



12th Meeting of the Hydrographic Services and Standards Committee

Report of the S-101 Project Team

S-101 PT Chair Thomas RICHARDSON

Agenda Item 5.1C



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MEETINGS HELD DURING REPORTING PERIOD

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The S-101 Project Team has met twice during the reporting period.

1. S-101 PT4 June 2019, Monaco
2. S-101 PT5 Sept 2020, Remote Meeting (Meeting planned in June 2020 was postponed due to COVID-19)

<https://iho.int/en/s-101pt5-2020>

- A further remote meeting is planned in December 2020. Due to current remote working regular meetings by VTC will be held including meetings on specific areas.



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PROGRESS DURING THE PERIOD

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- A further edition of S-101 has not been prepared but a work plan has been agreed to deliver S-101 1.1.0 aligned with S-100 5.0.0 (2022)
- Positive progress has been made on testbeds with a Shore-based ECDIS now available to support more realistic testing, this is a major milestone for S-101¹
- Ahead of S-101 1.1.0 interim releases of the DCEG and Feature Catalogue will be prepared to support development and testing, this approach will de-risk some aspects of S-101 1.1.0

¹ https://iho.int/uploads/user/Services%20and%20Standards/S-100WG/S-101PT5/S-101PT5_2020_21_EN_NIWC%20Test%20Bed%20Report_S101PT5_V1.pdf



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CHALLENGES

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- A number of aspects of S-101 require further developmental work, sub groups have been formed to focus on key areas and testbeds will support this work
- S-100 5.0.0 will address a number of issues such as the Alerts and Indications model
- Dual Fuel ECDIS potentially poses constraints on S-101 during the transition period at least, so the Project Team needs a clear understanding of these constraints, especially in terms of compliance with the current S-52 Presentation Library
- As always limited resources are available to deliver the S-101 PT work plan so careful management of resources and focus on key deliverables will be important, an Issues and Risks log will be established by the chair to support this



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ITEMS OF NOTE

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- HSSC is requested to note the intent to deliver S-101 1.1.0 based on S-100 5.0.0 shortly after the publication of S-100 5.0.0 (item a)
- HSSC is requested to provide direction on how the Project Team should engage with End Users to validate that S-101 meets (or exceeds) user needs. Although this is a future activity planning and preparation will be required (item b)
- HSSC is requested to clarify any constraints which the Dual Fuel concept places on S-101 (item c)
- Noting HSSC paper HSSC12-05.5C it is observed that should this development be supported by HSSC careful management of resources will be required and there is potential that the S-101 Work Plan could be impacted



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OUTCOMES

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- The HSSC is invited to:
 - a. endorse the work plan presented at annex A (*next two slides*)
 - b. provide direction and guidance to the Project Team on how it should engage with End Users to validate S-101
 - c. clarify any constraints which the Dual Fuel concept places on S-101

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WORKPLAN 1/2

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Ref	Task	Dependencies	Who	Start	End	Status
A1	Develop and Finalize Edition 2.0.0 of S-101 ENC Product Specification					
Intent is to deliver an updated and more complete S-101 1.1.0 aligned to S-100 5.0.0 so that meaningful testing can support development towards 2.0.0.						
A.1.1	Review draft changes to DCEG as prepared by IHO Sec.	None	DCEG SG	01/10/2020	30/11/2020	PLANNED
A.1.2	Conduct a review cycle of the S-101 Data Product Specification and DCEG. Includes comment review.	None	ALL	01/10/2020	31/01/2021	PLANNED
A.1.3	Process registry changes resulting from review of the DPS and DCEG.	A.1.2	IHO Sec	31/01/2021	28/02/2021	PLANNED
A.1.4	Prepare an updated Feature Catalogue for S-101 1.1.0.	A.1.2/A.1.3	KHOA	TBD	TBD	PLANNED
A.1.5	Prepare new and updated Portrayal content.	A.1.2	Port SG	01/10/2020	31/03/2021	IN PROGRESS
A.1.6	Process registry changes resulting from Portrayal work.	A.1.5	IHO Sec	01/04/2021	TBD	PLANNED
A.1.7	Prepare a complete PC for S-101 1.1.0.	A.1.4, A.1.6	Port SG	TBD	TBD	PLANNED
A.1.8	Prepare an initial draft set of S-101 Validation Checks. (Critical checks as a minimum)	A.1.2/A.1.7	VC SG	01/04/2020	TBD	IN PROGRESS
A.1.9	DQWG to conduct review of S-101 draft components.	Various	DQWG	TBD	TBD	PLANNED
A.1.10	Prepare content for publication.	Various	IHO Sec	TBD	TBD	PLANNED
A.1.11	Conduct pre-publication quality checks.	A.1.10	ALL	TBD	TBD	PLANNED



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WORKPLAN 2/2

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A2	Monitor the implementation of S-101 to S-100 Readiness Level 4					
Ref	Task	Dependencies	Who	Start	End	Status
Detailed plan to be developed by early 2021 - Chair to lead S-101PT 5 Action refers						
A3	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	01/10/2020	S-101PT6	PLANNED
A.3.2	Conduct a review cycle.	A.3.1	All	S-101PT6		PLANNED