

# IALA STANDARD

1010

## MARINE AIDS TO NAVIGATION PLANNING & SERVICE REQUIREMENTS

**Edition 1.0**

**May 2018**

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## THE GENERAL ASSEMBLY

**BEARING IN MIND** the provisions of the United Nations Convention on the Law of the Sea (UNCLOS) and the Convention on the Safety of Life at Sea (SOLAS),

**RECOGNIZING** that the aim of IALA is to foster the safe, economic and efficient movement of vessels, through improvement and harmonisation of aids to navigation world-wide,

**RECALLING** Article 7 of the IALA Constitution regarding the authority, duties and functions of the General Assembly,

**RECALLING ALSO** *[insert brief background text related to the Standard]*

**HAVING CONSIDERED** the advice of the Council provided to General Assembly at its 13th Session,

**APPROVES** the IALA Standard 1010 Marine Aids to Navigation Planning and Service Requirements, and

**INVITES** Members and Marine Aids to Navigation Authorities world-wide to undertake to implement the provisions of the Standard.

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## 1. INTRODUCTION

The International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) is a specialized organization for world-wide improvement and harmonization of Marine Aids to Navigation.

The term “Marine Aid to Navigation” referred to in the Constitution of IALA, should be understood to be device, system or service, external to vessels, designed and operated to enhance safe and efficient navigation of individual vessels and/or vessel traffic. For the purposes of IALA this definition includes Vessel Traffic Services.

IALA publishes Standards, Recommendations, and Guidelines, defined as follows.

Document	Definition
<b>IALA Standards</b>	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.
<b>IALA Recommendations</b>	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.
<b>IALA Guidelines</b>	IALA Guidelines describe how to implement practices normally specified in a Recommendation.

## 2. PURPOSE

The IALA Strategic Vision for the period 2014-2026, adopted by the General Assembly in 2014, includes the Goal to

“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 Marine Aids to Navigation and services.

## 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 to 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 to 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 is to be followed in order to comply with the Standard. The word 'should' introduces informative provisions.

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

Scope	Number	Title
Maritime Buoyage System	R1001	IALA Maritime Buoyage System and other Marine Aids to Navigation
Obligations and regulatory compliance		
Aids to Navigation planning	R0111(E-111)	Port Traffic Signals
	R0113(O-113)	The Marking of Fixed Bridges and Other Structures over Navigable Waters
	R0139(O-139)	The Marking of Man-Made Offshore Structures
Levels of service	R0130(O-130)	Categorisation and Availability Objectives for Short Range Aids to Navigation
Risk Management	R1002	Risk Management for Marine Aids to Navigation and Related Services
Quality Management	R0132(O-132)	Quality Management for Aids to Navigation Authorities
	R0118(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.

Scope	Number	Title
Aids to Navigation planning	R1010	The Involvement of Maritime Authorities in Marine Spatial Planning
Virtual marking	R0143(O-143)	Provision of Virtual Aids to Navigation

<b>Risk management</b>	R1003	Maritime Data Sharing for Risk Assessment and Analysis
	R0138(O-138)	The Use of GIS and Simulation by Aids to Navigation Authorities
	R1009	Disaster Recovery

## 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	Details	Approval
2018-05-29	First issue	General Assembly Resolution, Incheon, Republic of Korea, May 2018.