IALA Technical Committees 2014-2018 – Committee Structure CS3

(draft at 2013-10-25)

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| **Technical Committee #1 – AtoN Requirements and Management (ARM)** | |
| Technical Domain | Work description |

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| 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 |

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| **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 |

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| **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**

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| **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 |

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| **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, nd certification of VTS personnel |
|  | Accreditation and approval process for VTS training |
|  | Human factors |
|  | VTS training for navigating officers |
|  | Support for the WWA |