

ENAV Committee – Work Plan 2014-2018												
Strategy Technical Domain	Task	Expected Output	WG	Session							Status	
				15	16	17	18	19	20	21		
1. TD#1 – Data modelling and message systems												
1.1. AtoN data information structure, exchange, presentation	1.1.1. Review and update NAVGUIDE Chapter 4, section 4.5.2 -4.5.5	Updated NAVGUIDE	1				x	x	x	x	Completed	
	1.1.2. Review and update NAVGUIDE Chapter 4, section 4.1 - 4.7 excluding subsection under 4.5	Updated NAVGUIDE	2				x	x	x	x	Completed	
	1.1.3. Review and update NAVGUIDE Chapter4, section 4.10 - 4.12	Updated NAVUGUIDE	3						x	x	Completed	
	1.1.4. Review and update NAVGUIDE Chapter4, section 4.5.1	Updated NAVGUIDE	4				x	x	x	x	Completed	
	1.1.5. Review and update NAVGUIDE Chapter 4, section 4.8 – 4.9	Updated NAVGUIDE	5				x	x	x	x	Completed	
1.2. S-100 registry and Product Specifications	1.2.1. Develop Product Specification on AtoN Information	Product Specification	1	x	x	x	x	x			Completed	
1.3. S-100 registry – coordination of work by all Committees	1.3.1. Revise Guideline 1106 and 1087	Revised Guideline	1	x	x	x	x				Completed	
	1.3.2. Amend S-100 for Service Orientation	Proposed changes to IHO S-100	1		x	x	x				Completed	
1.4. Message structure for e-Navigation including VDES	1.4.1. Develop Message Structure (Framework) for VDES. Assist in the Development of Message Structure for e-navigation	Message Structure	3				x	x	x	x	Completed, & carryover	
2. td#2 – e-navigation communications												
2.1. VDES, satellite, WRCP	2.1.1. Update the MRCP	Marine Radio Communications Plan	3							x	Completed	
	2.1.2. Develop Recommendation and Guideline on VDES	Recommendation	3	x	x	x	x	x	x		Completed	
	2.1.3. Organise a Workshop on VHF Data Exchange System	Workshop	3		x	x	x				Completed	
2.2. AIS technology	2.2.1. Review IALA Recommendations and Guidelines on AIS and VDES	Revised Recommendations and Guidelines	3	x	x	x	x	x			Completed	
2.3. ASM coordination and web hosting	2.3.1. Manage regional ASM web catalogue	ASM catalogue	3							x	Completed, Secretariat action pends	

ENAV Committee – Work Plan 2014-2018												
Strategy Technical Domain	Task		Expected Output	WG	Session							Status
					15	16	17	18	19	20	21	
2.4. ITU planning and liaison, WRC preparation and national coordination	2.4.1.	Monitor developments in GMDSS and liaise with IMO to coordinate the developments for communication in GMDSS and e-Navigation	Rapporteur reports	3	x	x	x	x	x	x	x	Recurring
	2.4.2.	Develop a timeline for submission of VDES documents to ITU with a view to seeking delegated authority to submit from Council	Timeline plan	3						x		Completed
3. td#3 – shore technical infrastructure												
3.1. Resilient PNT shore services - DGPS, e-Loran, other	3.1.1.	Develop Guidelines on eLoran, including data formats and ASF	Guideline	5	x	x	x	x	x	x		Completed
	3.1.2.	Develop a Product Specification on eLoran data, beacon corrections, and data exchange	Product Specification	5	x	x	x	x	x	x	x	Carryover
	3.1.3.	PNT relevant services & systems that can contribute to Resilient PNT.	Recommendation	5		x	x	x	x	x	x	Carryover
	3.1.4.	Develop a Guideline on high accuracy systems	Guideline	5				x	x	x	x	Completed
	3.1.5.	Develop a Guideline on the use of SBAS	Guideline	5			x	x	x	x	x	Carryover
	<del>3.1.6.</del>	<del>Techniques used for on-board PNT data processing</del>										Withdrawn
	3.1.7.	Update R-121	Recommendation and Guideline	5	x	x						Completed
	3.1.8.	DGNSS Radiobeacon coverage prediction	Guideline	5			x	x	x	x		Completed
	3.1.9.	Monitor developments in GNSS, DGNSS, radar, resilient PNT, e-Pelorus, terrestrial systems, inertial and any other relevant areas etc.	Rapporteur reports	5	x	x	x	x	x	x	x	Recurring
	<del>3.1.10.</del>	<del>Liaise with RTCM on broadcast standards and ITU on M.823</del>	<del>Liaison notes</del>									Withdrawn
	3.1.11.	Liaise with IMO on PNT matters (including revision of Res. A.915)	Liaison notes	5		x	x	x	x	x	x	Recurring
	3.1.12.	Maintain WG relevant Recommendations and Guidelines, e.g. WWRNP, R-135.	Updated version of documents	5		x	x	x	x	x	x	Recurring
	3.1.13.	Liaison with IEC, ITU, CIRM, RTCM and other bodies on PNT matters	Rapporteur reports / Liaison notes	5	x	x	x	x	x	x	x	Recurring

ENAV Committee – Work Plan 2014-2018												
Strategy Technical Domain	Task	Expected Output	WG	Session							Status	
				15	16	17	18	19	20	21		
	3.1.14. Develop a Guideline on the provision and use of marine beacon R-mode	Guideline								x		Carryover
	3.1.15. DGNNS Antenna Efficiency Calculations	Guideline	5							x		Completed
3.2. Virtual AtoN technology	3.2.1. Liaise with ARM re Virtual AtoN	Liaison notes	3	x	x	x	x	x				Completed
3.3.	3.3.1.											
4. td#4 – e-navigation test beds												
4.1. Gather data and information on testbeds	4.1.1. Gather and present information on testbeds (including results) globally	Various forms of reporting	2	x	x	x	x	x	x	x	x	Ongoing
	4.1.2. Maintain a global repository for test-bed results;	Web portal Ownership and hosting	2	x	x	x	x	x	x	x	x	Ongoing
	4.1.3. Encourage testbed project managers to provide information and results to IALA for posting on the website, through a marketing plan to inform and to attract consumers	Communication by IALA Secretariat and website per the Marketing Plan	2	x	x	x	x	x	x	x	x	Ongoing
	4.1.4. Update IALA Guideline 1107 on the reporting of results of e-navigation testbeds	Review guideline	2				x	<				Completed
4.2. Analysis of results of testbeds	4.2.1. Monitor testbed outcomes (lessons learnt) and advise the membership as appropriate	Monitor and communicate	2	x	x	x	x	x	x	x	x	Ongoing
4.3. Assistance to the IALA Membership	4.3.1. Provide guidance to IALA members to formulate the scope and topics of their testbeds	Guidance and Technical cooperation initiatives	2	x	x	x	x	x	x	x	x	Ongoing
	4.3.2. Jointly (with WG 1) develop an IALA Seminar to include e-navigation testbeds in 2016/17	Develop proposal with WG 1/seek Council approval	2		x	x	x	x				Completed
	4.3.3. Risk assessment and management plan	Risk Management Plan	1		x		x		x	x		Ongoing
	4.3.4. Revise and maintain e-Navigation roadmap	Plan and Liaison notes	2		x		x	x				Completed
4.4. Discussion platform	4.4.1.											Withdrawn
4.5. Implementation	4.5.1. Liaise with IMO on e-navigation implementation and related regulatory matters	Liaison notes	2		x	x	x	x			x	Recurring

ENAV Committee – Work Plan 2014-2018												
Strategy Technical Domain	Task	Expected Output	WG	Session							Status	
				15	16	17	18	19	20	21		
	4.5.2. Monitor and analyse the execution of relevant tasks, in particular those in the IMO e-Navigation strategy implementation plan	Liaison notes	2		x	x	x	x		x	Recurring	
	4.5.3. Provide implementation guidance on developments in the e-Navigation domain, in cooperation with other IGO/NGOs	Guidance	2		x	x	x	x		x	Recurring	
	4.5.4. Provide guidance and support to the decision-making process related to the implementation of e-navigation	Guidance	2		x	x	x	x		x	Recurring	
	4.5.5. Support IMO with the future development and implementation of e-navigation and contribute to related tasks	Liaison notes	2		x	x	x	x		x	Recurring	
	4.5.6. Monitor ship board developments in order to provide appropriate e-Navigation services	Rapporteur reports	2		x	x	x	x		x	Recurring w/WG5	
	4.5.7. Inform IALA’s Legal Advisory Panel (LAP) of any apparent legal implications of emerging implementation issues	Liaison notes	2		x	x	x	x	x	x	Ongoing	
4.6. Monitoring of developments nationally and regionally, and effect on competent authorities	4.6.1. Evaluate developments and identify potential impact on authorities	Rapporteur reports									Recurring	
	4.6.2. Provide guidance on the implementation of MSPs and associated infrastructure to IALA membership	Guideline	4					x	x		Completed	
5. td#5 – maritime service portfolios												
5.1. IALA Domains management, data modelling and standardisation. e-Navigation services arising from the Maritime Service Portfolios identified by the IMO Strategy Implementation Plan (SIP).	5.1.1. Develop Guideline/Recommendation on Maritime Service Portfolios	Guideline or Recommendation	4				x	x	x	x	Carryover	
	5.1.2. <b>MSP1</b> VTS Information Service (IS) / Operational User Requirements	Liaison note to WG1	4						x		Differ to VTS	
	<del>5.1.3. <b>MSP2</b> Navigational Assistance Service (NAS) / Operational User Requirements</del>	<del>Liaison note to WG1</del>	4						x		Now part of 5.1.1	
	<del>5.1.4. <b>MSP3</b> Traffic Organization Service (TOS) / Operational User Requirements</del>	<del>Liaison note to WG1</del>	4						x		Now part of 5.1.1	

ENAV Committee – Work Plan 2014-2018												
Strategy Technical Domain	Task	Expected Output	WG	Session							Status	
				15	16	17	18	19	20	21		
	5.1.5. <del>MSP4</del> Local Port Service (LPS) / Operational User Requirements	Liaison note to WG1	4						x		Now part of 5.1.1	
	5.1.6. <del>MSP5</del> Maritime Safety Information (MSI) Service / Operational User Requirements	Liaison note to WG1	4	x	x	x					Now part of 5.1.1	
	5.1.7. <del>MSP6</del> Pilotage Service / Operational User Requirements	Liaison note to WG1	4						x		Now part of 5.1.1	
	5.1.8. <del>MSP7</del> Tugs Service / Operational User Requirements	Liaison note to WG1	4						x		Now part of 5.1.1	
	5.1.9. <del>MSP8</del> Vessel Shore Reporting / Operational User Requirements	Liaison note to WG1	4		x	x					Now part of 5.1.1	
	5.1.10. <del>MSP9</del> Telemedical Maritime Assistance Service / Operational User Requirements	Liaison note to WG1	4						x		Now part of 5.1.1	
	5.1.11. <del>MSP10</del> Maritime Assistance Service (MAS) / Operational User Requirements	Liaison note to WG1	4						x		Now part of 5.1.1	
	5.1.12. <del>MSP11</del> Nautical Chart Service / Operational User Requirements	Liaison note to WG1	4		x						Now part of 5.1.13	
	5.1.13. <del>MSP12</del> Nautical Publications Service / Operational User Requirements	Liaison note to WG1	4			x					Now part of 5.1.1	
	5.1.14. <del>MSP13</del> Ice Navigation Service / Operational User Requirements	Liaison note to WG1	4		x	x					Now part of 5.1.1	
	5.1.15. <del>MSP14</del> Meteorological Information Service / Operational User Requirements	Liaison note to WG1	4						x		Now part of 5.1.1	
	5.1.16. <del>MSP15</del> Real Time Hydrographic and Environmental Information Services / Operational User Requirements	Liaison note to WG1	4		x						Now part of 5.1.1	
	5.1.17. <del>MSP16</del> Search and Rescue (SAR) Service / Operational User Requirements	Liaison note to WG1	4						x		Now part of 5.1.1	
	5.1.18. Develop Recommendation on Common Shore based System Architecture	Recommendation	1					x	x		Completed	

ENAV Committee – Work Plan 2014-2018											
Strategy Technical Domain	Task	Expected Output	WG	Session							Status
				15	16	17	18	19	20	21	
	5.1.19. Advice IALA on appropriate ways forward in contributing to establishing an internationally agreed e-navigation infrastructure and its governance	Information paper Position paper Guideline	1	x	x	x	x	x			Completed
	5.1.20. Organise a Workshop on Shore Based Maritime Services	Workshop	4		x	x	x	x			Completed