



HSSC ISO 9001 Cell Update

Document DQWG17-02.2A



IHO

International
Hydrographic
Organization

Background

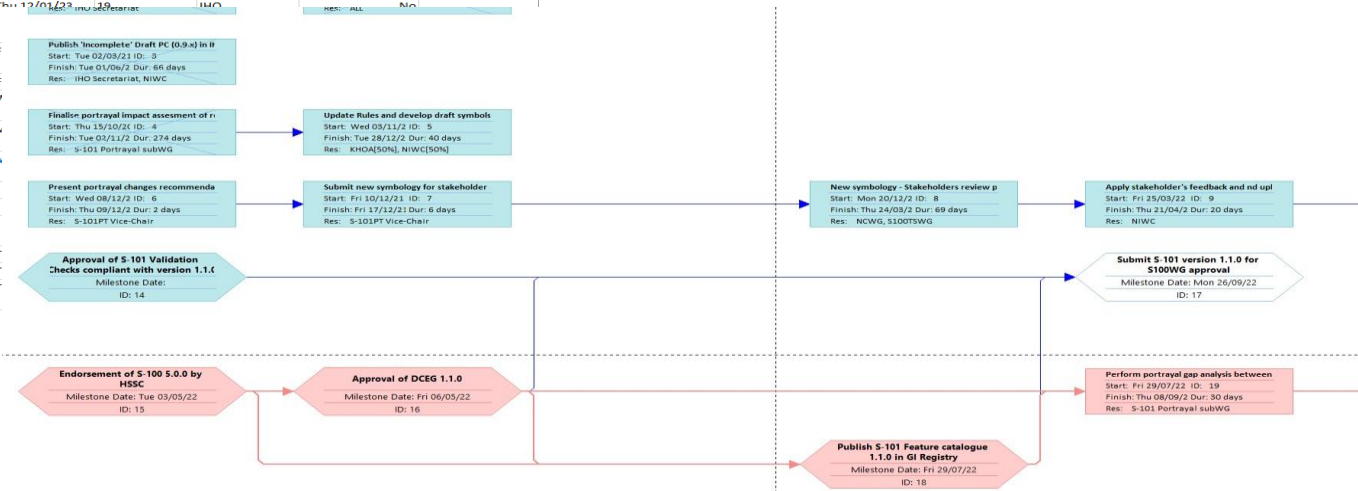
- Council 4, agreed to experiment on the application of the ISO 9001 principles on a couple of Strategic Plan targets (one per Committee to be proposed).
- HSSC 13 meeting agreed that the ISO 9001 principles will be experimented on the development of the Product Specification for ENC S-101 ed. 2.0.0.
- A HSSC ISO 9001 Cell has been established with development, monitoring and risk management objectives.
- The “HSSC ISO 9001 cell” is currently composed of the HSSC vice chair, The S-101PT Chair and Vice Chair, S-100 WG Chair, DQWG chair.



HSSC ISO 9001 Cell

- Aim to Meet 4 times a year
- Met 3 times in 2021
- Next meeting February 2022
- Will present its work at HSSC 14 (May 2022)
- Classical Gantt chart and critical path approach being used

✚	Apply stakeholder's feedback and upload S-101 PC 1.0.0 to Github for peer review	20 days	Fri 23/05/22	Thu 23/04/22	8	NIWC	No
✚	S-101 PC 1.0.0 Peer review process in Github	33 days	Fri 22/04/22	Tue 07/06/22	9	ALL	No
✚	Apply peer review corrections and complete final PC 1.0.0 draft	13 days	Wed 08/06/22	Fri 24/06/22	10	NIWC	No
✚	Process Registry changes resulting from the development of new symbology	23 days	Mon 27/06/22	Wed 27/07/22	11	IHO Secretariat	No
📁	Publish S-101 Portrayal Catalogue 1.1.0 in GI Registry	42 days	Thu 28/07/22	Fri 23/09/22	12	IHO Secretariat	Yes
📁	Approval of S-101 Validation Checks compliant with version 1.1.0			Fri 23/09/22		S-101 Project Team	Yes
📁	Endorsement of S-100 5.0.0 by HSSC	3 days	Tue 03/05/22	Thu 05/05/22			Yes
✚	Approval of DCEG 1.1.0	60 days	Fri 06/05/22	Thu 28/07/22	15	S-101 Project Team	Yes
📁	Submit S-101 version 1.1.0 for S100WG approval	66 days	Mon 26/09/22	Mon 26/12/22	18,14,16	S101PT Chair	Yes
✚	Publish S-101 Feature catalogue 1.1.0 in GI Registry	1 day	Fri 29/07/22	Fri 29/07/22	16,15	IHO Secretariat	Yes
✚	Perform portrayal gap analysis between FC/DCEG S-101 1.1.0 & PC 1.0.0	30 days	Fri 29/07/22	Thu 08/09/22	18,16	S-101 Portrayal subWG	No
✚	Follow 'Portrayal changes workflow' to develop and approve new symbology that enables the creation of S-101 PC 1.1.0 Draft	90 days	Fri 09/09/22	Thu 12/01/23	19	IHO Secretariat	No
✚	Upload S-101 PC 1.1.0 Draft to Github for peer review	1 day	Fri 13/01/23				
✚	S-101 PC 1.1.0 Peer review process in Github	15 days	Mon 16/01/23				
✚	Apply Peer review corrections and complete S-101 PC 1.1.0 Draft	13 days	Mon 06/02/23				
✚	Process Registry changes resulting from the development of new symbology	23 days	Thu 23/02/23				
📁	Publish S-101 Portrayal Catalogue 1.1.0 in GI Registry	15 days?	Tue 28/03/23				



📁	S-101 1.2.0 - Exchange Catalogue						
📁	S-101 1.2.0 - Data protection (compression, encryption and digital signatures)						
📁	Publication of S-98 version 1.0.0	3 days	Tue 03/05/22				
📁	Interoperability catalogue	60 days?	Fri 06/05/22				
📁	Publish S-101 Alerts and Indications Catalogue 1.0.0 (??)	60 days?	Fri 06/05/22				



Risks and Opportunities

3. Risks

					If Evaluation = high or medium			
Description	Origin	Impact	Evaluation*	Date of review**	Actions to reduce risk	Resp. For action	Effectiveness of the action	Action taken and date
Lack of available human resources	internal		high	Feb 2022	-Raise awareness among MS on the importance of allocating the necessary resources	HSSC	Targeted communication to MS	Chair action PLANNED S-101PT Letter 5 of 2021 sought volunteers and indications of capacity. (YYYYMMDD)
					-Organize regular remote meetings to maintain a good level of participation	S-101 chair /DQWG chair /NCWG chair	Remote meetings organized	PLANNED Schedule of regular meetings to be set out in Jan 2022.
Delay to draft & validate the different components mandatory for TRL 2,3,4	internal	Delay in S-101 Ed 2.0.0		Feb 2022	implement a regular and shared monitoring of actions	S-101 chair	GANTT diagram	PLANNED for Q1-Q2 2022 chair team/ISO cell meet monthly to review progress
Delay in reviewing S-101 (FC, Encoding Guide, DQ Checks) Ed 1.n.n	internal		medium	Feb 2022	Harmonize timeframe, program reviewing & allocate resources	DQWG chair	GANTT diagram	PLANNED: DQWG subWG to conduct cross check of FC with S-101 FC when version 1.0.2 becomes available (April 2022)
Delay in reviewing portrayal catalog	internal			Feb 2022	Harmonize timeframe, program reviewing & allocate resources	NCWG chair	GANTT diagram	
Inconsistencies in Feature catalogue between S-101 and S-1xx	internal		high	Feb 2022	Cross check review	DQWG chair	Cross check review reports	PLANNED: DQWG subWG to conduct cross check of FC with S-101 FC when version 1.0.2 becomes available (April 2022)
Delay in publishing, endorse and approve S-100 Ed 5.0.0	external							
Overreliance on external support for the implementation and maintenance of the S100 GI Registry	External							

4. Opportunities

Description	Benefits	Actions (to seize opportunities and limit risks)	Responsible	Deadline	Effectiveness of the action
Participation in the various Uses Cases organised in collaboration with the OEMs	Integrate feedbacks during development	Promote Uses cases	HSSC	-	Positive feedback from OEM Meeting deadlines (no extensive re-testing due to late consideration of feedbacks)
Establish long term mariners review service agreement with IHO-Singapore Innovation laboratory in support of proposed new S-101 ECDIS portrayal and performance requirements in both, DF-ECDIS and post S-57 ENC retirement.	Objective, transparent and user driven process to accept/discard proposals related to the look and behavior of S-101 ENCs and the performance S-100 ECDIS.	Prepare and establish long term support task with clear workflows and agreed timeframes for reporting findings and recommendations. Action S-101PT8-11 also refers.	IHO Sec.	March 2022 (?)	Request are processed within agreed timeframes.