IALA RECOMMENDATION (NORMATIVE)

R0144 (E-NAV-144)
HARMONIZED IMPLEMENTATION OF APPLICATION SPECIFIC MESSAGES (ASM)

Edition 1.1

June 2011

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DOCUMENT REVISION

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

Date	Details	Approval
June 2011	1st issue	
September 2020	Edition 1.1 Editorial corrections.	

THE COUNCIL

RECALLING that one of the aims of the association is to foster the safe, economic and efficient movement of vessels and the protection of the environment through the improvement and harmonisation of aids to navigation and Vessel Traffic Services;

RECOGNIZING Regulation 13 of Chapter V of the SOLAS Convention 1974, as amended, on the establishment and operation of aids to navigation;

RECOGNIZING ALSO Regulation 10 of Chapter V of the SOLAS Convention 1974, as amended, on ships routeing measures;

RECOGNIZING FURTHER Regulation 4 of Chapter V of the SOLAS Convention 1974, as amended, on navigational warnings;

RECOGNIZING FURTHER that IMO through the publication of SN/Circ. 289 has updated the internationally recognized definitions of ASM for operational digital communication through the use of AIS and through SN/Circ. 290 provided basic guidance on portrayal issues;

NOTING that the definition and applicability of Regional ASM is under the responsibility of the National Competent Authority responsible for the relevant Designated Area Code (DAC) of a Regional Application Specific Message;

NOTING ALSO that the use of Regional ASM for various operational purposes is widespread and developing rapidly;

NOTING ALSO that technical questions requiring guidance on the implementation of ASM has previously arisen and is likely to arise in the future

NOTING ALSO that 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;

NOTING ALSO that IALA at the request of the ITU is maintaining Technical Clarification for ITU-R M.1371 to support harmonization of its member's application of AIS;

NOTING ALSO that IALA has adopted:

- Recommendation R0123 (A-123) on the *Provision of Shore Based Automatic Identification Systems* (AIS);

- Recommendation R0124 (A-124) *on AIS Shore Stations and Networking Aspects Related to the AIS Service*;

- Recommendation R0126 (A-126) on the *Use of the Automatic Identification System (AIS) in Marine Aids to Navigation Services*;

- Guideline G1062 *on Establishment of AIS as an Aid to Navigation*; and

- The *IALA NAVGUIDE* (5th Edition), which includes a section on the use of AIS as an aid to navigation;

CONSIDERING that various applications of AIS have been identified by IMO, ITU, IEC and IALA;

CONSIDERING FURTHER the strategic elements of the IMO e-Navigation strategy and the supportive work undertaken by the e-Navigation committee of IALA

CONSIDERING FURTHER that IALA has previously initiated the collection of definitions of Regional ASM with the aim of facilitating and identifying the potential for harmonization, and that an updated collection with a user-friendly web access portal now exists, accessible via the IALA website;

CONSIDERING FURTHER that submission of Regional ASM to the IALA collection is not a matter of approval, but a matter of collecting the Regional ASM in use;

CONSIDERING FURTHER that the establishment of a formal Register for ASM and a related governance process would occur after the initial collection process;

RECOMMENDS that**:**

1   National as well as Industrial Members and other authorities recognize the urgency of the need for harmonization of content, encoding, application and portrayal of ASM to facilitate communications, including data exchange, among ship to ship, ship to shore, shore to ship, shore to shore and other users, through digital communication links;

2   Members as a matter of priority support the efforts of IALA to collect the definitions, applications and portrayal guidance on these, and submit their information to the online IALA collection, taking into account the rapid development in the use of Regional ASM for various purposes;

3   National Members as a matter of priority take the steps necessary to ensure that a National Competent Authority is assigned the responsibility for managing the use of Regional ASM, as well as monitoring and managing the use of the AIS VHF Datalink, to ensure its safe function for safety of navigation;

4   Members make use of the IALA ASM collection by taking into account other updated definitions of ASM and related guidance, before developing new or implementing the use of existing Regional ASM;

5   Members contribute to the efforts of the IALA e-Navigation committee to further develop guidelines for the harmonized implementation of ASM for use via AIS or other means of digital communication;

6   Members ensure that other relevant parties engaged in the use of ASM to contribute to the IALA ASM collection through their National IALA Member.