are still pending for implementation in IALA, and they will be discussed in IALA in due course.

* *TCM5 AI 3: IALA finishes the working list of definitions of Aids to Navigation, including PNT and VTS, and discusses them with IHO to harmonise.*
* *TCM5 AI 5: IALA to consider consolidating the three FDD domains into one and apply for more Submitting Organisation IDs for the registry.*

The draft 5th meeting minutes and actions were approved without amendment.

# S-100 and S-200 updates

## S-100 PS general updates

Yong Baek briefed the participants on the IHO’s S-100 based PS release status. Following the IHO HSSC and Council meeting in June and October 2021 respectively, the S-100 roadmap has been adjusted and is available on the IHO website. The S-100 Edition 5 which will be discussed at the next S-100WG6 meeting will contain revisions of Part 2 Registry, Part 4 Metadata, Part 9 Portrayal and new Part 16 Interoperability, in addition to an update with some of the minor proposals. This meeting will be held as a hybrid type meeting at the IHO Secretariat, Monaco, 10 to 14 January 2022.

## IHO GI registry

Jeff Wootton (JW) gave a brief update on the new GI registry 3.1. The review of S-100 part 2 and S-99 has continued, in order to resolve the inconsistencies between the standards and the new version of the IHO GI Registry.

JW has received approximately 350 new Concept proposals of S-124 and the list of proposals has been distributed to the Domain Control Body (DCB) including IALA. Many of the proposals are related to Marine Aids to Navigation and IALA will circulate this to their committee chairs and relevant working group leads to ensure compliance with the specified timeframe of 60 days.

S-99 defines the procedure for approval of the DCB, and JW would welcome any questions regarding this.

S-124 is for the creation of navigational warnings, and it was noted that there would be more proposals to be submitted to the Registry shortly. The discussion on the operational aspect of S-124 will continue in the S-124 Working Group.

Action item 1: IALA to evaluate the new proposals of S-124 concepts and respond to the GI registry within the 60 days deadline.

## S-127 Marine Traffic Management

Eivind Mong (EM), chair of S-127 work in IHO, explained the work of S-127, which is still in its test stage. Canadian Coast Guide (CCG) is testing the data of the country fitting for S-127. It is anticipated that the group could report back to the IHO NIPWG next year.

## S-131 Marine harbour infrastructure

The S-131 Task Group in IHO NIPWG completed work on drafting the S-131 data model, and its contractor is developing the product specification; the draft might be ready in early 2022 for review.

AK and EM introduced the IHO-Singapore Innovation and Technology Laboratory (IHO Lab), which aims to improve the communication between ports and terminal operators. The group is drafting phase 2 of the project description to the IHO Lab for initiating the project in 2022.

More information can be found at <https://iho.int/en/iho-singapore-lab>.

## S-124 Navigational Warning

A lot of work has been undertaken on the product specification. The group completed the warning types, feature catalogue, and the first edition, S-124, is ready for real testing of the PS.

## S-200 IALA

MJ updated the developments of the S-200 product specifications by IALA during the second half of 2021. The IALA ENG Committee has finished S-245 and S-236 and has uploaded them for testing. Figure 1 summarizes the recent developments in the S-200 product specifications.

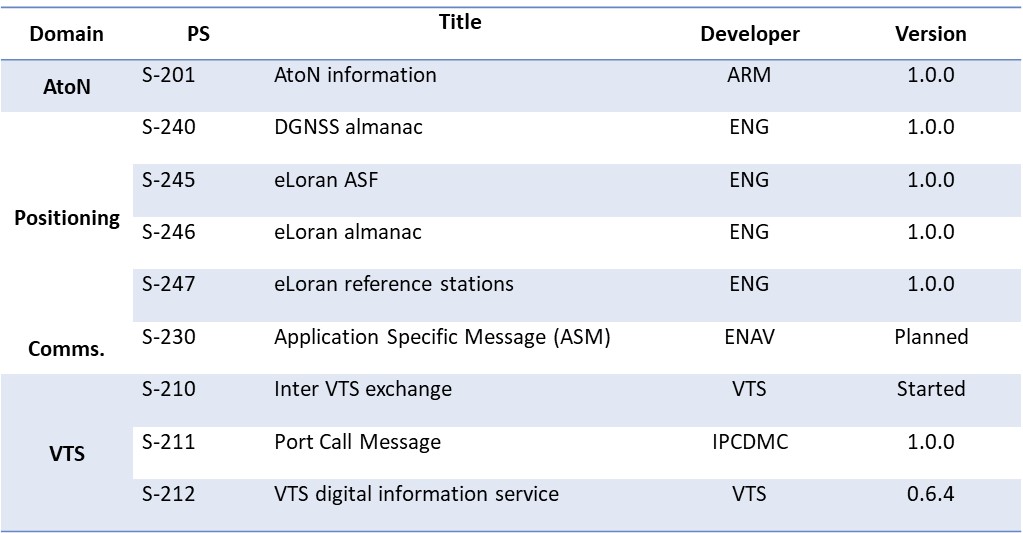


Figure 1 S-200 developments summary

## S-125 Marine navigational service

Sewoong Oh updated the group on the work on S-125. The IALA ARM Committee continued the work and discussed which data of S-201 would be used in S-125 as the public-facing PS. The group also prepared a liaison note to NIPWG on the development and vision.

## S-201 AtoN

Since its first release of S-201 in 2019, Canada and Korea are continuing the test of the PS, including modification of AtoN information systems data fitting to the S-201 model.

The S-201 working group defined some of the new feature types, such as mooring components. The new documents and model package will be prepared for the next ARM meeting.

New symbols for new features and concepts should be discussed at the next ARM meeting.

# Cooperation

## IHO-IALA joint workshop

The joint workshop was originally meant to be held in 2020, but due to the COVID situation, the group agreed to postpone the event a further year to 2022. The group are still hopeful of hosting this event physically, and the Steering Committee for this event will meet in January 2022.

The date of the event, 13 -17 June 2022, looks tentatively reasonable.

Action item 2: IALA to send out a poll for the date and time of the virtual Steering Committee meeting in Jan 2022.

## IMO matters\_STCW

Phil Day briefed that ARM was aware that among the mariners, how to interact with Marine Aids to Navigation, including VTS, is an issue. If the STCW referenced IALA guidance, it could keep the training material updated and in accordance with contemporary international standards.

IHO is planning to submit to IMO NCSR a proposal for amendments on the ECDIS performance standards to include S-100 PS. HSSC is active on this and created a drafting group. There will be a workshop on this, and the outcome will be a mature draft document for amending ECDIS performance standards (MSC232.82). This will also be an opportunity to look at training documents, and IHO will share the final draft with the members.

Action item 3: IHO update and inform on the ECDIS performance standards document with all members when it is ready.

## IMO matters\_Effort for AIS AtoNs

Eivind Mong briefed the group on the work of ARM on AIS AtoN information. Currently, it is not certain of the utilization and the situation where mariners may use the AIS AtoN information. Therefore, ARM prepared a questionnaire on this and hoped the result could give a good view on the use of the data. The task group would like to prepare a paper to IMO suggesting that the optional link of AIS with radar should be made mandatory. This will have some implications on the ECDIS performance as the presentation of the AIS on ECDIS is mandatory.

# Any other business

## MRN

Dave Lewald informed the group that the guidance is ready, and it is in the standards implementation phase.

It is noted that ARM have completed a draft guideline on the management of MRN organisation Identifiers, and IALA will share it with IHO when the document is approved in December 2021 at the IALA Council.

Action item 4: IALA to share the new guideline on the management of MRN organisation identifiers when it is approved by the council.

## Next meeting

It was an excellent opportunity and necessary to work together between the two organizations in developing PS and related topics and developments. The dates and times for the next meetings are summarized as below:

**Joint workshop**

The Steering Committee meeting for the IHO IALA joint S-100/200 workshop will be held on Monday 31 January 2022 at 12:00 UTC. S-100WG chair should be invited to join the next meeting.

Action item 5 IALA to send out the invitation for the SC meeting for the IHO IALA joint workshop on S-100/200 on Monday 31 January 2022 at 12:00 UTC and invite S-100WG chair to the meeting.

**IALA Portrayal meeting**

IALA will have a meeting to harmonize the portrayal of the different committees.

**IHO-IALA TC 7**

*T*he next meeting, IHO-IALA TC 7, could be held in June 2022, just before the joint workshop to finalize the arrangements etc. The date and time would be confirmed in due course.

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**List of Action items**

Action item 1: IALA to evaluate the new proposals of S-124 concepts and respond to the GI registry within the 60 days deadline.

Action item 2: IALA to send out a poll for the date and time of the virtual Steering Committee meeting in Jan 2022.

Action item 3: IHO update and inform on the ECDIS performance standards document with all members when it is ready.

Action item 4: IALA to share the new guideline on the management of MRN organisation identifiers when it is approved by the council.

Action item 5 IALA to send out the invitation for the SC meeting for the IHO IALA joint workshop on S-100/200 on Monday 31 January 2022 at 12:00 UTC and invite S-100WG chair to the meeting.

1. 6th IHO-IALA Coordination Meeting agenda

|  |  |  |
| --- | --- | --- |
| **Time (UTC)** | **Subject** |  |
| **10:00** | **Opening** |  |
|  | Introductions |  |
|  | Adoption of agenda |  |
|  | Opening Thoughts (IALA) |  |
|  | Opening Thoughts (IHO) |  |
|  | Review of minutes and action items from the last meeting |  |
|  | **S-100/200 updates** |  |
|  | S-100 general   1. S-100 in general 2. GI registry    * DCB and SO |  |
|  | PS development updates   1. S-127 Traffic management 2. S-131 3. S-124 4. S-200 in general 5. S-125 6. S-201    * Proposals on terms/definitions of AtoN    * Portrayal (new symbols and SVG)    * Testbed |  |
|  | **Cooperation** |  |
|  | IHO IALA joint workshop (postponed) |  |
|  | IMO related   * STCW * Effort for AIS AtoNs |  |
|  | **Any other and closing** |  |
|  | MRN |  |
|  | Date and venue next meeting |  |
|  | Adjourn |  |