

IALA COUNCIL 63rd session



12-16 December 2016
IALA HQ

11 – IALA TECHNICAL ACTIVITIES

11.1 – ARM

11.1.1 – Summary report of the 5th session of the ARM Committee

Note by the Secretariat

1. REPORT OF THE 5TH SESSION OF THE IALA ATON REQUIREMENTS AND MANAGEMENT (ARM5)

The 5th meeting of the AtoN Requirements and Management Committee (ARM5) was held from 23 to 28 October 2016 at the Best Western Premier Seoul Garden Hotel, Seoul, Republic of Korea back to back with the workshop on AIS AtoN (real and virtual) developments and their uses.

The session was attended by 48 participants from 20 countries, of which 31 were National Members. Nine members attended for the first time.

The arrangements made by the hosts Ministry of Oceans and Fisheries and the Korea Association of Aids to Navigation for ARM5 and the preceding workshop have been second to none. We have had excellent facilities, food, technical tour (canal cruise to inspect Gyeong-in Ara Waterway) and committee dinner during the week. A large number of Association staff were involved before and during the events.

The Committee would like to thank the Ministry for hosting and sponsoring the events and KAAN for their organisation and facilitating the two events. The very kind hospitality together with the efforts from so many staff to make both weeks a success, was really appreciated.

2. WORK CARRIED OUT

The ARM Committee considered 47 input papers and produced 14 output papers of three Working Groups.

3. GENERAL REMARKS:

- There is a clear need to ensure portrayal of Aids to Navigation in current and future ENC is considered further by IHO and the provision of AtoN is not undermined by how it is portrayed on ENC. Following a presentation on S-201 by an ENAV representative at ARM5 it became clear that the S-201 only covers the data sets to describe an AtoN but does not cover how it will be portrayed. This aspect is covered by the IHO rules for portrayal. In addition during the ARM/ENAV workshop on AIS it was clearly identified, as a workshop conclusion, that portrayal was an issue that IALA and IHO must liaise on. The Committee believes that IALA involvement at IHO is equally important as IMO and ITU.

For IALA to influence the portrayal rules attendance is necessary at S-100 and ENC working groups and HSSC meetings (HSSC9 is 6-10 November 2017 in Ottawa, Canada). Guttorm Tomren of Norway has volunteered to represent IALA at the ENC and S-100 working groups for which IALA accreditation is required. Guttorm has previously represented Norway and a clear distinction in this new role is required. The ARM Committee believes the HSSC meetings would be best attended by the SG or DSG.



- At the Joint ARM/ENAV workshop on AIS held in Seoul a clear conclusion was that there is significant benefit in joint meetings to share knowledge and understanding. This was also evident in the joint VTS/ENAV meeting in Kuala Lumpur. In discussions at ARM5 with the working group Chairs, ENG Vice chair and WWA Dean it became evident there was a desire for a more joint working approach.

The Committee proposed that:

1. The 2018-2022 work programme is a period of consolidation with committees to varying degrees concentrating on revision of existing documentation and only work on new or progressing areas of importance.
2. The committees are re structured to balance numbers and technical domain.
3. The working between committees is encouraged by:
 - The restructured committees meet in April/May and Oct/Nov.
 - A series of no/low cost inter-session meeting opportunities timetabled well ahead in the IALA calendar for inter-committee working group meetings on areas of common interest.

The following are initial ideas for 2018-2022 work items across committees:

1. Review documentation identified in mapping exercise for update ,to align with the new document structure
2. Liaise with other committees on development work on VDES, S-201 etc.
3. Review and update recommendation and guidance on simulation in AtoN planning to include fast time simulation and other developments.
4. Liaise with IHO regarding the portrayal of AtoN in S-57 and S-100 ENC.
5. Create Recommendation and Guidelines on the portrayal of AtoN
6. Dependant on committee structure undertake workshops, at low/no cost, with other committees
7. Environmental issues and concerns.
8. Consider the impact of autonomous vessels on AtoN provision and services.
9. Consider the requirement for Cyber security in AtoN and associated services.
10. Risk (to be further expanded)
11. Maritime connectivity (to be further expanded)
12. Training (provide guidance for navigation officer)

4. KEY OUTCOMES FROM THE SESSION INCLUDE:

- Completion of a new Recommendation on Accreditation of Training Organisations.

The following liaison notes were prepared:

- To Council to approve the Recommendation on Accreditation of Training Organisations.
- To the Secretary General and Deputy Secretary General on:
 - Discussion regarding Recommendations and Guidelines.
 - Proposal on future committee structure and work programme.
 - Proposed 2018-2022 work items.
- To the ENAV, VTS and ENG Committee on:
 - Mobile AtoN.
 - Reminder of the NAVGUIDE update.
- To the ENAV Committee on the S-100 Product Specification.
- To the ENG Committee on the update of Recommendation E-106 on Retroreflecting Materials.

The Committee noted the response of the USCG regarding Intellectual Property Rights of the PAWSA model which was developed by the George Washington University, Institute for Crisis, Disaster, and Risk Management. It was noted that there are no proprietary rights or copyright limitations with the model. Organizations and member states are free to use and modify the PAWSA model in any way they feel is appropriate for their particular port or waterway.



5. WORK PLAN

The overall status of the ARM Committee 2014-2018 Work Programme after ARM5 is as follows:

The overall status of the IALA Committee 2017-2018 Work Programme after ARM5 is as follows:								
Task		Start Session	Planned End Session	Revised End Session	Progress Indicator			Status Overview
					Green	Yellow	Red	
TD#1 – Requirements for AtoN systems								
1.1.1	Contribute to standards generated by Secretariat	4	7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.1.2	Workshop on AIS AtoN (real and virtual)	2	4	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initiated ARM2 Completed ARM5
1.1.3	Guideline on the marking of wrecks as defined by the Nairobi Wreck Convention	4	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.1.4	Guideline on the use of pictograms on AtoN	3	5	7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commenced ARM3
1.1.5					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Task merged with 1.1.4 ARM3
1.1.6	Guideline on the use of mobile AtoN	4	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.2.1	Populate S-100 as requested by ENAV Committee	1	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commenced ARM1
TD#2 – Management for AtoN services								
2.1.1	Develop guidance for AtoN authorities on disaster recovery	1	4	56	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commenced ARM1
2.1.2	Contribute to standards generated by Secretariat	4	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.1.3	Consider guidance for authorities on the use of enavigation services	4	7		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stopped due to ENAV progression
2.5.1	Develop guidance on the management of AtoN in environmentally protected areas	2	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commenced ARM2
TD#3 – Marine Spatial Planning								
3.1.1	Develop guidance for AtoN authorities on the use of Marine Spatial Planning	1	4	56	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commenced ARM1
3.4.1	Oversee development of Risk Management Toolbox	4	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New task ARM4 WG3
3.4.2	Develop guidance on PAWSA	4	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New task ARM4 WG3
3.4.3	Develop guidance on SQUART	4	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New task ARM4 WG3
3.4.4	Develop guidance on use of IWRAP	5	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New task ARM4 WG3
3.4.5	Training / workshop / seminar in association with WWA	5	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New task ARM4 WG3
3.4.6	IALANET	5	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New task ARM4 WG3
TD#4 – International coordination and liaison								
4.1.1					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Task cancelled ARM3
4.2.1					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Task cancelled ARM3
4.2.2	Coordinate a limited review of the IALA Navguide to incorporate amended guidelines and recommendations and other necessary updates via wiki	1	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commenced ARM1
4.2.3					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Task cancelled ARM3
4.2.4					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Task cancelled ARM3
4.2.5	Amend IALA dictionary as appropriate including harmonisation of definition of AtoN	1	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Commenced ARM1 Completed ARM5
4.2.6	Map existing ARM documentation to 7 overarching standards	3	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New task ARM3 Commenced ARM3
4.2.7	Rewrite ARM documentation to meet new document structure in conjunction with IALA assistance	3	7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New task ARM3 Commenced ARM3

6. THE COUNCIL IS REQUESTED TO

Note the successful completion of ARM5.