**14th Meeting of the e-Navigation Committee**

The 14th meeting of the **e-NAV Committee** will be held from 23 – 27 September, 2013 at IALA, St Germain en Laye, France.

The opening plenary will commence at 1400 hours on Monday 23 September and the closing plenary will end at approximately 1300 on Friday 27 September.

Committee Chair, Vice-Chair and Working Group Chairs are requested to meet at 1000 hours on Monday 23 September.

Work items / Tasks being addressed during this meeting are listed in Paper e-NAV13/output/2.

Green highlight denotes change from e-NAV13

**AGENDA**

1. Opening
   1. Administration & safety briefing
   2. Approval of the agenda
   3. Introductions and apologies
   4. Programme for the week
2. Review of action items from last meeting
3. Review of input papers
4. Reports from other bodies:
   1. Report from IALA Council – 55th Session, May 2013
   2. Report from PAP25, May 2013
   3. Report from MSC92, June 2013
   4. Report from NAV59, September 2013
   5. Report from VTS37 to e-NAV14 Pieter Paap
5. Reports from Rapporteurs:
   1. Monitor and report progress on related systems (Task 28\*)
6. Presentations (15 minutes duration)
   1. WWA update Stephen Bennett
   2. e-Navigation Infrastructure Requirements Fred Pot
   3. The maritime cloud Ole Borup
7. Establish Working Groups
8. WG 1 – Operations & Strategy (User requirements)
   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\*) - ~~Complete~~
   3. Maintain and update user requirements (in co-ordination with the VTS Committee) (Task 3\*) - Complete
   4. Monitor developments in navigation for polar regions (Task 4\*)
   5. Prepare Recommendations and guidelines on Maritime Information Systems (in co-ordination with the VTS Committee) (Task 25\*) - Complete
   6. Prepare Recommendations and guidelines on the portrayal of information (Task 26\*) – Will be complete when approved at e-NAV14.
   7. Monitor developments in ECDIS, INS, and ENCs (Task 27\*)
   8. Liaise with other IALA Committees re NAVGUIDE review (Task 29\*) – Complete
   9. Liaise with other IALA Committees re IALA Annual Questionaire (Task 29)
   10. Prepare a combined IALA e-Navigation Plan (all Committees) (Task 30\*) - ~~Complete~~
   11. Consider the regulatory process for e-Navigation and recommend the best approach (Task 31\*) - Complete
   12. Monitor the activities of the Competent Pilotage Authority Forum (CPAF) (Task 33\*)
9. WG 2 – PNT / Sensors
   1. Review and update the World Wide Radio Navigation Plan (Task 5\*) - Complete
   2. Prepare Recommendations and Guidelines on PNT systems and radar AtoN (Task 6\*) - Complete but due to be included it in the 2014 – 2018 Work Programme
   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\*) – Deferred
   5. Monitor developments in satellite and terrestrial EPFSs and non-radionavigation systems (Task 9\*) – Ongoing. Monitoring item in the 2014 – 2018 Work Programme.
   6. Prepare a Guideline on recommended measures for disaster recovery (Task 10\*) - Complete
   7. Monitor developments in radar technology and their effect on racons (Task 11\*) – Ongoing. Monitoring item in the 2014 – 2018 Work Programme
   8. Liaise with other IALA Committees re NAVGUIDE review (Task 29\*) – Complete
   9. Liaise with other IALA Committees and other bodies re disaster recovery (Task 29\*) – ~~Complete~~
10. 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 the efficient utilization of AIS, development of future VHF Data Exchange (VDE) and technical standards (with WG4). (Task 14\*) - ~~Complete~~ but due to be included it in the 2014 – 2018 Work Programme
    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\*) – Ongoing
    6. Liaise with other IALA Committees re NAVGUIDE review (Task 29\*) - Complete
    7. Provide guidance on the reliability of AIS data when used in court (Task 32\*) – Complete. However, document not yet reviewed by LAP
11. WG 4 – Communications
    1. Review and update IALA Maritime Radio Communications Plan (Task 17\*) - Complete
    2. Prepare Recommendations and Guidelines on communications (Task 18\*) - ~~Complete~~
    3. Co-ordinate input to ITU, IMO, and IEC on communications (Task 19\*) Ongoing
    4. Prepare a Guideline on the establishment and operation of communications systems in polar regions (Task 20\*) - Ongoing
    5. Monitor developments in GMDSS and LRIT (Task 21\*) Ongoing
    6. Liaise with other IALA Committees re NAVGUIDE review (Task 29\*) - Complete
12. WG 5 – Technical Architecture
    1. Develop and maintain shore-based e-Navigation architecture (Task 22\*) - Complete
    2. Prepare Recommendations and Guidelines on e-Navigation architecture (Task 23\*) - ~~Complete~~
    3. Co-ordinate input to IMO, IHO, ISO, IEC and CIRM on e-Navigation architecture (Task 24\*) – Ongoing
    4. Liaise with other IALA Committees re NAVGUIDE review (Task 29\*) - Complete
13. WG 6 – Data Modelling
    1. Liaise with other IALA Committees re NAVGUIDE review (Task 29\*) - Complete
    2. Prepare Recommendations and Guidelines on data modelling (Task 34)
    3. Advise on management of the IALA domain, according to IHO standards S-100 & S-99 (Task 32\*)
14. WG7 – Testbeds
    1. Liaise with other IALA Committees re NAVGUIDE review (Task 29\*) - Complete
    2. Advise on establishment and requirements for e-Navigation testbeds (Task 35\*)
    3. Co-ordinate results of testbeds using a portal (Task 36\*)
    4. Provide an online forum for the IALA membership to discuss issues of common interest and concern in relation to testbeds (Task 37\*) To include any testbed presentations
15. Review of Current Work Programme
16. Future Work Programme (2014 – 2018)
17. Review of output and working papers
18. Any Other Business
    1. World Wide Acadamy
    2. World Maritime Day 2013discussion
19. Review of session report
20. Date and venue of next meeting
21. Close of meeting