Report of the S-124 Project Team

Submitted by:	Eivind Mong, Chairman
Related Documents:	S-124
Related Projects:	S-100

Chair:	Eivind Mong, Canada
Vice-Chair:	N/A
Secretary:	N/A
Member States:	Australia, Brazil, Canada, China, Denmark, France, Germany, Greece, Japan, New Zealand, Norway, Portugal, Republic of Korea, Sweden, Turkey, United Kingdom, United States.
Expert Contributor Organisations:	CIRM, Furuno, Inmarsat, Iridium, Kongsberg Norcontrol AS, KRISO, NautoShark Ltd, SevenCs, Wartsila, WR Systems.

Meetings Held During Reporting Period

One day during WWNWS15 was dedicated exclusively to S-124 discussions. See meeting minutes for details.

Project Team chair working with WWNWS-Sc to prepare for operational status, including how the product specification will be maintained post 2.0.0. PT chair presented at WWNWS15 on likely needs for WWNWS-Sc considerations. Several working groups and testing efforts were started. Testing and review of the product specification subsequently generated a significant number of comments for the product specification. Also, a working group has been stood up to maintain the Data Capture and Encoding Guide. Moreover, working groups for data validation, portrayal, S-164 interaction are being established. The Sub-Committee invites ECDIS Manufacturers to engage with regards to S-124, or may engage with CIRM for similar dialogue.

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. Concluded that 3 options are available and that the product specification should include all three options that a service can choose from to utilize what is best for the service instance. 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 and provide end users with dialogue windows to understand the progression of NAVWARN information from new NAVWARN till its conclusion and cancellation.

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.

Impact Study
The draft impact study is finalized, see Annex A, 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
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 demoed at HSSC16.

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

Action Required of HSSC
The HSSC is invited to:
   a.   note this report
   b.   comment on the impact study
   c.   consider the appropriateness of demoing the ECS tool to present the S-124 service during the HSSC meeting.