



16th Meeting of the Hydrographic Services and Standards Committee

Report of the S-124 Project Team

Agenda Item 07.1B

HSSC-16, Tokyo, Japan, 27 – 31 May 2024



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PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

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1. Project Team chair working with WWNWS-Sc to prepare for operational status, including how the product specification will be maintained post 2.0.0.
2. At WWNWS15 several working groups and testing efforts were started;
 - Testing and review of the product specification;
 - Working group has been stood up to maintain the Data Capture and Encoding Guide;
 - Working groups for data validation;
 - Working group on portrayal;
 - Working group on S-164 interaction are being established.
3. The Sub-Committee invites ECDIS Manufacturers to engage with regards to S-124, or may engage with CIRM for similar dialogue.



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S-124 Product Specification Development;

- Comment adjudication is ongoing with efforts focused on finishing drafting the product specification's main document the major work remaining.
- Options for In-force bulletin mechanisms discussed with S-100WG at their 8th meeting. Also discussed at the same meeting was the mechanism for cancelling datasets using the metadata attributes provided in S-100 5.2.0. The agreed methodologies have been written into the product specifications.
- Input provided to S-98 Annex C with descriptions of functions needed to ensure the ECDIS implementors are prepared to receive S-124 datasets
- Portrayal components have been submitted to GI Registry, waiting for the submission comment period to finish and then will create the PC using the IHO toolset with support from Dr. Sewoong Oh and his team at KRISO.
- 1.5 of FC/PC/GML schema has been sent out for review. Model matches latest version in draft. Once comments have been received and adjudicated the 2.0.0 version will be completed and sent out for PT review and submitted to HSSC.



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Impact Study

The draft impact study is finalized, see Annex A to the report, by the chair of WWNWS-Sub Committee, it follows the pattern set by NIPWG and gives the best assessment of how the Sub Committee views the impacts on the various stakeholders as S-124 gets released as an operational product specification.



- Testbeds using SECOM based services have been started in Australia, Canada and Finland using a software library created by UK's General Lighthouse Authority – Research and Development division.
- This cooperation is done within the informal Digital Incubator Initiative (<https://digitalincubator.maritimeconnectivity.net/>).
- These testbeds are at various levels in implementing SECOM compatible services using the Maritime Connectivity Platform (MCP) technology for service discovery and identity management.
- Canada has also partnered with IIC Technology to create an ECS like tool to consume the S-124 service and test both the service provision and service consumption parts of a SECOM distribution chain. The tool can be quickly demoed at HSSC16.



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FUTURE WORK PROGRAMME

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1. Product specification development remains the main focus of the Project Team and the aim is to have a candidate version ready for Edition 2.0.0 approval by WWNSW-SC during the northern hemisphere summer.



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ACTIONS REQUESTED FROM HSSC

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1. To note the report and comment as needed