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, Republic of Korea, Sweden, Turkey, United Kingdom, United States.
Expert Contributor Organisations:	CIRM, Furuno, Inmarsat, Iridium, Kongsberg Norcontrol AS, KRISO, SevenCs, Wartsila, WR Systems.

Meetings Held During Reporting Period

S-124PT2 VTC was held in June 2021.

Several VTC task group meetings held in fall of 2021 for finalizing data model.

Work Program
The work program is proceeding although a little delayed due to various factors, including COVID restrictions on travel.

Language of S-124 Service

During the Project Team VTC meeting, the issue of language was discussed in detail. There was a conclusion that for SOLAS vessels, language is dictated by SOLAS V and requires English meaning that S—124 services that are directed to international shipping, must provide such services at least in English. There was therefore agreement in the project team to construct S-124 in such a way that multi language is possible, but make a distinction between navigational warnings issued in an international service versus a national service. In a national service the S-124 datasets may be issued in only local language.

Data model work

S-124PT established a 'tiger team' to finalize the S-124 data model work and preparation for Registry submissions. This work was completed in late 2021 and submission to the GI Registry was completed in December. Over 400 registry submission have been completed.

At the end of the submission processing time as prescribed by S-99 as "approval process shall normally be completed within a time period of 60 day", the S-124 submissions has experienced several weeks of delays. The

Registry Manager explained that his was due to some Domain Control Body (DCB) members not having submitted their approval or comments to the submissions. The Registry Manager further explained that the functionality of overriding DCB members at the end of the 60 days is still untested and he was therefore unable to progress the submissions within the time limit without full DCB members approval. After about 110 days, the submissions were fully processed, as the Registry Manager was assisted by the Registry development team in processing the submissions. S-124PT is working with the Registry Manager to address concerns raised with about 10% of the total submissions.

The delays are unfortunate since this delays the development of the S-124 Feature Catalogue, GML schema and portrayal catalogue parts of the S-124 product specification. Once the submissions have been finalized, a feature catalogue will be made.

Portrayal

Portrayal discussions took place during the reporting period and concluded with a number of recommendations for how S-124 portrayal should look and behave. The chair of Nautical Cartography Working Group (NCWG) was consulted on the outcomes of the portrayal discussions, and issued NCWG Letter 2/2021 to solicit feedback on the S-124 portrayal. No feedback has been received by S-124PT, so it is considered that the direction of portrayal is appropriate and is preparing for developing a portrayal catalogue as soon as the feature catalogue has been completed.

Testbeds

There is currently a slowing down in testbed activities related to S-124 with STM Validation related projects having ended and others still waiting to kick off. IEC 63173-2 Maritime navigation and radiocommunication equipment and systems. Data interface Part 2. Secure exchange and communication of S-100 based products (SECOM) – includes an example of a service providing S-124 Navigational Warnings. It is hoped that with the near release of this standard, more testing will be available for S-124 services. However, it is recognized that this increases the pressure to get S-124 into an Edition 1.0.0 status. The S-124PT aims at having a candidate version ready for Edition 1.0.0 endorsement by WWNWS and a subsequent submission to HSSC for approval to go to Edition 1.0.0. Simultaneously, work is being planned for a review of the draft S-124 Technical Service Specification that describe how machine to machine interaction works for a S-124 service.

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 1.0.0 endorsement by WWNSW14 in September, 2022.

Action Required of HSSC
The HSSC is invited to:

      a.   note this report