

### The Second Meeting of the IALA Heritage Forum 19-20 May 2015

1. Introduction: IALA established, as part of its work programme 2014-2018, a Heritage Forum where National Authorities in charge of Aids to Navigation can meet with other interested parties, such as heritage bodies, conservation trusts, academics and others interested in Lighthouse Heritage.

The second meeting (HF2) was held at IALA Headquarters on 19<sup>th</sup> and 20<sup>th</sup> May 2015, open to all IALA Members and people having an interest in lighthouses and lighthouse conservation. In order to retain as much participation from the former EEP Working Group 2 as possible, the Forum met for two days, during the same week as the ENG Committee. Bob McIntosh of the Northern Lighthouse Board, Scotland was in the chair. A total of 11 participants took part with a mix of National and Industrial members.

<b>Attendees</b>		
	<b>Name</b>	<b>Organisation / Country</b>
1	Bob McIntosh (Chair)	Northern Lighthouse Board / Scotland
2	Santiago Tortosa	Puertos del Estado / Spain
3	Egbert van der Weide	Ministry of Infrastructure and Environment / Holland
4	Jo van der Eynden	Norwegian Lighthouse Museum / Norway
5	Ingvild Kragset	Norwegian Coastal Administration / Norway
6	Vincent Roget	Gisman / France
7	Jean Marie Calbet	Association Sauvegard Cordouan
8	Bert Frame	Sealite / U.K.
9	Jim Foye	Maritime New Zealand
10	Neil Jones	Trinity House / U.K.
11	Marisa Marco	Puertos del Estado, Villagarcia Port Authority / Spain

<b>Apologies</b>		
	<b>Name</b>	<b>Organisation / Country</b>
1	Mohamad Halim Ahmed	Marine Department / Malaysia
2	Lars von Lilienfeld-Toal	Federal Waterways and Shipping Admin / Germany
3	Vincent Guigueno	Direction des Affaires Maritimes / France
4	Mark Watson	Historic Scotland / Scotland
5	Ioanna Papayianni	Aristotle University of Thessaloniki / Greece
6	Vasiliki Pachta	Aristotle University of Thessaloniki / Greece

The meeting started with a welcome to the attendees and particularly to those new to the group. Each member introduced themselves including their particular interests in the work of the Forum. The chairman provided the administration and safety briefing and the programme for the week including social events which completed the introductions.

2. Heritage Forum Programme: Attendees were reminded about a document discussed at HF1 detailing the IALA Strategy in relation to Heritage and the Forum Structure within the ENG Committee. This is now published under the HF1 meeting tab on the IALA Committees website as HF1\_2\_1\_the\_iala\_strategy\_heritage\_forum\_november\_2014.  
The report from HF1 was tabled for comment. Some discussion took place and the report was accepted as a record of the first meeting of the Heritage Forum. This is now published under the HF1 meeting tab on the IALA Committees website as hf1\_9\_1\_1\_report\_on\_the\_first\_meeting\_of\_the\_iala\_heritage\_forum.  
The chair then indicated that he had notified his organisation that he intended to retire at the end of January 2016 which would result in him being unable to commit to continuing as Chairman of the Heritage Forum beyond the next meeting of the forum in November 2015. There was some discussion about the role of the chair but there was no indication that any of those attending felt able to take on the role. The attendees were asked to consider the possibility of taking on a lead role within the forum and to advise the Chairman of any suggestions.  
The question, "What do the attendees want from the Heritage Forum?" was carried forward from HF1 with the document hf1\_6\_heritage\_forum\_possible\_work\_items tabled for further discussion. The discussions focussed on the use of the IALA website for publication of Heritage documents and to create links to other related sites. As a first step it was suggested that IALA members should be requested to provide links to their websites particularly where this referred to lighthouse descriptions and history or other heritage related material. In addition links could be provided to other sites of relevance to the heritage of lighthouses.  
The Heritage page of the website was opened and shown to the attendees where clearly there is a location available to publish documents to the public domain. There is a need to enable the Forum to be able to increase the number of documents available. It is hoped that it would be possible to allow a member of the Forum to manage the Heritage web page.  
Interest was expressed in obtaining some feedback on the sales and availability of the IALA Lighthouse Conservation Manual and the book, A History of Floating Aids to Navigation, two publications initiated and supported by the heritage group.

*Action Item: All attendees and those interested in the future of the forum are requested to consider taking on, or assisting with the lead role in the work of the Heritage Forum and to submit suggestions to the Chair.*

*Action Item: Bob McIntosh to contact IALA Secretariat to request that they contact IALA members for a link to their website in relation to Lighthouse and Heritage information.*

*Action Item: Bob McIntosh to discuss with the IALA Secretariat regarding access to add publications and website links to Heritage web page.*

*Action Item: Bob McIntosh to request that the IALA Secretariat provide some feedback on the sales and availability of the IALA Lighthouse Conservation Manual and the book, A History of Floating Aids to Navigation.*

3. Review of action items from HF1: No Action
4. Review of input papers: No Action
5. Reports from attendees: those attending the meeting were asked to comment on any interesting matters that were happening in their country and to submit some notes for inclusion in the report. Some attendees made a presentation and they are covered in section 7.  
In Scotland in recent years there have been several lighthouses which have become redundant as they are no longer required as Aids to Navigation. In some cases they have been sold to private individuals and are no longer accessible to the authority or the public. However in one case the

lighthouse has been purchased by a local trust through the Community Right to Buy Scheme. They have received permission to open it to the public and are also developing the site as a tourist attraction. The Northern Lighthouse Board has provided some advice and information to assist with this and the trust made reference to the IALA Lighthouse Conservation Manual in their documentation. It was suggested that in this situation some problems can arise if the initially enthusiastic members of the trust leave or are unable to continue to participate.

A large project supported by Heritage Lottery funding, has recently been completed by Shetland Amenity Trust at Sumburgh Head Lighthouse in Shetland and this included reinstating the Fog Signal equipment to allow it to be operated on some special occasions and events. The first sounding is shown at the following link. <https://www.youtube.com/watch?v=5QUwWZBISr8> At Cordouan Lighthouse on the Gironde, there are three groups involved in running the lighthouse with the Lighthouse Authority, Department of Culture and the Local Council. The lighthouse keepers employed by the Lighthouse Authority retired in 2012 but the council now employ keepers to look after the building but they were not initially able to assist with maintaining the AtoN. There are occasional difficulties with different organisations involved in looking after the site and there is also the Association Sauvegarde Cordouan which is a volunteer organisation. In Sweden and at Happisburgh in England local groups have been authorised to continue operating the Aid to Navigation after the authority has decided it is no longer required for general navigation but the Authority still has a duty to check that it is being correctly operated as indicated on the chart.

In Norway it has been decided that to comply with proposed EU Directive on transportation of Mercury, they will remove the mercury from their lighthouses. They have been in consultation with the Danish Maritime Authority regarding the work they have done, refer to the presentation in section 7. The comment was made that the local community as well as some mariners appreciate the effect of the loom of rotating lights which are in many cases traditionally operated using mercury baths.

In New Zealand the mercury baths were replaced with slew ring bearings during modernisation projects in the 1970's. Jim Foye has offered to research his archives to see if any information is available relating to this work and to submit it to the group. Maritime New Zealand recently organised a celebration of 150 years since the light was established at Tiritiri Matangi Lighthouse including a temporary exhibition. Jim Foye also advised that they had a problem with a compressor at a site where the Fog Signal was occasionally sounded as a demonstration and they were having difficulties sourcing spare parts. A photograph of the site at Dog Island where a local trust is being set up to help manage the island and a poster produced and used at the exhibition at Tiritiri Matangi Lighthouse were presented at the meeting and are included in the documents as hf2\_5\_1 and hf2\_5\_2.

In England, Trinity House received a royal visit to Portland Bill Lighthouse by the Princess Royal to open the new visitor centre.

Annex 1 to this report provides some more information from the attendees on Heritage items in their country and Annex 2 is a list of publications which were made available by attendees during the forum.

Mr Tamotsu Ikeda of Japan Aids to Navigation Association is thanked for the very generous issue of copies of the book "Preservation of Meiji period lighthouses" from the Japan Aids to Navigation Association which he had brought with him from Japan to the attendees of the Forum.

*Action Item: Jim Foye to provide details of works to convert mercury baths to slew ring bearings in New Zealand from 1970's.*

6. Work Programme (2014-2018): Discussion took place on how different countries evaluated their Historic Lighthouses with a view to deciding which were the most important. Norway developed a preservation plan several years ago and this has resulted in an improved maintenance programme for those identified as important. In France, the lighthouse at Cordouan was their only lighthouse listed as historically important but after carrying out a review and preparing an inventory approximately half of the principal lighthouses on the coast of France were listed, about 80 in number. In Spain they have evaluated the lighthouses using a list of criteria and with weightings to reflect the importance of the different criteria. Marisa Marco has agreed to submit details of the process for the next meeting. The important criteria can cover architecture, location and navigational significance. In New Zealand 23 of the lighthouses are listed but the listings don't always reflect what the authority considers the most important feature. Some of the lighthouses are also included in areas designated as significant landscapes and this can therefore impact on the ability of the authority to carry out work which might impact on the landscape. During discussions it was suggested that a register of equipment in use or previously installed in different countries might provide comparisons and assist in documenting historical or in use equipment especially when considering international equipment suppliers. At this stage a brief overview of the existing Heritage Guidelines and the chapters of the IALA Lighthouse Conservation Manual was given to ensure that all attendees were aware of what was contained in the documents and how they were laid out. Digital copies were distributed to those attending the forum. The attendees are requested to review the documents and to submit suggestions on updates or improvements to the content and layout of the documents. The chapters of the manual, which were originally produced as guidelines, each had a flow chart at the beginning, a checklist at the end and some photographs added to illustrate the points raised in the manual. It is suggested that each chapter once it is reviewed and revised and each guideline could be adjusted to match the chapters of the manual and they could all be published on line as separate chapters with an index to cover the complete document.

The documents covered by this are:

- 1063 On Agreements for Complementary use of Lighthouses Dec-08 Ed 1
- 1074 On Branding and Marketing of Historic Lighthouses Dec-09 Ed 1
- 1075 On a Business Plan for the complementary use of a Historic Lighthouse Dec-09 Ed 1
- 1080 On The Selection and Display of Heritage Artefacts Dec-11 Ed 1
- 1093 on the Management of Surplus Lighthouse Property Dec-12 Ed 1
- IALA Lighthouse Conservation Manual May-06 Ed 1
- Information Paper on Definitions on Conservation Dec-08 Ed 1

Further discussion took place on the matter of adding further information on to the Heritage Page of the IALA website and this is covered in an action on Bob McIntosh in section 2 of this report. Attendees and others interested in the work of the forum are requested to consider further work items for discussion at the next meeting.

*Action Item: Marisa Marco to submit a paper/presentation on the evaluation of Historic Lighthouses at HF3*

*Action Item: All attendees and those interested in the work of the forum are requested to review chapters of manual and guidelines and to submit suggestions on updates or improvements to the content and layout of the documents.*

*Action Item: All attendees and those interested in the work of the forum are requested to consider further work items for discussion at the next meeting.*

7. Presentations: The following presentations were made during the meeting

#### 7.1 Jorgen Royal Petersen, Danish Maritime Authority – Case Studies on Re Engineered Mercury Bath System, Denmark

This presentation described how a method was developed to replace the mercury bath system with a standard low cost bearing capable of carrying 40 tonnes and how it was adapted to be installed at 5 Danish Lighthouses to suit different drive systems. This could be justified with a small increase in cost over the cost of installing an LED system at these sites. In addition it was felt that the sweeping light of the rotating optic at these historic lighthouses was important to the local community as well as the mariner.

#### 7.2 Bert Frame – SEALITE 2015 LED Light Source in Traditional Lens

This presentation showed details of the installation of an LED Light Source to traditional optics in order to allow the continued use of the historic lenses. This could provide a flashing light in a fixed optic or a continuous light in a rotating optic.

#### 7.3 Jim Foye, Maritime New Zealand – Cape Campbell Lighthouse Timelapse video

This video showed, using timelapse photography, the 10 days taken to build up and dismantle the original optic at Cape Campbell lighthouse in New Zealand. A part of the video can be seen at <https://www.youtube.com/watch?v=BhLgoamM5k8>

#### 7.4 Fernando Romero - MSM and Manuel Santos – Portuguese Lighthouse Authority - Development and testing of new LED lamp.

These presentations were made during ENG 2 plenary but are relevant in relation to the provision of an alternative light source to allow the continued use of traditional lenses.

The two presentations can be found under the ENG 2 documents in the Committee section of the IALA website as follows:

ENG2-6.5.1 Presentation –Development of LED for traditional lens optic V4

ENG2-6.5.2 Presentation – New LED Light Source test in Cape Espichel Lighthouse

#### 7.5 Jo van der Eynden – Lindesnes Lighthouse Museum

A short film prepared to celebrate the 2015 Year of Light

Presentations are requested for the next meeting of the Forum, all attendees are requested to consider submitting a presentation and presenting during the forum. Suggestions made at this meeting included Preservation Work at Punta Almina Lighthouse, Education at Trinity House, the Lighthouse Preservation Plan Criteria and weightings from Spain and progress in the Norwegian proposals on mercury replacement. All presentations will be welcomed.

*Action Item: All attendees and those interested in the work of the forum are requested to consider submitting a presentation and presenting during the next forum HF3.*

### 8. Proposed IALA Lighthouse Heritage Seminar 2017:

In previous work programmes the Working Group on Heritage, Conservation and Civil Engineering has planned and held successful Seminars on a variety of topics and it is hoped that this success could be repeated by the attendees to the IALA Heritage Forum.

A discussion took place on possible themes or subjects which might be of interest to those involved looking after Historic Lighthouses.

- Creating business cases – justifying expenditure on historic lighthouses
- The globalisation of lighthouse heritage – colonial lighthouses around the world and their future
- The impact of climate change with rising tide levels, changing weather patterns e.g. fog problems diminished on the Gironde or stronger and more frequent gales

- Mercury removal with alternative bearings, retention of traditional lenses and alternative light sources

There was also some discussion on a host or location for a seminar with the suggestion of a Southern Hemisphere location to spread the Heritage debate further afield although this would impact on the number of traditional European attendees. As an alternative, a possible location was put forward in the Gironde/ Bordeaux region of France where public access and the ability of the authority to look after historic lighthouses are frequent topics of discussion.

*Action Item: All attendees and those interested in the work of the forum are requested to consider volunteering as host for a Lighthouse Heritage Seminar in 2017 with possible locations identified.*

*Action Item: All attendees and those interested in the work of the forum are requested to provide topics which they consider would be of interest to those looking after Historic Lighthouses*

9. Report of the second meeting of the Heritage forum will be published in the Heritage Forum tab of the Committee Area of the IALA Website along with the other documents as indicated in the report under Annex 4.
10. There is continuing concerns within the forum that some of the work items from the EEP Working group were now part of the work of the ENG Committee and it became apparent that there was limited expertise available particularly on the building maintenance. It is also important that the work and interest of the Forum on mercury removal, alternative light sources and continuing use of traditional lenses is included in the work of the ENG Committee.

*Action Item: Bob McIntosh is requested to continue to monitor relevant work of ENG Committee and to bring this to HF3 for information and discussion*

11. Review of Session – no discussion
12. The next meeting of the IALA Heritage Forum (HF3) will take place in St Germain at the IALA Headquarters in conjunction with the IALA ENG Committee meeting (ENG3) on Tuesday and Wednesday 17 & 18 November 2015 to which all those interested in Lighthouse Heritage are invited to attend.
13. Bob McIntosh thanked all the attendees for their contributions and invited them to attend the next meeting HF3 in November 2015 and of course consider a response to the actions raised prior to the next meeting.

Bob McIntosh  
Chair IALA Heritage forum  
June 2015

## **Annex 1 - Heritage Forum 2 19-20 May 2015 – Reports from Attendees**

### **Norway**

The lighthouse tender "Gamle Oksøy" - Lindesnes lighthouse museum is now the owner of the ship Mercury baths: Norway has decided to remove the mercury from lighthouses with revolving lenses. Furthermore many of the fuel-tanks have to be renewed due to environmental regulations. In relation to these challenges a workshop was held at Oksøy lighthouse outside Kristiansand in March where different approaches and solutions were discussed between people from the lighthouse service and the lighthouse museums.

The workshop also discussed the needs and methods for registration of technical equipment at the lighthouses.

Lighthouse seminar: In April the Lighthouse museums, in cooperation with the Lighthouse administration and the Norwegian Lighthouse Society held a seminar on different subjects related to preservation and alternative use of lighthouses. The seminar gathered 40 participants from all over the country, and had a special focus on documentation of lighthouse history.

The "Fairway-project": 20 Norwegian maritime museums have applied for the funding of a national project focusing on the historical development of the coastal fairway and related maritime infrastructure in Norway. It will be a five year project with documentation, scientific investigations and presentation for the general public through books, exhibitions and the internet, using the digital platform of Coastlight.net

International networking: Lindesnes lighthouse museum is participating in a Scandinavian-Baltic network of maritime museums, which is planning a voyage around the Baltic sea during the summer of 2016, visiting 12 ports and producing films to be published at [www.coastlight.net](http://www.coastlight.net)

International year of light: Lindesnes lighthouse museum has produced a small film celebrating the UN "Year of light". The film is free to use for whoever might be interested.

### **New Zealand**

Lighthouse Heritage: New Zealand will be working on a heritage Lighthouse strategy over the coming year. This is a key project to look at how to fund the maintenance of heritage lighthouse structures and associated buildings under our legislation. Maritime New Zealand currently has the safety function, but no heritage function or funding. Attending the ENG 2 heritage forum was seen as good way to gain knowledge from other international authorities on how they manage this issue, make key contacts and learn from their experiences.

Lighthouse Museums & Trusts: Maritime New Zealand is also working with several trusts and local communities on lighthouse open days and displays. This work includes assisting the establishment of a new museum on Tiritiri Matangi and the establishment of a new Trust to manage some surplus buildings on Dog Island.

Coastal Review: New Zealand are currently working on a coastal review, the outcomes from this review may impact on the existing aids to navigation, and implementation of new technology. The outcome of this review is due later this year.

### **Trinity House, England**

The Portland Bill Lighthouse Visitor Centre was officially opened by HRH Princess Royal on 12 May, showing a high level of support for the complementary use of the lighthouse site. The refurbished visitor centre was made possible by a significant donation to the Trinity House Maritime Charity. Trinity House continues to make profitable use of the reserve capacity in its estate and vessels. The letting of the former keepers' cottages, the opening of ten lighthouses to the public, Nash Point Lighthouse weddings and Patricia Voyages are all thriving and performing as required, and all reflect well on Trinity House.



### **Annex 3 - Heritage Forum 2 19-20 May 2015 – List of Actions**

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## **Annex 4 - Heritage Forum 2 19-20 May 2015 – List of Documents**

These documents can be found on the IALA website. In order to obtain the Heritage Forum documents you need a user account with the IALA Website [www.iala-aism.org](http://www.iala-aism.org). Should you not have such an account please connect to the Website and under login, follow the user registration process.

### Heritage Forum 1

#### Document List (3)

hf1\_1\_4\_iala\_heritage\_forum\_draft\_agenda  
hf1\_1\_4\_rev1\_iala\_heritage\_forum\_draft\_agenda  
hf1\_1\_5\_programme\_for\_week  
hf1\_2\_1\_the\_iala\_strategy\_heritage\_forum\_november\_2014  
hf1\_2\_2\_IALA\_Heritage\_Forum\_Technical\_Domains\_and\_Work\_Descriptions\_November\_2014  
hf1\_3\_action\_items\_from\_eep21  
hf1\_6\_1\_draft\_l1\_model\_course\_iala\_wwa\_l1\_5\_on\_historic\_lighthouse\_projects\_rev\_1\_nov14  
hf1\_6\_1\_draft\_l1\_model\_course\_iala\_wwa\_l1\_5\_on\_lighthouse\_decommissioning\_rev\_0\_oct\_14  
hf1\_6\_2\_france\_and\_lighthouse\_preservation  
hf1\_6\_heritage\_forum\_possible\_work\_items  
hf1\_7\_1\_Trinity\_House\_Developments\_in\_Lighthouse\_Conservation\_V2  
hf1\_7\_2\_FÆRDER\_forvaltningsplan\_Management\_Plan  
hf1\_7\_3\_FFF\_pres\_iala\_Fyrets\_Historie  
hf1\_7\_4\_pitch\_Societe\_National\_Phares\_Balises\_20\_10\_2014  
hf1\_7\_5\_information\_lighthouse\_conservation\_and\_national\_lighthouse\_museum\_in\_korea  
hf1\_7\_6\_Restoration\_of\_a\_Lighthouse\_at\_Sea\_Tevennec\_M\_Pointud  
hf1\_7\_7\_Forvaltningsplaner\_Management\_Plan\_poster  
hf1\_7\_8\_Papayianni-IALA-Forum  
hf1\_9\_1\_1\_report\_on\_the\_first\_meeting\_of\_the\_iala\_heritage\_forum

### Heritage Forum 2

hf2\_1\_4\_IALA\_Heritage\_Forum\_Agenda  
hf2\_5\_1\_Dog\_Island\_Lighthouse\_Site\_New\_Zealand  
hf2\_5\_2\_Maritime\_New\_Zealand\_Lighthouses\_Poster  
hf2\_6\_1\_Postings\_on\_Heritage\_at\_IALA\_Website\_February\_2011  
hf2\_6\_2\_iala\_bulletin\_articles\_related\_to\_heritage\_and\_civil\_engineering\_matters  
hf2\_7\_1\_case\_studies\_on\_re\_engineered\_mercury\_bath\_system\_denmark  
hf2\_7\_2\_SEALITE\_2015\_LED\_Light\_Source\_in\_Traditional\_Lens  
hf2\_7\_3\_Cape\_Campbell\_Lighthouse\_Timelapse--mkv  
hf2\_7\_5\_Year\_of\_light\_2015  
hf2\_9\_1\_1\_report\_on\_the\_second\_meeting\_of\_the\_iala\_heritage\_forum