Appendix Revisions

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**IALA Recommendation**

**ENAV-[###] - Appendix 7**

**Internal Reliability Model**

**[Working Towards] Edition 1**

**[2015]**

**Initial Version**

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

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| **Date** | **Page / Section Revised** | **Requirement for Revision** |
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IALA Recommendation ENAV-[####]

Appendix 7 – Internal Reliability Model

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Appendix 7 -

**Internal Reliability Model**

# Introduction

The Internal Reliability Model of the Common Shore based System Architecture (CSSA) Service analyzes the internal reliability aspects of the Service. The CSSA Service is built on several components whose services reliability are well known and documented. Reliability of the CSSA Service can be calculated using standard engineering methods.

The adoption of contemporary risk management practices enables System management

authorities to define, preferably in consultation with mariners and other stakeholders, the

availability requirements for the CSSA system, and to assess its future

Categorization based upon its system significance. The resulting categorization of the

CSSA system may result in some traditional higher category systems being downgraded

and, alternatively, the potential for lower category systems to be upgraded.

1.1Definitions1.1.1 CSSA Serrvice

1.1.2 Service Availability

1.1.3 Service Reliability

1.2. **Considerations**

* Network
* Power
* Environment
* Hardware
* Software
* Machine Interface
* Human Interface
* National concerns and priorities.
  + Formal Safety assessment

**1.3 Assessment Aspects**

* Existing technology
* Logistics
* Redundancy
* Accessibility

Formal procedures for collecting, processing and recording availability data should be

established.

--- develop the structure of the Appendix.

--- for a brief content description compare appropriate section in Main part of the Recommendation



Figure 1 CSSA Service Reliability Model