

IALA COUNCIL
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11 – TECHNICAL ACTIVITIES

S-100 Change proposal to IHO

Note by the Secretariat

1. BACKGROUND

S-100, The Universal Hydrographic Data Model, was adopted by the IHO on 1 January 2010. It explains how the IHO will use and extend the ISO 19000 series of geographic standards for hydrographic, maritime and related issues and provides a framework for the development of e-navigation products.

IALA is working with the International Hydrographic Office (IHO) in the development of S-100 based product specifications.

IALA is in the process of creating S-100 based product specifications to support the future implementation of e-navigation. To support this process the Guideline 1106 on Producing an IALA S-100 based Product Specification was developed.

However the current S-100 does not appear to support streaming (data) services. The support of streaming data services is needed for envisaged e-navigation services in the IMO defined MSPs.

2. CHANGE PROPOSAL

This is a Change Proposal to be submitted to the IHO requesting a change to S-100 to include support of streaming data services under e-navigation session oriented services.

The Proposal also suggests various changes throughout S-100 to remove dataset limitations.

Three annexes are provided in support of the proposal.

The finalised documents are submitted as follows:

- Input papers C62-11.4.6.1, S-100 Maintenance - Change Proposal Form (*formerly ENAV18-14.1.12*). This summarises the proposal to change S-100.
- Input paper C62-11.4.6.2, Change Proposal Annex A, Session Oriented Services (*formerly ENAV18-14.1.13*). This describes the service components and processes needed to specify an exchange of information of a continuous nature (streaming data).
- Input paper C62-11.4.6.3, Change Proposal Annex B, change matrix S-100 (*formerly ENAV18-14.1.14*). This is a table of proposed changes to various parts of S-100.
- Input paper C62-11.4.6.4, Change Proposal Annex C, exercise output documents (*formerly ENAV18-14.1.15*). This is a report of a gap analysis study of IVEF services (Intersystem Vessel traffic image Exchange Format services) to specify what exactly is needed in the S-100 framework to fit the needs of streaming data services.

3. THE COUNCIL IS REQUESTED TO

Approve the Change Proposal for S-100 to be submitted to the IHO and its three associated annexes.