15th Meeting of the Hydrographic Services and Standards Committee

Report of the S-101 Project Team

Agenda Item 05.1C

HSSC-15, Helsinki, Finland, 5 – 9 June 2023

PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

1. Since HSSC 14 the S-101 Project Team has focussed on the delivery of S-101 Edition 1.1.0. Following S-100WG approval under S-100 WG Letter 01/2023 this has now been published.

2. Action HSSC14/11 is therefore considered **COMPLETED** for the S-101PT as S-101 Edition 1.1.0 reflects S-100 Edition 5.0.0

3. The S-101PT9 meeting took place in November 2022 in Wellington, New Zealand alongside ENCWG7

PROBLEMS OR OUTSTANDING ISSUES

1. Resources remain a key challenge for the Project Team. Key contributions from Republic of Korea (KHOA) and US (NIWC) have been key to success along with additional contributors to work on S-101 Portrayal

2. Funding has been used to support S-101 in terms of Test Datasets. Through the Special Projects Fund the IHO Secretariat has supported this work which has delivered S-101 datasets to support the Portrayal Catalogues development and will shortly deliver datasets to support S-164 and S-101 Validation

3. S-101 remains dependent on the maturity of S-98, S-164 and the dual fuel concept so until these are more mature and tested S-101 cannot progress towards operational use (the ISO 9001 cell report expands on risks posed see HSSC15-05.5B)

The objective remains to submit S-101 Edition 2.0.0 to HSSC 16; this faces a number of challenges:

- Adequate and effective testing of S-101 Edition 1.1.0 including End User Validation

- Maturity and publication of other S-100 components such as the GI Registry, S-98, S-128 and S-164

- Capacity to implement changes and prepare all required components noting the need to seek S-100WG approval (likely by correspondence) before the closing date for submission of papers for HSSC16

- Although Edition 2.0.0 can be delivered it seems likely that testing will identify improvements and refinements therefore the PT expects that 2.0.0 may iterate through further versions e.g. 2.1.0 before the IMO in force date for ECDIS of 01 Jan 2026

- To achieve the full capabilities it will be necessary to conduct testing with other S-10x specifications (S-102[1], S-104) and as yet these have not reached the required maturity for testing to take place

1 For example S-102 2.3.0 is expected Nov 2023

1. S-101 is now in a key period where active testing is needed to allow S-101 Edition 2.0.0 to be delivered

2. It is planned to produce an Edition 1.2.0 to allow further improvements to be incorporated and tested to de-risk Edition 2.0.0 (1.2.0 is planned to conform to S-100 5.0.0)

3. The Project Team intends to meet twice in 2023 to support progress towards S-101 2.0.0
- PT10 Brest, France 13-15 June
- PT11 Lombok, Indonesia 25-29 September (alongside ENCWG8)

ACTIONS REQUESTED FROM HSSC

1. Note the progress made to deliver S-101 Edition 1.1.0

2. Recognise the efforts of Project Team members in achieving this goal

3. Endorse the Way Ahead set out by the PT and described in the accompanying Workplan

S-101PT WORKPLAN @ 20230512

A1	Develop and Finalize Edition 2.0.0 of S-101 ENC Product Specification					
	Test S-101 1.1.0 and further develop drafts of the standard so that a 2.0.0 draft can be submitted for approval to S-100WG and then to HSSC in 2024.					
Ref	Task	Dependencies	Who	Start	End	Status
A.1.1	Seek Approval of S-101 1.1.0 by S-100WG Circular Letter	None	S-100WG	17/04/2023	01/05/2023	COMPLETED
A.1.2	Review and process feedback from S-101 1.1.0 Testing	A1.1	ALL	01/05/2023	ONGOING	IN PROGRESS
A.1.3	Prepare S-101 1.2.0 (PT10 to resolve final comments)	A1.2	ALL	01/05/2023	01/07/2023	PLANNED
A.1.4	Publish S-101 1.2.0 S-100WG Approval by CL	A1.3	Chair	01/07/2023	01/08/2023	PLANNED
A.1.5	Prepare S-101 2.0.0 (PT11 to resolve final comments)	A1.3	ALL	01/07/2023	01/10/2023	PLANNED
A.1.6	DQWG to conduct final review of S-101 2.0.0	A1.5	DQWG	01/10/2023	01/11/2023	PLANNED
A.1.7	Seek S-100 WG Approval of S-101 2.0.0	A1.5	Chair	01/10/2023	Early 2024	PLANNED
A.1.8	Submit S-101 2.0.0 to HSSC 16 for Approval	A1.7	Chair	Early 2024	TBD	PLANNED
Ref	Task	Dependencies	Who	Start	End	Status
Detailed plan to be developed by during 2021 - Chair to lead S-101PT 5 Action refers						
A2	Review the S-101 Value Added Roadmap annually					
Ref	Task	Dependencies	Who	Start	End	Status
A.3.1	Chair to prepare updated draft.	None	Chair	01/07/2023	S-101PT11	PLANNED
A.3.2	Conduct a review cycle.	A.3.1	All	S-101PT11	Early 2024	PLANNED

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