|  |
| --- |
| IALA Guideline |

1???

The Use of Modern AtoN Equipment in Heritage Lighthouses

Edition 1.0

Document date

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

|  |  |  |
| --- | --- | --- |
| Date | Page / Section Revised | Requirement for Revision |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. INTRODUCTION 4

1.1. (Example Heading level 2) 4

1.2. (Example Heading level 2) 4

2. AIMS AND OBJECTIVES (Example Heading level 1) 4

3. INTRODUCTION (Example Heading level 1) 4

3.1. (Example Heading level 2) 5

3.1.1. (Example heading level 3) 5

4. OVERVIEW (Example Heading level 1) 5

4.1. TABLES 5

5. FIGURES 5

6. ACRONYMS & Definitions 5

6.1. Acronyms 5

6.2. Definitions 5

7. REFERENCES 5

ANNEX A EXAMPLE OF AN ANNEX - LANDSCAPE 5

APPENDIX 1 EXAMPLE OF AN APPENDIX TITLE 5

ANNEX B (EXAMPLE ANNEX TITLE) 5

ANNEX C PERMITTED COLOUR PALETTE 5

List of Tables

Table 1 Example of a table with the significant information in the first column 5

Table 2 Example of a table with the significant information in the first row 5

Table 3 Example of a table with coloured rows 5

Table 4 Example table 5

List of Figures

Figure 1 Example figure 5

Figure 2 Another example figure 5

List of Equations

Equation 1 Geographical range 5

Equation 2 Theory of Special Relativity 5

**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 Aids to Navigation (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 IALA 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

# Acronyms

AIS

AtoN

CCTV

DGNSS

IALA

OH&S

VHF

# REFERENCES

Body text.

1. Abcd
2. Efgh
4. EXAMPLE OF AN ANNEX - LANDSCAPE

Body text

1. example of ANNEX heading level 1

Body text

* 1. example of annex heading level 2

Body text

* + 1. Example of annex heading level 3

Body text

* + - 1. Example of Annex heading level 4

Body text

1. Example table

| No | Title/Topic | IMO References | Requirements | Possible Audit Questions | Remarks |
| --- | --- | --- | --- | --- | --- |
| 1 | Table text | Table text | Table text | Table text | Table text |
| Table text | Table text |
| Table text | Table text |

1. EXAMPLE OF AN APPENDIX TITLE
2. APPENDIX HEADING 1

Body text

* 1. APPENDIX HEADING 2

Body text

* + 1. APPENDIX HEADING 3

Body text

* + - 1. Appendix Heading 4

Body text

1. (EXAMPLE ANNEX TITLE)
2. Introduction (Example Annex Heading 1)

Body text.

* 1. Example of ANNEX HEADING Level 2

Body text

* + 1. Example of annex heading level 3

Body text

* + - 1. Example of Annex heading level 4

Body text

1. PERMITTED COLOUR PALETTE



The IALA colour palette is divided in 3 palettes of different level of hierarchy that has to be respected.

Corporate colours

IALA’s corporate colour palette is directly inspired from the colours in our logotype:

- dark blue

- white

- yellow

- gradient blue

**Primary and secondary colours**

The primary colours are to be applied in complement

with the corporate colours.

This second level of colours gives rhythm and helps

to segment our publications.

The secondary colours are used to highlight

information, titles in a minor proportion only.

**Note: Corporate colours are not shown**

Recommendations

Model Courses

Guidelines