**21st Meeting of the Engineering, Environmental & Preservation of Historic Lighthouses Committee**

The 20th meeting of the **EEP Committee** will be held from 7 – 11 October, 2013 at IALA, St Germain en Laye, France.

The opening plenary will commence at 1300 on Monday 7 October and the closing plenary will end at approximately 1300 on Friday, 11 October.

Committee Chair, Vice-Chair and Working Group Chairpersons are requested to meet at 0900 on Monday, 7 October.

Change from EEP20

**AGENDA**

1. Introduction
   1. Administration and safety brief
   2. Approval of the agenda
   3. Apologies and introductions
   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. Reports from Rapporteurs:
   1. Developments in Aids to Navigation (M1\*) Adrian Wilkins
   2. Developments in Renewable Energy Sources (M2\*) Moray Waddel
   3. Developments in Battery Technology (M3\*) Jonas Lindberg
   4. Developments in New Light Sources (M4\*) Malcolm Nicholson
   5. IALA Certification Process (M5\*) (Task removed at C52)
   6. CIE-IALA Liaison (M6\*) Malcolm Nicholson
   7. IALA Dictionary (M7\*) Ómar Frits Eriksson
6. Presentations (15 minutes duration)
   1. Brief on WWA Stephen Bennett
   2. Introduction to Development of AtoN Simulator in KOREA Dr. FANG, Tae Hyun
   3. Aid to Navigation on Demand Fog Lights Aivar Usk
   4. Nakkehoved Optic mercury removal Jorgen Royal Petersen
   5. Acrylic glazing for Lighthouses Simon Millyard
   6. Antifouling video Mariano Marpegen
7. Establish Working Groups
8. Working Group 1 – AtoN infrastructure design and maintenance (WG1)
   1. **AtoN Engineering (Task 2\*)**
   2. **Power Systems and Energy Storage** (Task 4\*)
   3. **Remote Control and Monitoring** (Task 5\*)
   4. **Risk Assessment Techniques in AtoN Design and maintenance** (Task 11\*)
   5. **e-Navigation across Committees** (Task 13\*)
   6. **Polar Engineering** (Task 14\*)
   7. The use of Audible Signals as aids to navigation (*in conjunction with ANM*) (Task 15\*)
   8. **Workshops and Seminars** (Task 16\*)
9. **Working Group 2 –** Heritage, Conservation and Civil Engineering (WG2)
   1. **Heritage and Conservation** (Task 9\*)
   2. **Civil Engineering and Structures** (Task 10\*)
   3. **Workshops and Seminars** (Task 16\*)
10. **Working Group 3 -** Environment, quality assurance, training and publications (WG3)
    1. Knowledge Sharing / Knowledge Management, taking into account open source software (Task 1\*)
    2. **Environment and safety** (Task 6\*)
    3. **Aids to Navigation Training, IALA WWA** (Task 7\*)
    4. **Product Certification** (Task 8\*) (Task removed at C52)
    5. **Quality Management** (Task 12\*)
    6. **Workshops and Seminars** (Task 16\*)
11. **Working Group 4 – Light and Vision (WG4)**
    1. **Engineering – Visual Aids (Task 2\*)**
    2. **Visual perception of lights and daymarks** (Task 3\*)
    3. **Workshops and Seminars** (Task 16\*)
12. Review of Current Work Programme
13. Future Work Programme (2014 – 2018)
14. Review of output and working papers
    1. Output Papers
    2. Working Papers
15. Any other business
16. Review of session report
17. Date and venue of next meeting
18. Close of meeting