IALA

IALA STANDARD

1070

INFORMATION SERVICES

Edition 1.0
May 2018

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 1070 Information Services, and

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

CONTENTS

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
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, 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.

- Harmonised maritime connectivity framework (Common Marine Data Structure)

- Data models and data encoding (IVEF, S-100, S-200, Application Specific Messages)

- Data exchange systems (Traffic Information)

- User requirements

- Terminology and symbology (IALA Dictionary)

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 with this Standard is claimed.

Scope	Number	Title
Data models and data encoding (IVEF, S-100, S-200, Application Specific Messages)	1070-R0144(e-NAV-144)	Harmonized implementation of Application Specific Messages (ASM)
	1070-R0147(e-NAV-147)	Product Specification Development and Management
	1070-R0145(V-145)	The Inter-VTS Exchange Format (IVEF) Service

The following Recommendations areThere are no **informative** provisions and that **should** be observed if compliance with this Standard is claimed.

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.