IALA COUNCIL
55th Session

May 27 - 31, 2013
Busan
Republic of Korea

Agenda item 9 – IALA TECHNICAL ACTIVITIES

9.6   ANM

9.6.1   Documents submitted for approval

9.6.1-1   Changes to ANM Work Programme

Note by the Secretariat

Although asking to defer the completion to some Tasks (3, 8, 12 & 15), the latter two Tasks will be worked on at the Application of AtoN within MSP Workshop, which is being held in the week preceding the Council meeting.

The timing of the IALA Questionnaire has now been adjusted to biennial and the IALA Dictionary has been placed as a monitoring item.

The Committee remains confident that it will complete the majority of its Tasks but notes that completion of Task 5 is dependent on the brining into force of IMO Wreck Removal Convention, by which time new technologies may be available.

The changes proposed to the ANM Committee's Work programme are at Annex A.

Action requested of the Council

The Council is requested to consider the changes proposed at Annex A with a view to approval.

ANNEX A   REVISION OF THE ANM WORK PROGRAMME

Approved by the IALA Council – December 2011
(Changes made/suggested at ANM20 are highlighted in green)

The ANM Committee deals with high level management aspects of AtoN. In the work of the Committee, the following general aspects are to be taken into consideration:

- Strategic focus for IALA;

- Harmonized use of Definitions and Terms; and

- Concepts associated with Risk Assessment / Management.

Work Programme 2010 – 2014

Task	Estimated number of sessions	Comments	Strategy element(s)
1 Produce guidance for Aids to Navigation Authorities on the user requirements and practical applications of e-Navigation, from berth to berth.	1 - 7	*ANM take the lead.* *Together with e-NAV & VTS Committees & derived from IMO e-Navigation Strategy.*	*5.6, 5.7, 13.6*
2 Review and update the existing IALA Guideline 1018 to include the impact of advances in e-Navigation on risk control measures	1 - 7	*ANM take the lead.* *Together with the e-NAV, EEP & VTS Committees.*	*5.7, 8.2, 10.7*
3 Develop guidance on the application of maritime surface picture (e.g. AIS traffic data) for analysis in risk assessment and the provision of Aids to Navigation.	2 – 5	*ANM take the lead.* *In conjunction with the e-NAV & VTS Committee.*	*8.2, 10.7, 13.5*
4 Review and update guidance for AtoN Authorities, including Guideline 1062, in the use of Virtual Aids to Navigation assessing their use and contribution to safety of navigation.	1 – 7	*In collaboration with the other committees and the IHO.*	*5.5*
5 Consider the IMO Wreck Removal Convention and its implications for AtoN Authorities and States. Develop a Recommendation for IALA Members including guidance on marking 'floating wreckage', taking into account existing IALA guidance.	1 – 3	*Together with EEP and e-NAV Committees & LAP*	*5.5*

Task	Estimated number of sessions	Comments	Strategy element(s)
6 Co-ordinate a limited review of the IALA NAVGUIDE to incorporate amended Guidelines and Recommendations and other necessary updates.	1 – 7	*In conjunction with other IALA Committees / ad hoc groups.*	
7 Develop guidance on issues derived from revision of the MBS, such as the clarification of auxiliary marks, including examples of those debated during the consultation and drafting process.	4 – 6	***To include the principles of marking harbours / ports, e.g.:*** ***1. Breakwater / Entrance lights, including:*** – when the one breakwater / entrance light may not be opposite the other, but extend further out to sea (as a protruding point) – when should a breakwater light be red / green and when can it be a white light – a long breakwater needs to be marked halfway ***2. Quay / jetty lights, including when lights are required to be on both sides of a jetty*** ***3. Other points of interest*** ***4. Bridge markings*** ***5. Port Traffic Signals*** ***6. Principles of marking inland waterways with a combination of fixed and floating AtoN.***	
8 Produce Quality Management and Training guidance for AtoN services and service providers in an e-Navigation environment, in support of the IALA World-Wide Academy. Review IALA Guideline 1052.	3 – 7	*In conjunction with the other Committees.*	*5.6, 7.1, 10.8, 13.6 18.1*

	Task	Estimated number of sessions	Comments	Strategy element(s)
9	Review and update guidance for AtoN Authorities on level of service and changing user requirement; such as need for landfall lights and unlit AtoN. Review IALA Guideline 1004.	2 – 5	*In conjunction with the EEP Committee.*	*5.4, 5.6, 5.7, 13.6*
10	Develop and update IALA Recommendation O-113 on the Marking of fixed bridges over navigable waters.	1 – 3	*In conjunction with the other Committees.*	
11	Review IALA Recommendation O-104 of 1998, for off station Signals for Major Floating Aids to Navigation and extended to considerations of Buoys of Primary Navigation Significance (BPNS) and so called Superbuoys.	2 – 4		
12	Review IALA Recommendation O-139 on the Marking of Man-made Off-shore structures. a. Marking of off-shore renewable energy installations (OREI) and the minimum distance that OREIs can be positioned from a TSS and / or shipping route b. Synchronisation of lights, sectoring of lights, marking & numbering of individual units within an OREI, exit marks etc.	1 – 6	*Recommendation O-139 was last revised in 2008, ANM recognises that this is a rapidly evolving issue in the competition for sea space and anticipates that the matter will need to be revisited. In conjunction with ICAO.*	
13	Co-operate with the other committees in the project for AtoN Status / information exchange and associated metadata.	3 – 5	*In conjunction with the other Committees and stakeholders. Lead is e-NAV.*	*13.3*
14	Examine the use of Audible Signals as aids to navigation and develop an IALA Guideline on their future.	2 – 4	*Together with the EEP Committee.*	

Task	Estimated number of sessions	Comments	Strategy element(s)
15 Develop a Recommendation for Marine Spatial Planning with emphasis on Navigational safety.	2-6	*Current developments of off shore renewable energy on an unprecedented scale have highlighted that AtoN authorities often do not have an overriding say on the location of Construction at sea. Planning authorities often lack an understanding of navigational safety and shipping issues with emphasis on the natural environment. It is considered necessary to have a Recommendation that can be referred to by planning authorities to assist in correcting this issue.*	*New item from conference recommendation*
16 Review ANM Recommendations & Guidelines for updating	1-7	*To ensure Recommendations & Guidelines remain current ANM will regularly review content.*	
17 Update IALA Guideline 1058 on the use of simulation as a tool for waterway design and AtoN planning	1-2	*Simulation is a fast developing method of cost effective planning/testing prior to AtoN implementation. It has great potential for current off shore renewable developments. The current Guideline needs updating to support the AtoN authority planning activity*	
18 Develop a supplementary Guideline to 1058 providing technical detail for simulator providers and procurers of simulation to ensure appropriate components and quality for AtoN features	2-6	*The supplementary Guideline is seen as providing a better understanding of the potential use of simulation in AtoN planning.*	
19 Review IALA Recommendation O-130 on Categorisation and Availability Objectives for Short Range Aids to Navigation	2-4	*Arising from EEP query about synchronised / sequenced light systems.*	*10.8*
20 Assist in the development of the IALA AtoN metadata Product Specification for the IHO registry	4	*Arising from IALA involvement in the IHO Registry*	*13.3*

	Task	Estimated number of sessions	Comments	Strategy element(s)
21	AT ANM 21 update the IALA Annual Questionnaire for council approval.	1	It has been agreed that the IALA questionnaire will be fixed for the 2014- 2018 work programme to provide a easily comparable data. At ANM21 the questionnaire will be prepared for council approval and launched at conference by ANM.	

Monitoring Items

	Task	Duration	Comment	Strategy element(s)
M1	Risk Management and Risk Models	Continuous		
M2	IALA Questionnaire	Biennial		
M3	Offshore manmade structures (OREI)	Continuous		
M4	Development of e-Navigation within AtoN Authorities	Continuous	In conjunction with M5	
M5	Development of e-Navigation for AtoN users	Continuous	In conjunction with M4	
M6	Development of mobile marine products for AtoN users	Continuous	e.g. Apps, email alerts, charting solutions	
M7	IALA Dictionary	Continuous		

Deferred Items

	Task	No. of sessions	Comment	Strategy element(s)
D1	None at this time			

Aids to Navigation Management Committee Work Plan 2010 - 2014

Task		Session						
		15	16	17	18	19	20	21
1	Produce guidance for Aids to Navigation Authorities on the user requirements and practical applications of e-Navigation, from berth to berth. Complete	X	X	X	X	X	X	X
2	Develop Recommendations on AtoN standards and navigational requirements in risk control measures included in e-Navigation (this would include a revision (or a replacement) of the existing Recommendations and Guideline on risk management). Complete	X	X	X	X	X	X	X
3	Develop guidance on the application of maritime surface picture (e.g. AIS traffic data) for analysis in risk assessment and the provision of Aids to Navigation.		X	X	X	X	X	X
4	Review and update guidance for AtoN Authorities, including Guideline 1062, in the use of Virtual Aids to Navigation assessing their use and contribution to safety of navigation. Complete	X	X	X	X	X	X	X
5	Consider the IMO Wreck Removal Convention and its implications for AtoN Authorities and States. Develop a Recommendation for IALA Members including guidance on marking 'floating wreckage', taking into account existing IALA guidance. Suspended	X	X	X	X			
6	Co-ordinate a limited review of the IALA NAVGUIDE to incorporate amended guidelines and recommendations and other necessary updates.	X	X	X	X	X	X	X
7	Develop guidance on issues derived from revision of the MBS, such as the clarification of auxiliary marks, including examples of those debated during the consultation and drafting process. Complete				X	X	X	
8	Produce Quality Management and Training guidance for AtoN services and service providers in an e-Navigation environment, in support of the IALA World-Wide Academy. Review IALA Guideline 1052.			X	X	X	X	X
9	Review and update guidance for AtoN Authorities on level of service and changing user requirement; such as need for landfall lights and unlit AtoN. Review IALA Guideline 1004. Complete			X	X	X	X	

Task	Session						
	15	16	17	18	19	20	21
10 Develop and update IALA Recommendations O-113 on the Marking of fixed bridges over navigable waters, also considering the marking of overhead power lines. Complete	X	X	X				
11 Review IALA Recommendation O-104 of 1998, for off station Signals for Major Floating Aids to Navigation and extended to considerations of Buoys of Primary Navigation Significance (BPNS) and so called Superbuoys. Complete		X	X	X			
12 Review IALA Recommendation O-139 on the Marking of Man-made Off-shore structures. a. Marking of off-shore renewable energy installations (OREI) and the minimum distance that OREIs can be positioned from a TSS and / or shipping route b. Synchronisation of lights, sectoring of lights, marking & numbering of individual units within an OREI, exit marks etc.	X	X	X	X	X	X	X
13 Co-operate with the other committees in the project for AtoN status / information exchange and associated metadata. Complete			X	X	X		
14 Examine the use of Audible Signals as aids to navigation and develop an IALA Guideline on their future. Complete		X	X	X			
15 Develop a Recommendation for Marine Spatial Planning with emphasis on navigational safety.		X	X	X	X	X	X
16 Review ANM Recommendations & Guidelines for updating.	X	X	X	X	X	X	X
17 Develop and update IALA Guideline 1058 on the use of simulation as a tool for waterway design and AtoN planning. Complete	X	X					
18 Develop a supplementary Guideline to 1058 providing technical detail for simulator providers and procurers of simulation to ensure appropriate components and quality for Aton features. Complete		X	X	X	X	X	
19 Review IALA Recommendation O-130 on Categorisation and Availability Objectives for Short Range Aids to Navigation. Complete		X	X	X			

Task	Session						
	15	16	17	18	19	20	21
20 Assist in the development of the IALA AtoN metadata Product Specification for the IHO registry				X	X	X	X
21 At ANM 21 update the IALA Annual Questionnaire for Council approval.							X