**1st Meeting of the AtoN Engineering and Sustainability Committee (ENG1)**

The 1st meeting of the **AtoN Engineering and Sustainability Committee** (ENG1) will be held from 17 – 21 November, 2014 at IALA, St Germain en Laye, France.

The opening plenary will commence at 1300 on Monday 17 November and the closing plenary will end at approximately 1300 on Friday, 21 November.

Committee Chair, Vice-Chair and Working Group Chairpersons are requested to meet at 0900 on Monday, 17 November.

**AGENDA**

1. Introduction
   1. Administration and safety brief
   2. Apologies
   3. Welcome to new members and introductions
   4. Approval of the agenda
   5. Programme for the week (work & social)
2. ENG1 Programme
   1. Brief on IALA Strategy Simon Millyard
   2. Working Group Structure Simon Millyard
   3. Review of Work Programme (2014 – 2018)
3. Review of action items from EEP21
4. Review of input papers
   1. Input papers
   2. Identify input papers suitable for uploading to the IALA Wiki
5. Reports from other bodies:
   1. Report from IALA Council – 56th, 57th 58th Sessions
   2. Report from IALA General Assembly / Conference, May 2014
   3. Report from PAP26, October 2013
   4. Report from PAP27, March 2014
   5. Report from PAP28, October 2014
   6. Report from MSC93, May 2014
   7. Report from NAV59, September 2013
   8. Report from e-Navigation Underway 2014
   9. Report from e-Navigation Underway USA 2014
   10. Report of NCSR1, July 2014
   11. Report from PIANC
6. Reports from Rapporteurs:
   1. Developments in Aids to Navigation
   2. Developments in Renewable Energy Sources
   3. Developments in Battery Technology Jonas Lindberg
   4. Developments in New Light Sources Malcolm Nicholson
   5. CIE-IALA Liaison Malcolm Nicholson
   6. Developments in AtoN Simulation Systems Jong-Uk Kim
   7. IALA Dictionary David Jeffkins
   8. Developments in simulation techniques Dr Fang
   9. Review of topics for Rapporteurs Simon Millyard
   10. IALA Bulletin liaison David Jeffkins
7. Presentations (15 minutes duration)
   1. Brief on WWA Stephen Bennett
   2. Implementation of structural health monitoring in AtoN telematics Aivar Usk
   3. IALA Wiki & its use in committee David Jeffkins
   4. Recent AtoN modifications and upgrade projects within the AMSA network Greg Hanson
   5. Fixed Flashing Lights Viewing Trial Malcolm Nicholson
   6. Developments in Fuel Cells Peter Dobson
8. Establish Working Groups
   1. Plenary session to establish WGs
   2. Working Groups Terms of Reference
   3. **Working Groups Task Register**
9. **WG#1 – Visual & Physical AtoN** 
   1. **Review of IALA documents**
   2. **Potential Standards**
   3. **S100 population with AtoN data**
   4. **Marine signalling**
   5. **Plastic buoys, Systems & Sensors**
   6. **Workshops & Seminars**
   7. **New developments**
   8. **Navguide updates**
10. WG#2 – Knowledge & Sustainability
    1. **Review of IALA documents**
    2. **Potential Standards**
    3. **Guidance on extreme environment AtoN engineering**
    4. **Sustainable AtoN design**
    5. **Maintenance & use of heritage Lighthouses for modern AtoN equipment**
    6. **Guidance on structural protection & repair**
    7. **Protection of the Marine Environment**
    8. **Safety of personnel**
    9. **Commissioning & Audit**
    10. **WWA Support**
    11. **Workshops and Seminars**
    12. New developments
    13. ENav implementation
11. Review of output and working papers
    1. Output Papers
    2. Working Papers
12. Any other business
13. Review of session report
14. Date and venue of next meeting
15. Close of meeting