

IALA COUNCIL
65th session



12-15 December 2017
IALA Headquarters

8 – STRATEGY AND POLICY

8.2 – Policy Advisory Panel

8.2.4 – Recommendations Plan

8.2.4.1 Policy Advisory Panel work plan for Recommendations

Note by the Secretariat

1. BACKGROUND

The table which follows is the most recent version of the “Recommendations Plan for Standards” now being used by the PAP and by the Committee Chairs as input to their planning for the 2018-2022 Committee work programmes.

2. ACTION REQUESTED

The Council is requested to note the work plan.



Recommendations Plan for Standards

Version 2017-11-06 – Agreed PAP34, reviewed at the subsequent ARM7, edited by the Secretariat 2017-11-17

Indicates **NEW** or amended
Recommendation is required

Indicates action needed, or a new
or amended Guideline, etc.

Standard	Topic area	Reference		Recommendation	Comment
IALA1010 AtoN Planning and Service Requirements	Aids to Navigation planning	R1001	Normative	The Maritime Buoyage System	WP 2018-2022 will review MBS documents
		R0111(E-111)	Normative	Port Traffic Signals	
		R0113(O-113)	Normative	The Marking of Fixed Bridges and Other Structures over Navigable Waters	
		R0139(O-139)	Normative	The Marking of Man-Made Offshore Structures	
		R1010	Informative	The involvement of maritime authorities in Marine Spatial Planning	
	Obligations and regulatory compliance	R1xxx NEW	Informative	The need for a national competent authority for marine aids to navigation and vessel traffic services	<p>New Guideline(s) describing purpose, management, legislation needs, regulation needs, perhaps with examples of legislation and regulation clauses to assist understanding.</p> <p>WWA teaches its students in this area but we have no Recommendation or Guideline. Draft maritime legislation was forwarded to ARM in mid-2017 by WWA. This could form an Annex to the new Guideline. Other items to be included are National register of AtoN (with subject headings), Terms of Reference for AtoN managers and compliance with SOLAS V.13.4 (MSI) as it relates to reporting changes to AtoN.</p>



Standard	Topic area	Reference		Recommendation	Comment
		R1xxx NEW	Normative	The international obligations of competent authorities IMO SOLAS, UNCLOS, EU Directives, etc.	New supporting Guideline detailing references and obligations. <ul style="list-style-type: none"> WWA teaches in this area but we have no Recommendation or Guideline. WWA Vice Dean will produce a detailed list of all subjects that a fully compliant CA should cover. This will be discussed at the pre-Conference forum, then the Vice Dean will produce a draft GL for input to ARM.
	Levels of service	R0130(O-130)	Normative	Categorisation and Availability Objectives for Short Range Aids to Navigation	
	Risk Management	R1002	Normative	Risk Management for Marine Aids to Navigation	<ul style="list-style-type: none"> Guidelines on RAMS (to be completed ARM7) Prepare for future IALA-approved risk analysis software that directly accesses and uses our stored IALANET AIS data The integration of outputs from the 3 risk tools will be considered by the WG in 2018
		R0142(E-142)	Informative	Maritime Data Sharing 'IALA-NET' <ul style="list-style-type: none"> New title "Maritime data sharing for risk assessment and analysis" 	Revise this Recommendation to note the storage and use of historical [AIS and other] data for risk analysis. Guideline(s) on: <ul style="list-style-type: none"> How to connect to IALA net Data format(s)
		R0138(O-138)	Informative	The Use of GIS and Simulation by Aids to Navigation Authorities	Simulation recommendation and associated guidelines will be reviewed in wp 2018-2022
		R1003	Informative	Marine data sharing for Risk assessment analyses	Under development?
		R1009	Informative	Disaster recovery	
		R1015	Normative	Marking of Hazardous Wrecks	Awaiting C65 approval
		R1016	Normative	Mobile AtoN (MAtoN)	Awaiting C65 approval
	Quality management	R0132(O-132)	Normative	Quality Management for Aids to Navigation Authorities	



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Standard	Topic area	Reference		Recommendation	Comment
		R0118(O-118)	Normative	The Recording of Aids to Navigation Positions	
	Virtual marking	R0143(O-143)	Informative	Provision of Virtual Aids to Navigation	Will be updated in WP2018-2022 The current IMO policy is too restrictive. A task to redraft IMO MSC1 Circ1473 for input to MSC may be added.

Standard	Topic area	Reference		Recommendation	Comment
IALA1020 AtoN Design and Delivery	Visual AtoN	R0106 E-106	Normative	The Use of Retroreflecting Material On Aids To Navigation Marks Within The IALA Maritime Buoyage System	
		R0108 E-108	Normative	The Surface Colours used as Visual Signal on Aids to Navigation	Awaiting C65 approval
		R0110 E-110	Normative	The Rhythmic Characters of Lights on Aids to Navigation	
		R0112 E-112	Normative	Leading Lights	Will be updated in WP2018-2022
		R1201 E-200-1	Normative	Marine Signal Lights - Colours	
		R0104 O-104	Normative	Off Station Signals for Major Floating Aids	
	Range and Performance	R0200 E-200-0	Informative	Marine Signal Lights Overview	May be converted into Guideline (There is presently no guidance on how visual range checks of lighted AtoN should be conducted. The WWA has developed a form to do this which could be added as an Annex.)
		R0201 E-200-1	Normative	Marine Signal Lights Colours	Awaiting C65 approval
		R0202 E-200-2	Normative	Marine Signal Lights Calculation, Definition and Notation of Luminous Range	Awaiting C65 approval
		R0203 E-200-3	Normative	Marine Signal Lights Performance	Recommendation to be revised ENG8



Standard	Topic area	Reference		Recommendation	Comment
		R204 E-200-4	Normative	Marine Signal Lights - Determination and Calculation of Effective Intensity	Awaiting C65 approval
		E-200-5		Marine Signal Lights Part 5 - Estimation of the Performance of Optical Apparatus	Will become a Guideline WP2018-2022
		R0109 E-109	Informative	The Calculation of the Range of a Sound Signal	
	Design, Implementation & Maintenance	R0126 A-126	Informative	Use of the AIS Aid to Navigation in Marine Aids to Navigation Service	<ul style="list-style-type: none"> Change title to make clear that it is AIS AtoN Consider to split into Recommendation and Guideline Make sure it is compatible with the new VDES documents below
		Rxxxx	Normative	New recommendation on the responsible design and maintenance of AtoN	
	Floating AtoN	R0107 E-107	Informative	Moorings for Floating Aids to Navigation	
	Environment, Sustainability & Legacy	R1004	Informative	Environmental management in the provision of Marine aids to navigation	
		R1005	Informative	Conserving the built heritage of lighthouses and other aids to navigation	
	Power systems				

Standard	Topic area	Reference		Recommendation	Comment
IALA1030 Radionavigation Services	Satellite positioning and timing	R1xxx NEW	Informative	SBAS augmentation for maritime use	EGNOS, other national WAS, and existing ENAV work to date may inform a Guideline.
	Terrestrial positioning and timing	R1xxx NEW	Informative	Terrestrial radionavigation systems	Supporting Guidelines <ol style="list-style-type: none"> eLoran. (Refer to an RTCM document?) R-Mode operation of MF broadcasting stations



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				Can note the IMO multi-sensor receiver for SOLAS ships (NCSR/MSC)	3. R-Mode use of AIS signals 4. Intelligent radar beacons (racons) 5. Guidelines for the creation or use of other emissions as the need arises, e.g Signals of Opportunity
		R1011	Normative	The performance and monitoring of eLoran services in the frequency band 90-110 kHz	
	RACON & Radar positioning	e-NAV-146		Maintaining Racon Service Capability	<ul style="list-style-type: none"> • Change title • Revision needed. • Becomes Guideline under IALA1030 below
		R1006 R-101	Normative	Marine Radar Beacons (racons)	<ul style="list-style-type: none"> • Check content • E-NAV-146 becomes a Guideline under this Recommendation
	Augmentation services	R0115 R-115	Normative	The Provision Of Maritime Radionavigation Services In The Frequency Band 283.5-315 kHz In Region 1 and 285-325 kHz In Region 2 And 3	
		R0121 R-121	Normative	The Performance and Monitoring of DGNSS Services in the Frequency Band 283.5 - 325 kHz	
		R0150 R-150	Informative	DGNSS service provision upgrade and future use	<ul style="list-style-type: none"> • Does this need revision? • Merge with R-135? • Do we need to mention R-mode here too?
		R-135		The Future of DGNSS	<ul style="list-style-type: none"> • Should be guideline, do not list in standard • Is it still valid? Add R-Mode? • Withdraw this document?
		R-129		GNSS Vulnerability and Mitigation Measures	<ul style="list-style-type: none"> • Becomes a Guideline under IALA1030 above. • Maybe some text from R-129 can inform Recommendation above

Standard	Topic area	Reference		Recommendation	Comment
IALA1040 Vessel Traffic Services	VTS implementation	R0102 V-102	Informative	The application of the 'User Pays' principle to Vessel Traffic Services	
		R0119 V-119	Normative	The Implementation of Vessel Traffic Services	
		R0120	Informative	Vessel Traffic Services in Inland Waters	



		V-120			
	VTS operations	R0127 V-127	Normative	Operational Procedures for Vessel Traffic Services	
	VTS data and information management	R0125 V-125	Normative	The use and presentation of symbology at a VTS centre	
		R1014	Normative	Portrayal of VTS information and data	
	VTS communications	R1012	Normative	VTS Communications	
		R1xxx NEW	Normative	Digital information transfer between ship and shore in VTS operations (Operational aspects)	See IALA1070 for a separate technical Recommendation to cover message format, communications channels, etc. Covers: <ul style="list-style-type: none"> • Maritime safety information (MSPs) • Route information transfer (route exchange) • Other?
	VTS technologies	R0128 V-128	Normative	Operational and Technical Performance of VTS Systems	
	VTS Auditing and assessing	R1013	Normative	Auditing and Assessing Vessel Traffic Services	
	VTS additional services				

Standard	Topic area	Reference		Recommendation	Comment
IALA1050 Training and Certification	Training and assessment	R0141 E-141	Normative	Training and Certification of AtoN Personnel	WWA:- R0101 and R0141 have been produced as mirror-images of each other, as have G1014 and G1100. It would be straightforward to combine these into a single Recommendation and a single Guideline. Awaiting C65 approval
		R0103 V-103	Normative	Training and Certification of VTS Personnel	
	Accreditation, competency, certification and revalidation	R0149 O-149	Normative	Accreditation of Training Organisations	



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	Capacity building				

Standard	Topic area	Reference		Recommendation	Comment
IALA1060 Digital Communication Technologies		R1xxx NEW		<p>Communications channels for [public service] digital information services in coastal areas.</p> <ul style="list-style-type: none"> Single new Recommendation on (free-to-air, non-commercial) communications channels to be used by coastal authorities for digital information transfer between ship and shore in coastal areas Absorb A-123 and A-124? 	<p>Explains/recommends our plan/vision in a single document.</p> <p>Supporting Guidelines would cover</p> <ul style="list-style-type: none"> VDES Including AIS NAVDAT on 500KHz Future possibility of [NAVDAT] on 300KHz Other? <p>Still under consideration by PAP/ENAV. An alternative may be preferable - see IALA1070 below for a separate Recommendation with Guidelines for <u>data models</u> for these channels.</p>
	Wide/Medium bandwidth systems (AIS & VDES)	R1007	Normative	The VHF Data Exchange System (VDES) for shore infrastructure	
		R0123 A-123	Normative	The Provision of Shore Based Automatic Identification System (AIS)	
		R1008 A-124 NEW		The AIS Service	Move recommendation A-124 content to Recommendation R1008 remainder to Guideline(s)
					A-124 APPENDIX 0 to APPENDIX 19 become Guidelines for Recommendation R1008
	Narrow bandwidth systems (NAVDAT, MF beacons)	R1xxx NEW	Normative	NAVDAT for MSI broadcast	<p>Supporting Guideline</p> <ul style="list-style-type: none"> 500KHz Other channels (MF beacons?)
	Harmonised maritime connectivity framework (CMDS) Maritime Internet of Things (Intelligent sensors, AtoN monitoring)	R1xxx NEW	Informative	Maritime Resource Numbering	<ul style="list-style-type: none"> Includes .mrn domain Would apply to Maritime Connectivity Platform (if implemented) and elsewhere in the maritime environment



		R0140 e-NAV-140	Informative	e-Navigation architecture	
		R0148 e-NAV-148	Informative	The need to implement regional e- Navigation solutions based on international standards	<ul style="list-style-type: none"> Do we still need this document? Could this be merged with R0140?
		R1xxx NEW	Informative	Framework for harmonised maritime connectivity	<ul style="list-style-type: none"> Placeholder for the Maritime Connectivity Platform Name, content, need, etc., will become clearer in late 2017 or early 2018 after the E2 workshops

Standard	Topic area	Reference		Recommendation	Comment
IALA1070 Information Services					
	Data models and data encoding (IVEF, S-100, S-200, ASM)	R1xxx NEW	Normative	Data models for digital information services [for VTS and AtoN services] in coastal areas (Technical)	Supporting Guidelines covering data models and their management <ul style="list-style-type: none"> S200 series E-NAV 147 as Guideline Application Specific Messages Route exchange/route transfer Maritime Service Portfolios Time stamps for maritime data
		e-NAV-144	Normative	Harmonized implementation of Application Specific Message (ASM)	Merge into Recommendation and its Guidelines
		R0147 e-NAV-147	Normative	Product Specification Development and Management	Merge into Recommendation and its Guidelines
		R0145 V-145	Normative	The Inter-VTS Exchange Format (IVEF) Service	Split into Recommendation and Guideline
	Data exchange systems (Traffic Information)				
	Terminology, symbology and portrayal				