

Agenda item 8 – DEVELOPMENT OF AN IALA STRATEGY**8.2 Draft IALA Strategic Vision****8.2.2 Draft IALA Committee Structure 2014-2018****Note by the Secretariat****1. Executive summary**

The Committee Structure which follows is proposed by the Secretariat for the Work Period 2014-2018.

2. Description of proposed Structure

The proposed Committee Structure was prepared by the Secretariat and then discussed and amended during the second Strategy Meeting held at IALA HQ on 21 and 22 October 2013. It has been agreed by PAP members, and is ideal for carrying the first four years of the proposed IALA Strategy, including the priority items for that period.

The Structure retains four Technical Committees. Within each Committee a number of “Technical Domains” have been specified. Each TD describes an area of work and is amplified by a list of work topics.

Some aspects of the Structure include the following.

- ARM Committee focuses on
 - AtoN requirements, with the aim of generating IALA guidance for marking
 - Management of AtoN including levels of service and environment protection
 - Marine Spatial Planning
- ARM will also take on a new role, the tracking and coordination as necessary, of IALA interaction with other international organisations
- This role will also include coordinating the work of all Committees towards re-structuring the IALA publication line to suit the needs of Strategies G1-S1 and G2S1
- ENAV will continue its work, but without a TD focused on operations
 - As e-navigation develops, the ENAV work on Test Beds (Technical Domain #4) will include the operational aspects of e-Navigation
 - The other Technical Domains are concentrated on data modelling, communications, and PNT (Positioning, Navigation, and Timing). These are vital elements of e-Navigation
- The ENG Committee Technical Domains cover: -
 - Light and vision, and AtoN engineering
 - These stem from the origins of IALA and remain vital today

- But with emphasis on short range AtoN
 - Model Courses and similar support for the WWA
 - Civil engineering
- Heritage topics, other than maintenance of older structures still in use as AtoN, do not form part of the Strategy
 - They include preservation of artefacts, branding and promotion, and alternative use of redundant AtoN buildings and sites.
 - They are not included in the work of the ENG Committee, but because of the interest from a number of IALA Members in this non-Strategy work, a separate Forum is proposed
- The IALA Heritage Forum would provide a focus for interested Members to continue the non-Strategic heritage activity
 - IALA would provide meeting facilities at IALA HQ for this Forum to meet
 - The Chair of the ENG Committee would provide oversight of the activity and direction of the Forum
- The VTS Committee is little changed from the previous VTS Committee and retains the same name
 - Its TDs cover Operations, Technology, and Training

3. Detailed Structure

The proposed detailed Committee Structure for 2014-2018 is set out on the following pages.

Action requested of the Council

The Council is requested to **Note** the Draft IALA Committee Structure 2014-2018 which follows, with a view to **Agreeing** it.

IALA Technical Committees 2014-2018 – Committee Structure CS3

Technical Committee #1 – AtoN Requirements and Management (ARM)	
Technical Domain	Work description
TD#1 – Requirements for AtoN systems	
	Requirements for the use of Maritime Buoyage Scheme and other AtoN including AIS , radar, etc. for marking, natural or man-made hazards, giving position information and safe routes to protect safety of life and the environment, including:- Traffic signals, Leading lights and marks, Wreck marking, AtoN for special craft, Use of AIS and Radar AtoN,
	Use of Virtual AtoN
TD#2 – Management of AtoN services	
	Levels of service and Record keeping Availability and reliability criteria Quality management of Aton services
	Contracting Management for environmental protection
TD#3 – Marine Spatial Planning	
	AtoN and VTS in Marine Spatial Planning
	Design of AtoN systems for channels and restricted waterways
	Use of simulation
	Risk management and risk analysis tools – use, and legal aspects
TD#4 – International coordination and liaison	
	Interaction with IMO and other IGOs
	Co-ordinate the revision of IALA products to suit international instruments and national legislation

Technical Committee #2 – e-Navigation (ENAV)	
Technical Domain	Work description
TD#1 – Data modelling and message systems	
	AtoN data information structure, exchange, presentation
	S-100 registry and Product Specifications
	Message structure for e-Nav including VDES
	Maritime Service Portfolios, design and content
TD#2 – e-Navigation communications	
	VDES, satellite, WRCP
	AIS technology
	ASM coordination and web hosting
	ITU planning and liaison, WRC preparation and national coordination
TD#3 – Shore technical infrastructure	
	Resilient PNT shore services - DGPS, e-Loran, other
	Virtual AtoN technology
	Sharing of shore data
TD#4 – e-Navigation test beds	
	Data gathering and analysis
	Participation in and harmonisation of results of test beds
	Harmonisation policy and planning
	Monitoring of developments nationally and regionally, and effect on competent authorities

Technical Committee #3 – AtoN Engineering and Sustainability (ENG)	
Technical Domain	Work description
TD#1 – Light and vision physics	
	Visual perception Conspicuity and the effectiveness of visual signalling Background lighting effects and mitigation Colours in visual signalling Range and performance of visual AtoN
TD#2 – AtoN design and maintenance	
	Buoy and beacon engineering and performance, including power systems, harmonising and interfacing of equipment and systems, and remote monitoring and control Maintenance strategy and techniques Extreme environment AtoN engineering Safety of personnel
	Data modelling for S-100
TD#3 – Global capacity building and training	
	Standards for training and certification of AtoN personnel
	Support for the WWA, including developing and coordinating model courses for AtoN and e-Navigation
TD#4 – Civil engineering and environment	
	Maintenance of AtoN structures
	Protection of the marine environment
	Supervision of the Heritage Forum

Complementary Forum

Heritage Forum	
Technical Domain	Work description
TD#1 – Preservation of structures and artefacts	
	Selection and display of artefacts Maintenance and repair of heritage structures
TD#2 – Ownership, public access	
	Complementary use of historic structures Management of surplus property Branding and promotion

Technical Committee #4 – Vessel Traffic Services (VTS)	
Technical Domain	Work description
TD#1 – Operations	
	VTS operations, service standards, and performance measures
	Inter-VTS operations, interactions with allied and other services
	VTS communications
	Monitoring and evaluating developments in VTS and potential impacts on the recognised framework for VTS
TD#2 – Technology	
	VTS systems technology, Sensors, Presentation
	VTS equipment standards and performance requirements
	Inter-VTS data exchange
TD#3 – VTS training	
	Qualification, training, and certification of VTS personnel
	Accreditation and approval process for VTS training
	Human factors
	VTS training for navigating officers
	Support for the WWA