

From: IALA
To: IHO NIPWG

LIAISON NOTE

Operational Interaction Diagram

1 INTRODUCTION

During IHO NIPWG10 in September 2023 the IALA ARM Chair agreed to support further development of an S-100 operational interaction diagram. An input paper to ARM17 (ARM17-6.2.5 NIPWG10 outcomes relevant to IALA) detailed the task request.

At ARM17, the task was accepted into the ARM work programme and included in the WG2 task plan under task 7.1.2 described as ‘contribute to the standardization efforts with respect of the requirements of the S-100 domain experts’. The task commenced during ARM17 and continued intersessionally. The task was finalized and approved during ARM18.

The following comments were recorded during the approval of the operational interaction diagram:

- Definitions of Predicted and Forecasted – in the S-100 and S-101 operational interaction diagrams the terms ‘predicted’ and ‘forecasted’ are used to describe two different temporal scales for S-104 and S-111 data flows. These terms are not defined within the IHO Geospatial Information Registry or in the S-104 and S-111 product specifications. IHO NIPWG is invited to consider developing definitions to clarify the temporal scale meant to be conveyed by the terms forecasted and predicted.
- S-421 Interactions – the S-421 operational interaction diagram depicts interactions between IALA product specifications (S-210, S-211, S-212) and the IHO’s S-129 product specification, due to clearly documented intention for S-421 datasets to interact with these product specifications. S-421 has the potential to be used as an enabler for many new services and contribute to a higher level of automated reporting, in addition to the interactions documented in the diagram, by providing ships intended track, ETA at every waypoint, and port ETA. As S-421 is the responsibility of the IEC, IHO NIPWG is invited to consider further development of the S-421 operational interaction diagram in collaboration with IEC and IALA.
- During intersessional work it was noted that the summary descriptions of product specifications provided on the IHO website at <https://iho.int/en/iho-s-101-to-s-199> describe the relationship of some product specifications to S-101 as “auxiliary,” “supplement/supplementary,” or “complements.” It was further noted that it is unclear if these descriptions are intended to convey an operational interaction between the described product specification and S-101. IHO NIPWG is invited to consider whether the summary descriptions intend to convey the nature of interaction between the listed product specifications and take appropriate action.

2 ACTION REQUESTED

IHO NIPWG is requested to note the diagram and comments and take appropriate action.

3 ANNEXES

C80-12.1.1.1 Operational Interaction Diagram, Visio project

C80-12.1.1.2 Operational Interaction Diagram, PDF format

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