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| IALA Recommendation  (Normative) |

Rnnnn

THe use of the Automatic identification system(AIS) in marine aids to navigation services

Edition 1.0

Date (of approval by Council)

urn:mrn:iala:pub:rnnnn

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

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THE COUNCIL

**RECALLING**:

1. The function of IALA with respect to Safety of Navigation, the efficiency of maritime transport and the protection of the environment.
2. Article 8 of the IALA Constitution regarding the authority, duties and functions of the Council.

**RECOGNIZING**:

1. The need to develop a comprehensive guidance on the use of automatic identification systems(AIS) within IALA’s remit.

2 AIS has been equipped on most of the vessels to provide information,including ship’s identity position and other safety-related information.

**CONSIDERING:**

1 The IALA work programme for 2023-2027, which requires the full review of A-126, G1084 and G1084 and other AIS associated documentation.

2 The various applications of AIS that have been identified by IMO,ITU,IEC and IALA.

**NOTING:**

1 The appropriate use of AIS is crucial for the improvement of the safety of navigation in assisting the efficient navigation of ships, protection of environment and operation of Vessel Traffic Services(VTS).

2 Regulation V/19.2.4 of the 1974 SOLAS Convention, as amended, on the carriage of AIS equipment on board ships;

3 The work carried out by IALA on shipborne automatic identification systems has facilitated the development and adoption of a suite of technical and operational publications by other bodies such as IMO, ITU, IHO and IEC:

a ITU-R Recommendation M.585- 9 Assignment and use of identities in the maritime mobile service;

b ITU-R Recommendation M. 1371-5 on the Technical Characteristics for a Ship-borne Automatic Identification System (AIS) Using Time Division Multiple Access in the Maritime Mobile Band;

c IEC 61993-2 Ed3.0 Class A Shipborne equipment of the Universal Automatic Identification System (AIS)-Operational and Performance requirements, methods of testing and required test results;

d IEC 62320-1 AIS Base Stations–Minimum operational and performance requirements –methods of test and required test results;

e IEC 62320-2 AIS AtoN stations–Operational and performance requirements, methods of testing and required test results;

f IEC 62287-1 Class B shipborne equiment of the automatic identification system (AIS) Carrier-sense time division multiple access (CSTDMA) techniques;

g IEC 62287-2 Class B shipborne equiment of the automatic identification system (AIS) Self-organising time division multiple access (SOTDMA) techniques;

h IEC 62288 Maritime navigation and radiocommunication equipment and systems–Presentation of navigation related information on shipborne navigational displays–General requirements, methods of testing and required test results;

i IMO Recommendation on Performance Standards for a ship-borne Automatic Identification System (AIS), (MSC 74(69) Annex 3);

j IMO Res. A.1106(29) 2015 Revised Guidelines for the onboard use of shipborne automatic identification systems AIS;

k IMO MSC 232(82) Performance Standards for ECDIS;

l IMO MSC.192(79) Performance standards for radar equipment;

n IMO MSC SN.1/Circ.243/Rev.1 Amended Guidelines for the Presentation of Navigation-Related Symbols, Terms and Abbreviations;

o IMO MSC.1/Circ. 1473 Policy on use of AIS Aids to Navigation;and

p IMO SN.1/Circ.289 - Guidance on the use of AIS application-specific messages;

**RECOMMENDS:**

1 That National members and other appropriate authorities providing Marine Aids to Navigation services use AIS as part of their Marine Aids to Navigation services, such as deploying Real AIS AtoN, Virtual AIS AtoN, for the provision of information and data to shipping and monitoring and control purposes.

2 That National members and other appropriate authorities providing Marine Aids to Navigation consider measures to raise awareness of the use and limitations associated with AIS and develop their AIS management processes to ensure that correct AIS information is broadcast to vessels and shore authorities if necessary.

**INVITES** Members and Marine Aids to Navigation authorities worldwide to implement the provisions of the Recommendation.

**REQUESTS** the ARM Committee to keep the Recommendation under review and to propose amendments, as necessary.