Input paper: [[1]](#footnote-1) ENAV21-9.8

Input paper for the following Committee(s): check as appropriate Purpose of paper:

**□** ARM **□** ENG **□** PAP **X** Input

**X** ENAV **□** VTS **□** Information

Agenda item [[2]](#footnote-2) (from agenda) 9

Workplan Task Number / Technical Domain 2 …………………………………

Working Group WG 1

Author(s) / Submitter(s) Axel Hahn

Session Oriented Communication and Streaming

# Summary

While defining the S100 product specification for the Inter VTS Exchange Format IALA identified the need for exchanging smaller data entities between systems continuously. Additional similar needs are detected in discussion of various services as defined in the Maritime Service Specification. This implies additional data exchange mechanisms additional to file bases data exchange.

This input paper is the resulting answer to the gap-analysis done on streaming and session-based data. The processes have been negotiated between IHO and IALA. The respective output paper should be forwarded to IHO S-100 WG1 for the upcoming IHO conference in April 2018.

## 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 exchange of information of a continuous nature. This is also known as “streaming data”, wherein the data requires a more dynamic information flow to be available, i.e. beyond that found with the exchange of static datasets mostly handled as files.

## Related documents

ENAV21-9.8.1 IALA S100 Session Streaming Data.docx

# Action requested of the Committee

The Committee is requested to:

1. Note the findings
2. The respective output paper should be forwarded to IHO S-100 WG1 for the upcoming IHO conference in April 2018.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Input papers should be assigned to a work task as listed in the Committee work plan which is available in input papers. Leave open if uncertain but consider how the paper is to be processed if not relevant to a work task [↑](#footnote-ref-2)