IALA

IALA STANDARD

1010

AIDS TO NAVIGATION PLANNING & SERVICE REQUIREMENTS

Edition 1.0

June 2018

CONTENTS

1. INTRODUCTION

IALA publishes Standards, Recommendations, and Guidelines for the global harmonisation of the provision, maintenance, and operation of marine aids to navigation, to foster the safe, economic, and efficient movement of vessels, and for the protection of the environment.

They are defined as follows.

Document	Definition
IALA Standards	IALA Standards form a framework, implementation of which by all coastal states will harmonize marine aids to navigation worldwide. IALA standards cover technology and services and are non-mandatory.
IALA Recommendations	IALA Recommendations specify what practices shall be carried out in order to comply with a Recommendation, and may be referenced, in full or in part, in an IALA Standard.
IALA Guidelines	IALA Guidelines describe how to implement practices normally specified in a Recommendation.

In previous documents on IALA structure there was reference to IALA Manuals and Model Courses. Consider including here to provide a full overview of the document categories that IALA publishes.
Manuals: IALA Manuals provide a broad overview of a large topic or identify specific elements for general use – for example, IALA NAVGUIDE; IALA VTS Manual; IALA Maritime Buoyage System and IALA Dictionary.
Model Courses: IALA Model Courses provide guidance on the training of AtoN related personnel (VTS, AtoN Managers, AtoN Technicians)

2. PURPOSE

The IALA Strategic Vision for the period 2014-2026, adopted by the General Assembly in 2014, had two Goals, the first of which is to

Two goals are referenced, but only one stated. Could revise to state 'One of the goals of the IALA Strategic Vision for ...'

> "Ensure that aids to navigation systems and related services, including e-Navigation, Vessel Traffic Services, and emerging technologies, are harmonized through international cooperation and the provision of standards."

IALA Standards are suitable for direct citation by States in the interest of an efficient and harmonised global network of aids to navigation and services.

Two goals are referenced, but only one stated. Could revise to state 'One of the goals of the IALA Strategic Vision for ...'

3. APPLICATION

This Standard is suitable for implementation by all marine aids to navigation authorities.

4.   SCOPE

IALA Standards may contain Normative and Informative provisions.

Normative provisions are those with which it is necessary to conform in order to claim compliance with the Standard.

Informative provisions are those which specify additional desirable practices but with which it is not necessary to conform in order to claim compliance with the Standard.

This Standard references Normative and Informative provisions, detailed in the listed IALA Recommendations, covering the following scope.

- Obligations and regulatory compliance;
- Aids to navigation planning (IALA Maritime Buoyage System, offshore signals, bridge signals, traffic signals, fairway design);
- Virtual marking
- Levels of service (Objectives, Availability and Categories);
- Risk management;
- Quality Management.

5.   REFERENCED DOCUMENTS

In this Standard, any reference to a Recommendation is to the most recent version approved by the IALA Council.

In this Standard the word 'shall' is used to indicate that a provision is Normative and so is to be followed in order to comply with the standard. The word 'should' introduces Informative provisions.

delete 'so'

The following Recommendations are **Normative** provisions, and **shall** be observed if compliance with this Standard is claimed.

Scope	Number	Title
Obligations and regulatory compliance		The IALA Maritime Buoyage System
	E-105	The Need to Follow National and International Standards
Aids to Navigation planning include reference to A-123 (planning AIS shore station) and new VDES recommendation.	E-111	Port Traffic Signals
	O-113	The Marking of Fixed Bridges and Other Structures over Navigable Waters
	O-139	The Marking of Man-Made Offshore Structures
Levels of service	O-130	Categorisation and Availability Objectives for Short Range Aids to Navigation
Quality Management	O-132	Quality Management for Aids to Navigation Authorities
	O-118	The Recording of Aids to Navigation Positions

The following Recommendations are **Informative** provisions and **should** be observed if compliance with this Standard is claimed. <mark>Offline check to see if there are any other IALA recommendations that should be referenced</mark>

Scope	Number	Title
Virtual marking	O-143	Virtual Aids to Navigation
Risk management	O-134	The IALA Risk Management Tool for Ports and Restricted Waterways
	O-138	The Use of GIS and Simulation by Aids to Navigation Authorities

6.   SUPPLEMENTARY ELEMENTS

There are no supplementary elements to this Standard.

7. ADOPTION OF AND AMENDMENT OF STANDARDS

IALA Standards may be adopted or amended by a majority vote at a General Assembly of national members.

8. DOCUMENT HISTORY

Date	Amendment Details	Approval
2018-06-01	First issue	General Assembly Resolution, Incheon, Korea, May 2018.