IALA e-NAV Committee Input Papers

e – NAV11

26 - 30 March, 2012

**All papers are posted on the FTP server**

Items highlighted are not on the Committee website.

1. Approval of the agenda

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| **Number** | **Title / Author (if required)** | **Presented by** | **Posting** |
| e-NAV11/1/1 rev4 | Draft Agenda | B Cairns (BC) / IALA | Late |
| e-NAV11/1/2 | Programme for the week *(to be issued after the Chairman’s Meeting)* | BC / IALA |  |

1. Review of action items from last meeting

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| **Number** | **Title / Author (if required)** | **Presented by** | **Posting** |
| e-NAV11/2/1 | Action Items from e-NAV10 | BC / IALA | 1 |

1. Review of input papers & inter-sessional Working Group reports

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| **Number** | **Title / Author (if required)** | **Presented by** | **Posting** |
| e-NAV11/3/1 rev4 | Provisional List of Input Papers *(to be finalised after the Chairman’s Meeting)* | BC / IALA | Late |

1. Reports from other bodies

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| **Number** | **Title / Author (if required)** | **Presented by** | **Posting** |
| e-NAV11/4/1 | IALA Council 52nd Session | BC / IALA | 2 |
| e-NAV11/4/2 | PAP22 Report | BC / IALA | 1 |
| e-NAV11/4/3 | COMSAR 16 Report | BC / IALA | V late |

1. Presentations

| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
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| e-NAV11/5/1 | WWA brief | All | Late |

1. Establish Working Groups
2. Working Group 1 – Operations & Strategy
   1. Monitor and co-ordinate input on Strategy & Operations to the IMO process (Task1\*)
   2. Review and update IALA Strategy for e-Navigation (Task 2\*)
   3. Maintain and update user requirements (in co-ordination with the VTS Committee) (Task 3\*)
   4. Monitor developments in navigation for polar regions (Task 4\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/7/1 | Roadmap Vision (PPT) | 1 | 1 |
| e-NAV11/7/2 | Report of Nautical Institute e-Navigation Usability Workshop | 1/3 | 2 |
| e-NAV11/7/3 | Draft report NAV58 | 1 | Late |
| e-NAV11/7/4 | Draft report NAV58 Annex 2 | 1 | Late |
| e-NAV11/7/5 | Draft report NAV58 Annex 3 | 1 | Late |
| e-NAV11/7/6 | Draft report NAV58 Annex 4 | 1 | Late |

1. WG 2 – PNT/Sensors
   1. Review and update the World Wide Radio Navigation Plan (Task 5\*)
   2. Prepare Recommendations and Guidelines on PNT systems and radar AtoN (Task 6\*)
   3. Co-ordinate input to IMO, ITU and IEC on PNT systems(Task 7\*)
   4. Prepare a Guideline on establishment and operation of navigation systems in polar regions (Task 8\*)
   5. Monitor developments in satellite and terrestrial EPFSs and non-radionavigation systems (Task 9\*)
   6. Prepare a Guideline on recommended measures for disaster recovery (Task 10\*)
   7. Monitor developments in radar technology and their effect on racons (Task 11\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/8/1 | Revision of Recommendation R-129 | 2 | 2 |
| e-NAV11/8/2 | Draft revised IALA WWRNP | 2/4 | 3 |
| e-NAV11/8/3 | Report of Correspondence Group Meeting of IALA e-NAV working group 2 (28 Feb. - 1 March 2012) | 2 | 3 |
| e-NAV11/8/4 | Performance Standard for Multi-system Navigation Receiver Equipment | 2 | 3 |
| e-NAV11/8/5 | Modular and open concept of Integrated PNT System | 2 | 3 |
| e-NAV11/8/6 | RNAV ENG Training Course Outline | 2 | 4 |
| e-NAV11/8/7 | Briefing - Action plan for the ERNP | 2 | 4 |
| e-NAV11/8/8 | GNSS update | 2 | 4 |

1. WG 3 – AIS
   1. Review and update documentation on AIS (M.1371; A-124, A-126) (Task 12\*)
   2. Co-ordinate input to IMO, ITU, and IEC on AIS (Task 13\*)
   3. Monitor and contribute to development of AIS, including the next generation of AIS (Task 14\*)
   4. Monitor developments in the technical definition of AIS stations at IEC, satellite detection of AIS and terrestrial long range AIS (Task 15\*)
   5. Monitor developments in the use of AIS in polar regions (e.g. AIS AtoN) (Task 16\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/9/1 | Report of the joint meeting of the AIS TWG and the COMMUNICATION WG of the IALA e-Nav Committee, 12th Intersessional meeting held 5-9 March 2012, in San Francisco, USA | 3/4 | 4 |
| e-NAV11/9/2 | Plan for AIS and VHF Data Communications in e-Navigation | 3/4 | 4 |

1. WG 4 – Communications
   1. Review and update IALA Maritime Radio Communications Plan (Task 17\*)
   2. Prepare Recommendations and Guidelines on communications (Task 18\*)
   3. Co-ordinate input to ITU, IMO, and IEC on communications (Task 19\*)
   4. Prepare a Guideline on the establishment and operation of communications systems in polar regions (Task 20\*)
   5. Monitor developments in GMDSS and LRIT (Task 21\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/10/1 | Communications in Polar Areas | 4 | 1 |
| e-NAV11/10/2 | IALA MRCP Ed1 Dec2009 | 4 | 1 |
| e-NAV11/10/3 | Next Generation Combined AIS-VHF | 4 | 1 |
| e-NAV11/10/4 | Essential Communications Elements of e-Navigation | 4 | 1 |
| e-NAV11/10/5 | Liaison note from ITU WP5B | 4 | 1 |
| e-NAV11/10/6 | Draft GSMD Guideline | 4 | 1 |
| e-NAV11/10/7 | Revised IALA WWRNP | 4/2 | 2 |

1. WG 5 – Technical Architecture
   1. Develop and maintain shore-based e-Navigation architecture (Task 22\*)
   2. Prepare Recommendations and Guidelines on e-Navigation architecture (Task 23\*)
   3. Co-ordinate input to IMO, ISO and IEC on e-Navigation architecture (Task 24\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/11/1 | Draft revision e-NAV-140 (Ed2) | 5 | 1 |
| e-NAV11/11/2 | Proposed data modelling group Report to CG 7Sep11 Report to CG 7Sep11 | 5 | 1 |
| e-NAV11/11/3 | Report to IMO CG 7Sep11 | 5 | 1 |
| e-NAV11/11/4 | e-Navigation - a vision by Andy Norris | 5 | 1 |
| e-NAV11/11/5 | What Does WG5 Want from the TSMAD Meeting | 5 | 1 |
| e-NAV11/11/6 | IHO-IALA Meeting Report | 5 | 1 |
| e-NAV11/11/7 | The IHO S-100 Standard and e-Navigation Information | 5 | 1 |
| e-NAV11/11/8 | Considerations for IALA's potential role at HGDM | 5 | 1 |
| e-NAV11/11/9 | Functional requirements for shipboard technical architecture as seen from ashore - 'Shopping List' | 5 | 1 |
| e-NAV11/11/10 | Liaison note from ANM on e-Navigation Architecture 'PictureBook' Information Paper e-NAV-140 | 5 | 1 |
| e-NAV11/11/11 | Navigation Architecture 'PictureBook' Information Paper e-NAV-140\_ANM edits and comments | 5 | 1 |

1. WG 6 – Information Portrayal
   1. Prepare Recommendations and guidelines on Maritime Information Systems (in co-ordination with the VTS Committee) (Task 25\*)
   2. Prepare Recommendations and guidelines on the portrayal of information (Task 26\*)
   3. Monitor developments in ECDIS, INS, and ENCs (Task 27\*)

| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
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| e-NAV11/12/1 | WG6 - Work Plan for e-NAV11 | 6 | 4 |
| e-NAV11/12/2 | WG6 Chair Memo to IALA e-Nav WG6 | 6 | 4 |
| e-NAV11/12/3 | WG6 Report to e-NAV10 | 6 | 4 |
| e-NAV11/12/4 | Liaison note from VTS34 response on Portrayal | 6 | V late |

1. Monitor and report progress on related systems (Task 28\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/13/1 |  |  |  |

1. Liaise with other IALA Committees and other bodies (Task 29\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/14/1 | Liaison Note from EEP on WWA AtoN Training | C/VC | 1 |
| e-NAV11/14/2 | Liaison note to all committees by ANM on the NAVGUIDE | C/VC | 1 |
| e-NAV11/14/3 | NAVGUIDE 2014 Timetable | C/VC | 1 |
| e-NAV11/14/4 | Action Plan | C/VC | 1 |

1. Prepare a combined IALA e-Navigation Plan (all Committees) (Task 30\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/15/1 |  |  |  |

1. Consider the regulatory process for e-Navigation and recommend the best approach (Task 31\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/16/1 | Regulatory Process | C/VC | 3 |
| e-NAV11/16/2 | Cover note for Report of IMO Correspondence Group on AIS-AtoN | ?? | V late |
| e-NAV11/16/3 | Report of IMO Correspondence Group on AIS-AtoN | ?? | V late |

1. Manage the IALA domain, according to IHO Standards s-100 & S-99 (Task32\*)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/17/1 | Draft Report of IHO / IALA meeting – 21 to 24 February 2012 | C/VC | 3 |
| e-NAV11/17/1 rev1 | Report of IHO / IALA meeting – 21 to 24 February 2012 | C/VC | 4 |
| e-NAV11/17/2 | Draft Liaison Note to IHO | C/VC | 3 |
| e-NAV11/17/3 | Draft Information Paper to Council on S-100 | C/VC | 3 |
| e-NAV11/17/4 | IALA participation in IHO S-100 - impact assessment | C/VC | 3 |
| e-NAV11/17/5 | Liaison note on PS ownership and development | C/VC | 3 |
| e-NAV11/17/6 | Briefing on Guideline for IALA Procedures under S-100 GI Registry | C/VC | 3 |
| e-NAV11/17/6 rev1 | Briefing on Guideline for IALA Procedures under S-100 GI Registry | C/VC | 4 |
| e-NAV11/17/7 | Draft S-100 IVEF Product Specification | C/VC | 3 |
| e-NAV11/17/8 | IALA recommendation 145 on the IVEF | C/VC | 3 |
| e-NAV11/17/9 | Draft AtoN Metadata Product Specification | C/VC | 3 |
| e-NAV11/17/10 | Draft AIS Product Specification | C/VC | 3 |
| e-NAV11/17/11 | Draft Guideline on participation in the Geospatial Information Registry | C/VC | 4 |
| e-NAV11/17/12 | Liaison note from VTS34 the IVEF Product Specification | C/VC | V late |

1. Future Work Programme (2014 – 2018)

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/18/1 | 2014 – 2018 Work Programme | All | 2 |

1. Review of output and working papers
2. Any Other Business
   1. Working Group Terms of Reference (ToR)
   2. Workshop – e-Navigation for AtoN Authorities (May 2013)
   3. Test-bed guidelines

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| **Number** | **Title / Author (if required)** | **Action** | **Posting** |
| e-NAV11/20/1 | Draft ToR WG1 (Please note change in document numbering) | C/VC | 1 |
| e-NAV11/20/2 | Draft ToR WG2 | C/VC | 1 |
| e-NAV11/20/3 | Draft ToR WG3 | C/VC | 1 |
| e-NAV11/20/4 | Draft ToR WG4 | C/VC | 1 |
| e-NAV11/20/5 | Draft ToR WG5 | C/VC | 1 |
| e-NAV11/20/6 | Draft ToR WG6 | C/VC | 1 |
| e-NAV11/20/7 | Input - Test-bed guidelines |  | 2 |

**Information Papers**

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| **Number** | **Title / Author (if required)** | **Posting** |
| e-NAV11/INF/1 | IMO CG schedule 2011-2012 | 1 |
| e-NAV11/INF/2 | Meeting dates 2012 - 2014 post C52 | 2 |

1. Date and venue of next meeting
2. Review of session report