IALA RECOMMENDATION (NORMATIVE)

R0147 (e-NAV-147)
PRODUCT SPECIFICATION DEVELOPMENT AND MANAGEMENT

Edition 2.1

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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
29 May 2015	1st issue	Council session 60
16 June 2017	Revised to new IALA format and numbering, the Annex containing the rationale for the recommendation was not necessary and was removed.	Council session 64
September 2020	Edition 2.1 Editorial corrections.	

THE COUNCIL

RECALLING the function of IALA with respect to Safety of Navigation, the efficiency of maritime transport and the protection of the environment,

RECALLING ALSO Article 8 of the IALA Constitution regarding the authority, duties and functions of the Council,

RECOGNIZING that harmonized information exchange products will:

1   Assist in the platform and system independent exchange of information.

2   Assist in the development of applications for information exchange ship to ship, ship to shore, shore to ship, and shore to shore in the context of e-Navigation.

3   Assist administrations in the efficient deployment of their operational and technical services and to maintain them with the service levels published in their maritime service portfolios.

NOTING that:

1   A strategy for the implementation of e-Navigation has been established by the International Maritime Organisation (IMO) as well as an implementation plan for that strategy and that both are relevant to IALA and IALA membership.

2   IMO has established user needs for both shipboard and shore-based users and has stipulated that the implementation of e-Navigation should satisfy those user needs.

3   IMO has initially defined the overarching architecture for e-Navigation which includes, amongst other things, the notion of a 'common shore-based technical system harmonised for e-Navigation' as well as the concept of operational and technical services embedded in the overarching concept of the Maritime Service Portfolios (MSPs).

4   IMO has expressed an interest in the contribution of IALA to the work on e-Navigation and has recognized Coastal states' VTS provisions and their shore-based infrastructures in their enabling role for e-Navigation as well as IALA's role in this regard.

5   The IMO e-Navigation strategy has a core objective to support maritime transport processes, including the maritime logistics chain, and that the IMO Secretary General has published a concept of a Sustainable Maritime Transportation System (SMTS) which references IALA's work regarding the 'maritime traffic support and advisory systems'.

6   The International Hydrographic Organisation (IHO) has established a Geo-spatial Information Registry (GI Registry), as defined in their publications S-100 and S-99 and has introduced the notion of 'products' as an internationally unified rule base for the combination of different parts of the GI Registry to 'products'.

7   IMO has decided that the IHO standard S-100 should be the baseline for the IMO envisaged Common Maritime Data Structure (CMDS).

8   IALA has acquired the status of a 'Submitting Organisation' and is the 'Domain Owner' of the S-200 Domain in the IHO's GI Registry.

CONSIDERING the proposals of the IALA e-Navigation Committee,

ADOPTS the Recommendation on Product Specification Development and Management as described below,

INVITES Members and marine aids to navigation Authorities worldwide to comply with the provisions on Product Specification Development and Management,

RECOMMENDS that National Members and other appropriate Authorities providing aids to navigation services:

1   make use of the IHO GI Registry for the provision of e-Navigation services.

2   take into account the relevant guideline(s) on developing product specifications for the S-200 domain, when developing e-Navigation products.

3   take into account the IALA domains management procedures as described in the relevant IALA guideline G1087, when developing e-Navigation products.

4   provide IALA with the technical capability and expertise for the development of e-Navigation Product Specifications for the S-200 domain.

RECOMMENDS ALSO that Industrial Members take the above recommendations into account when developing and implementing e-navigation products and services for their customers.

REQUESTS the IALA e-Navigation Committee or such other committee as the Council may direct to keep the Recommendation under review and to propose amendments as necessary.