Liaison Note to IHO S-100 WG and IHO NIPWG on S-100 on-line Data Exchange

Request to add a new chapter to the S-100 Standard

1 Summary

While defining the S-100 product specification for the Inter VTS Exchange Format IALA identified the need for exchanging smaller data entities between systems continuously. Similar needs are detected in discussion of various services as defined in the Maritime Service Specification. This implies data exchange mechanisms additional to file based data exchange.

This paper is the result of the gap-analysis done on streaming and session-based data. The processes have been negotiated between IHO and IALA. The attached output paper C65-11.4.2.8.1 is an update of the previously submitted change request and is provided for consideration as an extension to the S-100 Standard to the next IHO S-100 WG meeting in April 2018.

1.1 Purpose of the document

The primary goal for S-100 is to support a greater variety of hydrographic-related digital data sources, products, and customers. This enables the development of new applications that go beyond the scope of traditional hydrography - for example real time data exchange and online services for acquiring, processing, analyzing, accessing, and presenting data.

This part describes the service components and processes needed to specify an online exchange of information i.e. beyond that found with the exchange of static datasets mostly handled as files.

1.2 Related documents

This document is consistent with the IALA Draft Guideline on Specification of e-Navigation Technical Services (submitted to IALA Council for approval).

- C65-11.4.3.3 Change Proposal S-100 ;
- C65-11.4.3.4 Liaison note on S100 Online Data Exchange.

2 Action requested

The Workgroup is requested to:

1   Note the findings in C65-11.4.3.4;

2   Consider the proposed chapter with a view to extending the S-100 Standard.

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