13th 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

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

1. S-101 PT6 Feb 2021, Remote Meeting

https://iho.int/en/s-101pt6-2021

- A further remote meeting is planned in May 2021. The option of a physical meeting later in the year meeting alongside the ENCWG (Nov 2021) is being explored but will need to be reviewed based on the global situation later in 2021

- Good progress has been made across 3 supporting sub groups as follows;

- **DCEG** – An interim DCEG 1.0.1 has been prepared resolving inconsistencies and including updated content for the quality of bathymetric data reflecting DQWG input and supporting further test and development in this important area

- **Portrayal** – Good discussions have been progressed and a number of proposals agreed, a table of specific symbology changes for S-101 has been developed along with a log of ECDIS performance aspects that need to be addressed.

- **Validation Checks –** An initial draft set of S-101 validation checks have been prepared, this will now be reviewed, further work progressed when component elements of S-101 1.1.0 are more mature.

OUTLINE WORKPLAN

	2021												2022										
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
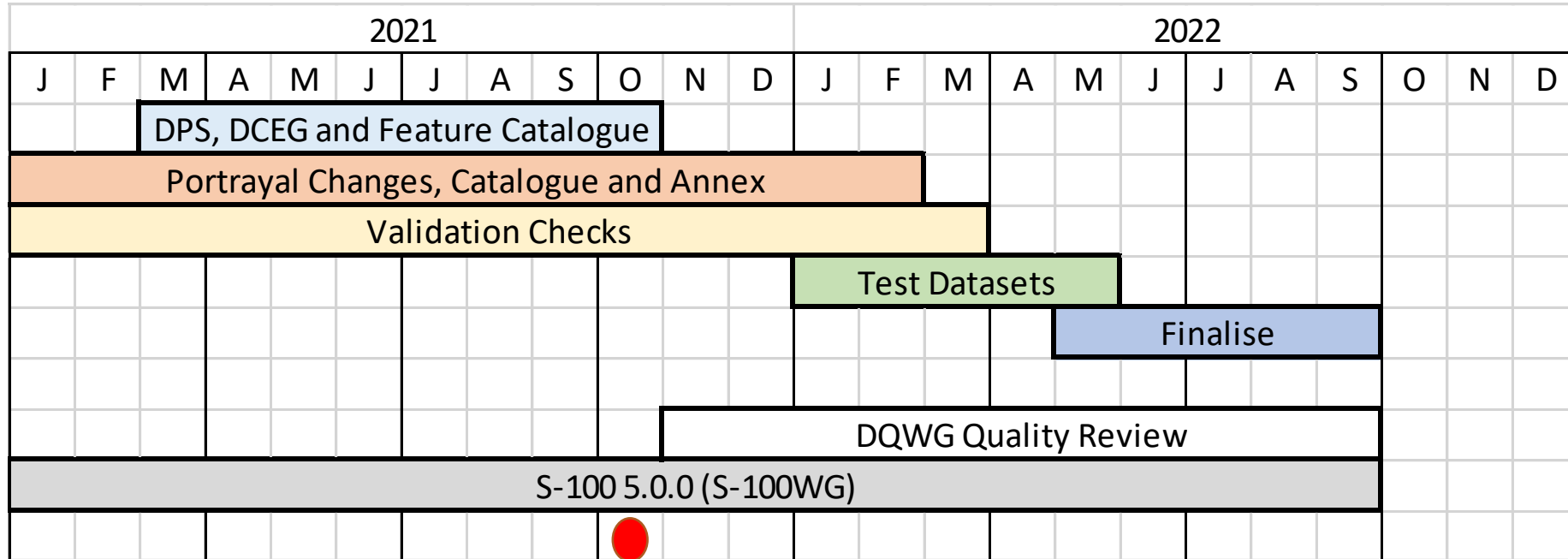
- This graphic shows the detailed workplan to deliver S-101 1.1.0 as 5 "themes"

- Note the timeframes for S-100 5.0.0 and planned DQWG review, the red dot indicates the final submission date for S-100 5.0.0 changes

CHALLENGES

- Although positive progress is being made this remains reliant on limited resources of active contributors, currently it is considered capacity is sufficient to deliver S-101 1.1.0 but additional testing and outreach will require additional resources

- It is important that a clear understanding of the Dual Fuel concept is reached to allow S-101 to prepare a robust S-101 1.1.0 to support test and development activities

- S-100 5.0.0 is a critical dependency for S-101 1.1.0 and the associated risk should be reviewed by HSSC

- The S-101 Value Added Roadmap contains a Risk Register and S-101PT is working with the HSSC to apply the ISO 9001 principles to this work (see HSSC13-05.5B)

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- The project team continues to liaise with various Working Groups and Project Teams

- The Value Added Roadmap for S-101 is being updated

- Test Datasets will be important to the success of S-101 and the request from the S-100 WG for funding will support S-101

- Testbeds will form an important part of the testing and implementation of S-101, it is planned to develop material to guide these activities (with regards to S-101)

- Discussions have begun on a potential Outreach sub group to coordinate engagement with wider stakeholders (the recent CIRM workshop highlighted the need to form a strategy of how we engage with end users and other stakeholders)

- The HSSC is invited to:

a. endorse the work plan presented at annex A

IHO 6th S-101 Project Team VTC
23-24 February 2021

WORKPLAN 1/2

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. S-100 5.0.0 publication expected Sep 2022 (S-100WG Letter 5/2020).					
Ref	Task	Dependencies	Who	Start	End	Status
A.1.1	Review draft changes to DCEG as prepared by IHO Sec.	None	DCEG SG	01/10/2020	01/03/2021	COMPLETED
A.1.2	Conduct a review cycle of the S-101 Data Product Specification and DCEG. Includes comment review.	None	ALL	01/03/2021	30/06/2021	IN PROGRESS
A.1.3	Interim FC (1.0.1) to be generated to support testing.	A1.1	KHOA	01/03/2021	31/03/2021	COMPLETED
A.1.4	Process registry changes resulting from review of the DPS and DCEG.	A.1.2	IHO Sec	01/07/2021	01/08/2021	PLANNED
A.1.5	Prepare an updated Feature Catalogue for S-101 1.1.0.	A.1.2/A.1.4	KHOA	01/09/2021	31/10/2021	PLANNED
A.1.6	Prepare new and updated Portrayal content.	A.1.2	Port SG	01/10/2020	31/08/2021	IN PROGRESS
A.1.7	Process registry changes resulting from Portrayal work.	A.1.6	IHO Sec	01/09/2021	30/11/2021	PLANNED
A.1.8	Prepare a complete PC for S-101 1.1.0.	A.1.5, A.1.7	Port SG	01/12/2021	01/01/2022	PLANNED
A.1.9	Develop and review Portrayal Annex	A.1.5	Port SG	01/09/2021	01/03/2022	PLANNED
A.1.10	Prepare an initial draft set of S-101 Validation Checks. (Critical checks as a minimum)	A.1.2, A.1.5, A.1.8	VC SG	01/04/2020	31/03/2022	IN PROGRESS
A.1.11	Finalise S-101 Test datasets*	A.1.5, A.1.8, A.1.10	TBD	01/01/2022	30/05/2022	PLANNED
A.1.12	DQWG to conduct review of S-101 draft components.**	Various	DQWG	01/05/2022	31/07/2022	PLANNED
A.1.13	Prepare content for publication.	Various	IHO Sec	01/08/2022	31/08/2022	PLANNED
A.1.14	Conduct pre-publication quality checks.	A.1.13	ALL	01/09/2022	01/10/2022	PLANNED

Test Datasets for developmental purposes will be provided earlier to support development this task relates to test datasets for S-164 specifically.

*** Individual components will be provided to the DQWG for reivew when ready in order to manage the workload.*
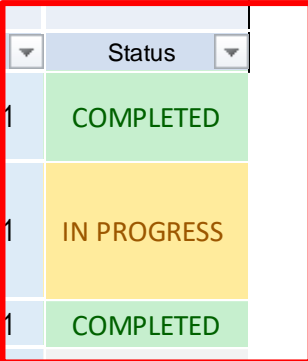
Key progress since report to HSSC12

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 during 2021 - Chair to lead S-101PT 5 Action refers							
	Develop implementation plan.						PLANNED
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-101PT7		IN PROGRESS
A.3.2	Conduct a review cycle.	A.3.1	All	S-101PT7			PLANNED