| **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. AtoN data information structure, exchange, presentation | * + 1. Review and update NAVGUIDE Chapter 4, section 4.5.2 -4.5.5 | Updated NAVGUIDE | 1 |  |  |  | x | x | x | x |  |
| * + 1. Review and update NAVGUIDE Chapter 4, section 4.1 -4.7 excluding subsection under 4.5 | Updated NAVGUIDE | 2 |  |  |  | x | x | x | x |  |
| * + 1. Review and update NAVGUIDE Chapter4, section 4.10 - 4.12 | Updated NAVUGUIDE | 3 |  |  |  | x | x | x | x |  |
| * + 1. Review and update NAVGUIDE Chapter4, section 4.5.1 | Updated NAVGUIDE | 4 |  |  |  | x | x | x | x |  |
| * + 1. Review and update NAVGUIDE Chapter 4, section 4.8 – 4.9 | Updated NAVGUIDE | 5 |  |  |  | x | x | x | x |  |
| * 1. S-100 registry and Product Specifications | * + 1. Develop Product Specification on AtoN Information | Product Specification | 1 | x | x | x | x | x |  |  | Completed |
|  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |
| * 1. S-100 registry – coordination of work by all Committees | * + 1. Revise Guideline 1106 and 1087 | Revised Guideline | 1 | x | x | x | x |  |  |  |  |
| * + 1. Amend S-100 for Service Orientation | Proposed changes to IHO S-100 | 1 |  | x | x | x |  |  |  | Completed |
| * 1. Message structure for e-Navigation including VDES | * + 1. Develop Message Structure for VDES | Message Structure | 3 |  |  |  | x | x | x | x |  |
| * + 1. Assist in the Development of Message Structure for e-navigation | Message Structure | 3 |  |  |  | x | x | x | x |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 1. td#2 – e-navigation communications | | | | | | | | | | | |
| * 1. VDES, satellite, WRCP | * + 1. Update the MRCP | Marine Radio Communications Plan | 3 |  |  |  |  |  | x | x | Future |
| * + 1. Develop Recommendation and Guideline on VDES | Recommendation | 3 | x | x | x | x | x | x | x | On-going |
| * + 1. Organise a Workshop on VHF Data Exchange System | Workshop | 3 |  | x | x | x |  |  |  | Completed |
|  |  |  |  |  |  |  |  |  |  |  |
| * 1. AIS technology | * + 1. Review IALA Recommendations and Guidelines on AIS and VDES | Revised Recommendations and Guidelines | 3 | x | x | x | x | x | x | x | On-going |
|  |  |  |  |  |  |  |  |  |  |  |
| * 1. ASM coordination and web hosting | * + 1. Manage regional ASM web catalogue | ASM catalogue | 3 |  |  |  |  |  | x | x | Future |
|  |  |  |  |  |  |  |  |  |  |  |
| * 1. ITU planning and liaison, WRC preparation and national coordination | * + 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 | Ongoing |
| * + 1. 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 |  |  |
| 1. td#3 – shore technical infrastructure | | | | | | | | | | | |
| * 1. Resilient PNT shore services - DGPS, e-Loran, other | * + 1. Develop Guidelines on eLoran, including data formats and ASF | Guideline | 5 | x | x | x | x | x | x |  | One session added |
| * + 1. Develop a Product Specification on eLoran data, beacon corrections, and data exchange | Product Specification | 5 | x | x | x | x | x | x | x | Two session added |
| * + 1. PNT relevant services & systems that can contribute to Resilient PNT. | Recommendation | 5 |  | x | x | x | x | x |  |  |
| * + 1. Develop a Guideline on high accuracy systems | Guideline | 5 |  |  |  | x | x | x |  |  |
| * + 1. Develop a Guideline on the use of SBAS | Guideline | 5 |  |  | x | x | x | x |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| * + 1. ~~Techniques used for on-board PNT data processing~~ |  |  |  |  |  |  |  |  |  | Withdrawn |
|  |  |  |  |  |  |  |  |  |  |  |
| * + 1. Update R-121 | Recommendation and Guideline | 5 | x | x |  |  |  |  |  | Completed |
| * + 1. DGNSS Radiobeacon coverage prediction | Guideline | 5 |  |  | x | x | x |  |  |  |
| * + 1. 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 | Ongoing |
| * + 1. ~~Liaise with RTCM on broadcast standards and ITU on M.823~~ | ~~Liaison notes~~ |  |  |  |  |  |  |  |  | Withdrawn |
| * + 1. Liaise with IMO on PNT matters (including revision of Res. A.915) | Liaison notes | 5 | x | x | x | x | x | x | x |  |
| * + 1. Maintain WG relevant Recommendations and Guidelines, e.g. WWRNP, R-135. | Updated version of documents | 5 |  | x | x | x | x | x | x |  |
| * + 1. Liaison with IEC, ITU, CIRM, RTCM and other bodies on PNT matters | Rapporteur reports / Liaison notes | 5 | x | x | x | x | x | x | x |  |
| * + 1. Develop a Guideline on the provision and use of marine beacon R-mode | Guideline | 5 |  |  |  | x | x | x | x |  |
| * 1. Virtual AtoN technology | * + 1. Liaise with ARM re Virtual AtoN | Liaison notes | 3 | x | x | x | x | x | x | x | Ongoing |
|  |  |  |  |  |  |  |  |  |  |  |
| * 1. Sharing of shore data |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 1. td#4 – e-navigation test beds | | | | | | | | | | | |
| * 1. Gather data and information on testbeds | * + 1. Gather and present information on testbeds (including results) globally | Various forms of reporting | 2 | x | x | x | x | x | x | x | Ongoing |
| * + 1. Maintain a global repository for test-bed results; | Web portal  Ownership and hosting | 2 | x | x | x | x | x | x | x | Ongoing |
| * + 1. Encourage testbed project managersto 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  Marketing plan | 2 | x | x | x | x | x | x | x | Ongoing |
| * + 1. Update IALA Guideline 1107 on the reporting of results of e-navigation testbeds | Review guideline | 2 |  |  |  |  |  |  |  | Completed |
| * 1. Analysis of results of testbeds | * + 1. Monitor testbed outcomes (lessons learnt) and advise the membership as appropriate | Monitor and communicate | 2 | x | x | x | x | x | x | x | Ongoing |
| * 1. Assistance to the IALA Membership | * + 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 | Ongoing |
| * + 1. 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 |
| * + 1. Risk assessment and management plan | Risk Management Plan | 1 |  | x |  | x |  | x | x |  |
| * + 1. Revise and maintain e-Navigation roadmap | Plan and Liaison notes | 2 |  | x |  | x | x |  |  | Completed |
| * 1. Discussion platform |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  |  |  |  |  |  |  |  |  |  | Cancelled |
| * 1. Implementation | * + 1. Liaise with IMO on e-navigation implementation and related regulatory matters | Liaison notes | 2 |  | x | x | x | x | x | x | As required |
| * + 1. 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 | x | As required and for items within IALA’s remit |
| * + 1. Provide implementation guidance on developments in the e-Navigation domain, in cooperation with other IGO/NGOs | Guidance | 2 |  | x | x | x | x | x | x | As required |
| * + 1. Provide guidance and support to the decision-making process related to the implementation of e-navigation | Guidance | 2 |  | x | x | x | x | x | x | As required |
| * + 1. Support IMO with the future development and implementation of e-navigation and contribute to related tasks | Liaison notes | 2 |  | x | x | x | x | x | x | As required |
| * + 1. Monitor ship board developments in order to provide appropriate e-Navigation services | Rapporteur reports | 2 |  | x | x | x | x | x | x | Ongoing in conjunction with WG5 |
| * + 1. 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 |
| * 1. Monitoring of developments nationally and regionally, and effect on competent authorities | * + 1. Evaluate developments and identify potential impact on authorities | Rapporteur reports |  |  |  |  |  |  |  |  | New Task |
| * + 1. Provide guidance on the implementation of MSPs and associated infrastructure to IALA membership | Guidance | 4 |  |  |  |  | x | x |  | Lead by WG4 in conjunction with WG1 |
| 1. td#5 – maritime service portfolios | | | | | | | | | | | |
| * 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). | * + 1. Develop Guideline/Recommendation on Maritime Service Portfolios | Guideline or Recommendation | 4 |  |  |  | x | x | x | x |  |
| * + 1. **MSP1** VTS Information Service (IS) / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 4 |
| * + 1. **MSP2** Navigational Assistance Service (NAS) / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 10 |
| * + 1. **MSP3** Traffic Organization Service (TOS) / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 11 |
| * + 1. **MSP4** Local Port Service (LPS) / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 9 |
| * + 1. **MSP5** Maritime Safety Information (MSI) Service / Operational User Requirements | Liaison note to WG1 | 4 | x | x | x |  |  |  |  | Priority 1 |
| * + 1. **MSP6** Pilotage Service / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 13 |
| * + 1. **MSP7** Tugs Service / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 14 |
| * + 1. **MSP8** Vessel Shore Reporting / Operational User Requirements | Liaison note to WG1 | 4 |  | x | x |  |  |  |  | Priority 8 |
| * + 1. **MSP9** Telemedical Maritime Assistance Service / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 16 |
| * + 1. **MSP10** Maritime Assistance Service (MAS) / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 12 |
| * + 1. **MSP11** Nautical Chart Service / Operational User Requirements | Liaison note to WG1 | 4 |  | x |  |  |  |  |  | Priority 3 |
| * + 1. **MSP12** Nautical Publications Service / Operational User Requirements | Liaison note to WG1 | 4 |  |  | x |  |  |  |  | Priority 5 |
| * + 1. **MSP13** Ice Navigation Service / Operational User Requirements | Liaison note to WG1 | 4 |  | x | x |  |  |  |  | Priority 7 |
| * + 1. **MSP14** Meteorological Information Service / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 6 |
| * + 1. **MSP15** Real-Time Hydrographic and Environmental Information Services / Operational User Requirements | Liaison note to WG1 | 4 |  | x |  |  |  |  |  | Priority 2 |
| * + 1. **MSP16** Search and Rescue (SAR) Service / Operational User Requirements | Liaison note to WG1 | 4 |  |  |  |  |  | x |  | Priority 15 |
| * + 1. Develop Recommendation on Common Shore based System Architecture | Recommendation | 1 |  |  |  |  | x | x | x | Onging |
| * + 1. 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 |
| * + 1. Organise a Workshop on Shore Based Maritime Services | Workshop | 4 |  | x | x | x | x |  |  | Completed |
|  |  |  |  |  |  |  |  |  |  |  |