Document Revisions (Title style)

***AISM***Association Internationale de Signalisation Maritime ***IALA***

International Association of Marine Aids to Navigation and Lighthouse Authorities

10, rue des Gaudines

78100 Saint Germain en Laye, France

Telephone: +33 1 34 51 70 01 Fax: +33 1 34 51 82 05

e-mail: [contact@iala-aism.org](mailto:contact@iala-aism.org) Internet: [www.iala-aism.org](http://www.iala-aism.org)

**IALA Guideline No. ####**

**On**

**[The Use of Modern AtoN Equipment in Heritage Lighthouses]**

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Revisions to the IALA Document are to be noted in the table prior to the issue of a revised document.

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Commissioning

This is a broad outline, meant for further review and content development.

# Introduction

Brief introduction explaining the concept of using modern AtoN equipment on heritage lighthouse sites.

Refer broadly to the considerations required when designing, planning, implementing. This would be explained in more detail in following sections.

Refer to importance of national legislation affecting heritage sites and what this means to installation of AtoN equipment.

# planning & TECHNICAL CONSIDERATIONS

Needs analysis and justifications for installation modern aton equipment on historical lighthouses. i.e what is the reason? Location? Does the complexities of the install make it financially prohibitive?

Are there any restrictions on structural changes or additions that may relate to heritage / historical status. Are there any organizations or government bodies that should be consulted? Are there processes or procedures that should be followed.

Assessment of the condition, integrity and suitability of the structure. Can equipment be safely installed?

Incorporating power supplies into a heritage structure – storage, mounting. How? Where?

Methods of installation sensors and equipment (brackets / pedestals). How? Where?

Compatibility of installation methods with structure materials. I.e mounting on masonry, timber etc. How to do it and avoid damaging the structure? How to do it to ensure that equipment is safely installed?

Inter-functionality of systems. Are there multiple systems? Is there equipment that could possibly cause conflict during operation.

Maintaining aesthetics on heritage sites. Need to consider the aesthetic appeal of important heritage lighthouses and ensure this is maintained.

# types of modern aton

Brief content on types of Modern AtoN that can be installed on heritage lighthouse, with some practical considerations – e.g Installation method, location on structure, OH&S risks, power supplies,

Modern light source in traditional optic. Refer to other guidelines as necessary.

AIS / VHF?

CCTV?

Radar?

DGNSS?

Meteorological?

Radio comms?

Power supplies.

# MAINTENANCE and operational considerations

Processes or procedures specific to the structure and materials. I.e maintenance of aton equipment should be non-intrusive and should not result in risk of degradation or damage to structure.

OH&S / access / stability.

Remote monitoring.

Refer to suitable IALA guideline