| **ENAV Committee – Work Plan 2014-2018** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Strategy Technical Domain** | **Task** | **Expected Output** | **WG** | **Session** | | | | | | | **Status** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| 1. TD#1 – Data modelling and message systems | | | | | | | | | | | |
| * 1. AtoN data information structure, exchange, presentation |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| * 1. S-100 registry and Product Specifications | * + 1. Develop Product Specification on AtoN Information | Product Specification | 1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| * 1. S-100 registry – coordination of work by all Committees | * + 1. Revision Guideline 1087 | Guideline | 1 | x | x |  |  |  |  |  |  |
| * + 1. Amend S-100 for Service Orientation | Proposed changes to IHO S-100 | 1 |  | x | x |  |  |  |  |  |
| * 1. Message structure for e-Navigation including VDES | * + 1. Develop Message Structure for VDES | Message Structure | 3 |  |  | x | x | x | x | x | Future |
| * + 1. Develop Message Structure for e-navigation | Message Structure | 3 |  |  | x | x | x | x | x | Future |
|  |  |  |  |  |  |  |  |  |  |  |
| 1. TD#2 – e-Navigation communications | | | | | | | | | | | |
| * 1. VDES, satellite, WRCP | * + 1. Update the MRCP | Marine Radio Comms Plan | 3 |  |  |  |  |  | x | x | Future |
| * + 1. Develop Recommendation and Guideline on VDES | Recommendation | 3 | x | x | x | x | x | x | x | On-going |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| * 1. AIS technology | * + 1. Review Rec. and G. on AIS | Revised Rec. and G. | 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 |  |  | 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. 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 |  |  |  |  |  |
| * + 1. Develop a Product Specification on eLoran data, beacon corrections, and data exchange | Product Specification | 5 | X | x | x |  |  |  |  |  |
| * + 1. PNT relevant services & systems that can contribute to Resilient PNT. | Recommendation | 5 |  | x | x | x |  |  |  |  |
| * + 1. Develop a Guideline on port and harbour high accuracy systems and services | Guideline | 5 |  |  |  | x | x | x |  |  |
| * + 1. Develop a Guideline on the use of SBAS | Guideline | 5 |  |  | x | x | x |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| * + 1. Techniques used for on-board PNT data processing | Guideline | 5 |  |  |  | x | x | x |  |  |
| * + 1. PNT performance status message for eNAV services | Guideline | 5 |  |  |  | x | x | x |  |  |
| * + 1. Update R-121 | Recommendation | 5 | x | x |  |  |  |  |  |  |
| * + 1. DGNSS Radiobeacon coverage prediction | Guideline | 5 |  |  | x | x |  |  |  |  |
| * + 1. Monitor developments in GNSS, DGNSS, radar, resilient PNT, ePelorus, 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 | 5 |  |  |  | x |  |  |  |  |
| * + 1. Liaise with IMO on PNT matters (including revision of Res. A.915) | Liaison notes | 5 | x | x | x | x | x | x | x | Ongoing |
| * + 1. Maintain WG relevant Recommendations and Guidelines, e.g. WWRNP, R-135. | Updated version of documents | 5 |  | x | x | x | x | x | x | TBD |
| * + 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 | Ongoing |
| * 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 | 2 | x | x | x | x | x | x | x | Ongoing |
| * + 1. Encourage testbed project managers to provide information and results to IALA for posting at www.e-navigation.net; | Communication by IALA Secretariat and website | 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 |  |  |  |  | x | x | x | Not started |
| * 1. Analysis of results of testbeds | * + 1. Evaluate / analyse testbed outcomes (lessons learnt) and provide guidance | Analysis report and guidance | 2 | x | x | x | x | x | x | x | Ongoing |
| * 1. Assistance to the IALA Membership | * + 1. Assist the IALA Membership to shape, at a high level, the scope of their testbeds | Technical cooperation initiatives |  | x | x | x | x | x | x | x | ongoing |
| * + 1. Coordinate an IALA Seminar on e-navigation testbed results in 2016/17 | Develop proposal/seek Council approval | 2 |  | x | x | x | x |  |  | Not started |
| * + 1. Risk assessment and management plan | Risk Management Plan | 1 |  | x |  | x |  | x |  |  |
| * + 1. Revise and maintain e-Navigation roadmap | Plan and Liaison notes | 2 |  | x |  | x |  | x |  |  |
| * 1. Discussion platform | * + 1. Develop and progress an online discussion forum on testbeds |  | 2 |  | x | x |  |  |  |  | Recommenced |
| * + 1. Maintain fora to discuss testbed-related issues | Establish and maintain fora | 2 | x | x |  |  |  |  |  | Recommenced |
| * 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 |
| * + 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 | On going |
| * + 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 | On going |
| * 1. Monitoring of developments nationally and regionally, and effect on competent authorities |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 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 | x |  |  |  |  | Priority 10 |
| * + 1. **MSP3** Traffic Organization Service (TOS) / Operational User Requirements | Liaison note to WG1 | 4 |  | x | x |  |  |  |  | Priority 11 |
| * + 1. **MSP4** Local Port Service (LPS) / Operational User Requirements | Liaison note to WG1 | 4 |  | x | 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 | x |  |  |  |  | Priority 13 |
| * + 1. **MSP7** Tugs Service / Operational User Requirements | Liaison note to WG1 | 4 |  | x | 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 | x |  |  |  |  | Priority 16 |
| * + 1. **MSP10** Maritime Assistance Service (MAS) / Operational User Requirements | Liaison note to WG1 | 4 |  | x | 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 | 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 | x |  |  |  |  | Priority 15 |
| * + 1. Develop Recommendation on Common Shore based System Architecture | Recommendation | 1 | x | x | x | x | x | x | x | Ongoing |
| * + 1. e-Navigation infrastructure and its governance | Information paper | 1 | x | x | x | x | x | x |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |