

## Seminar on the Heritage Issues of Introducing New Technologies in Aids to Navigation

**Theme:** Impact of the modernisation of Aids to Navigation on Historic Lighthouses and related equipment (lens, buoys and radio aids).

**Objective:** Share expertise and identify best practices on the consequences of technical changes to historic lighthouses, associated buildings and all Aids to Navigation equipment.

**Scope:** Through presentations from inside and outside the Lighthouse Authorities the seminar will show the options on all aspects of the range of topics below with examples of good and bad practices. Time will be given to discussion, specific case studies, visits to local examples and production of recommendations and conclusions, which will suggest areas of further study.

### Topics:

- History of the development of glass lenses and the introduction of modern systems.
- How to keep or conserve old lenses when new lamps or LED technology is introduced.
- The retention, reuse and display of redundant Floating Aids including Light Vessels
- The options for Fog Signals, associated equipment and buildings
- The retention, reuse and display of redundant equipment with alternatives of storage on site, display at museum or elsewhere
- Modernisation or the reuse of old equipment
- Changes in Power Sources and storage and the impact on lighthouse sites
- Conserving and displaying Radio Aids to Navigation
- The retention or removal of Mercury baths from historic lenses.
- The impact on lighthouse towers and buildings of de-manning and modernisation of equipment.
- Case Studies related to Conservation (lessons learned with real examples)
- What information should be documented prior to changes in technology to allow the story to be told to future generations? Documenting details of working practices in written, audio and visual.
- Role of Heritage Authorities, Conservation Organisations and Maritime Authorities in the area of Lighthouse Conservation.

**Participants:** heritage authorities, conservation organisations, maritime authorities, maritime museums, universities, scientific bodies and industry.

**Duration:** 4 days

**Date:** June 2009

**Venue proposal: Santander, Cantabria, Spain.**

**Steering Committee:**

Host: Port of Santander

Seminar Chair Person: Bob McIntosh Northern Lighthouse Board

Members: Christian Lagerwall Swedish Maritime Administration  
Jo van der Eynden Lindesnes Museum  
Carmen Martinez Puertos del Estado  
Carlos Calvo Puerto de Santander  
Marie Helene Grillet IALA Secretariat

**Steering Committee Meeting – Proposed:**

EEP 11 - April 2008