3rd IHO IALA Technical Cooperation Meeting,

16 Oct 2019, IALA HQ

Participants: IALA: Omar Frits Eriksson, Tony Pharaoh, Dave Lewald, Minsu Jeon, Phil Day, Eivind Mong, Sewoong Oh

1. Opening remarks – IALA

Omar welcomed all the participants remarking the importance of the Technical Service of the Maritime Service.

2. Opening remarks – IHO

Tony expressed his appreciation for IALA in organizing this meeting. It is his first ARM meeting in IALA, and it was a good opportunity to see the work status of S-201 PS and related works.

3. Adoption of Agenda

The proposed agenda was agreed. [Annex1]

4. Review of minutes and action items from the last meeting

Minsu went through the report of the 2nd meeting. All the action items were completed or keeping in track. Few points noted were;

- Tony informed that the interoperability and testing of S-100 on the website has been updated.

5. Charting requirements for new combinations of fixed and flashing lights in Ed 4 E-110

The update on the IALA Recommendation E-110 on Rhythmic characters of lights on Aids to Navigation was recognised by IHO. Currently, IHO INT1 captures a fixed and flashing light, but not any other combination. IALA will inform IHO when there is any update which could affect hydrographic works such as revision of light characteristics and etc.

6. Update on the Registry

Tony gave an brief update on the various PS developments and informed that new GI registry will be opened in this year.

The data model of S-100 consists the feature, attribute and enumerations. Regarding S-201, it has been identified that some of them are duplicated, as the AtoN data definitions of S-57/S-101 ENC follow S-32, S-57 UOC and UKHO, but IALA has own definitions.

During registration of S-201, the two definitions should be compared, and agreed between two organizations. For this, a spread sheet should be formulated comparing the feature data. ARM S-201 TG leader, Dr Oh, could develop this paper and it will be discussed during next meeting.

7. Update on relevant IHO PS

Tony briefed the IHO's S-100 based PS release status.

- S-100 Edition 4.0.0 → Edition 5.0.0 (Ongoing)
- S-102 Edition 2.0.0
- S-121 Edition 1.0.0
- S-129 Edition 1.0.0
- S-97 Guidebook for S-100 Development
- S-98 Interoperability Specification
- S-100 Test Bed Development

8. Discussion regarding proposal for S-125

The group was of the view that S-125 will be a public facing PS when S-201 could be used for data exchange between the AtoN Competent Authority and Hydrographic Office.

9. S-100 future editions

Tony informed that a group of SG, Chair of Council and Chair of relevant Committee agreed a S-100 Decade Roadmap for 2020 - 2030, and shared S-101 ENC standard development plans.
The current version S-100 is 4.0, and S-100 WG is updating the model and 5.0 version will be published in 2020. IALA requested IHO to include IALA in the distribution list when issuing a release note on the update, then IALA secretariat will bring it to the relevant Committees.

10. Update on S-200

Minsu gave a brief update on the development of S-200 series. ARM Committee finished the S-201 version 1.0.0 in Oct 2019, and KRISO has been testing this PS using the testbed. ARM requested the members to send feedback to the next meeting.

Regarding VTS domain S-200 development, S-211 has been finished registering on the GI. VTS 47 has drafted the first VTS originated PS and titled as S-212 VTS Digital information service.

11. Discussion regarding MRN

MRN was discussed during the ARM WG2, refer to the working paper ARM10-13.3.7 DRAFT_1143 Ed.2 Unique Identifiers for Maritime Resources_EMLG edits.

12. IHO IALA joint workshop

Date and venue for this workshop has been discussed. This event will take a place in Norway on the first or second week of June 2020. The group agreed to have a first steering committee meeting by teleconference.

13. Technical service G1128

The group recognized the development of G1128.

14. IMO related

IMO FAL Experts Group on Data Harmonization (EGDH) invited two organizations for the first meeting. IHO had submitted an input on update on IHO S-100 Standard development activities.

Minsu informed that IALA liaised with the chair of EGDH and asked him to make a request from the meeting regarding IALA data elements. At this meeting, IALA will be presented by Dave Lewald.

15. Any other business

There was no any other business

16. Conclusions on cooperation between IHO and IALA

It was a good opportunity and necessary to work together between two organizations in developing PS and MRN. Tony underlined that PS developments are moving from theoretical to practical. And he introduced the update on IHO Secretariat next year, therefore, IHO will be presented by successor of Tony for the next meeting.

Omar thanked all participants for a very useful meeting.

17. Next meeting

IALA ARM would be a good chance for the next meeting, but ARM 11 will be held in Argentina, the 4th IHO/IALA technical cooperation meeting would take place during ENAV Committee 16 – 20 Mar 2020.

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[Annex 1]

3rd IHO-IALA Coordination Meeting
16 Oct 2019, IALA HQ

Time	Subject	Leader
09:00	Introductions	All
	Adoption of agenda	All
	Opening Thoughts (IALA)	IALA
	Opening Thoughts (IHO)	IHO
	Review of minutes and action items from 2nd meeting	
	Charting requirements for new combinations of fixed and flashing lights in Ed 4 of E-110	IHO
	Update on the Registry - Definitions on features on AtoN	IHO
	Update on relevant IHO Product Specifications	IHO
	Discussion regarding proposal for S-125	
	S-100 - future editions	IHO
	Update on S-200 - S-201 Test Bed - Update on S-211 - New PS S-212	IALA
	Discussion regarding MRN	
	IHO IALA joint workshop	
	Technical service G1128	IALA
	IMO related - FAL EGDH (4 – 8 Nov 2019)	
	Any other business	
	Closing Thoughts (IHO)	IHO
	Closing Thoughts (IALA)	IALA
	Date and venue next meeting	
	Adjourn	