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IALA STANDARD

1030

RADIONAVIGATION SERVICES

Edition 1.0

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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.

2. PURPOSE

The IALA Strategic Vision for the period 2014-2026, adopted by the General Assembly in 2014, ~~had two~~ includes the Goal ~~s~~, the first of which is 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 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.

- Satellite systems for positioning and timing
- Terrestrial systems for positioning and timing
- Racon and radar positioning



- Terrestrial positioning augmentation services (DGNSS)

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 ~~s~~Standard. The word ‘should’ introduces Informative provisions.

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

Scope	Number	Title
Racon and radar positioning	R-101 R0101	Marine Radar Beacons (racons)
Terrestrial augmentation services (DGNSS)	R-115 R0115	The Provision o Of Maritime Radionavigation Services i n t he Frequency Band 283.5-315 kHz i n Region 1 and 285-325 kHz i n Region 2 a And 3
	R-121 R0121	The Performance and Monitoring of DGNSS Services in the Frequency Band 283.5 - 325 kHz

The following Recommendations are **Informative** provisions and **should** be observed if compliance with this Standard is claimed.

Scope	Number	Title
Racon and radar positioning	e-NAV 146	Strategy for Maintaining Racon Service Capability
Terrestrial augmentation services (DGNSS)	R-129 R0129	GNSS Vulnerability and Mitigation Measures
	R0150	DGNSS service provision upgrade and future use
	R-135	The Future of DGNSS

Commenté [JD1]: PAP33-10.2 – recommends to change to Guideline and reference in proposed R0101 on marine radar beacons

Commenté [JD2]: PAP33-10.2 – recommends to change to Guideline and reference in proposed new standard on satellite PNT – leave in standard until new PNT Recommendation is developed

Commenté [JD3]: PAP33-10.2 – recommends to change to Guideline and not include in Standard 1030

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



C63-8.4.1.3

Date	Amendment Details	Approval
2018-06-01	First issue	General Assembly Resolution, Incheon, <u>Republic of</u> Korea, May 2018.

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