

HSSC ISO 9001 cell

Update





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Main Purpose

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- 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 ENCs S-101 ed. 2.0.0.
- HSSC15 meeting (June 2023 – Action HSSC15/60):
*‘ ... agreed on the principle to **expand the scope of the ISO Cell to S-164 and S-98** developments and designated S-100WG Vice-Chair as a PCO from the S-164/S-98 subWG to join the ISO Cell and participate to maintain Gantt diagram and risk management documents.’*



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- The ISO 9001 cell met in August 2023 to review S-101 progress/risks & opportunities + include S-98 and S-164.
- Latest versions of relevant working documents have been uploaded to the S101PT11 page.



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Gantt Chart

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		Task Mode	Task Name	Duration	Start	Finish
9			Publish S-101 Portrayal Catalogue 1.1.0 in GI Registry	1 day	Fri 31/03/23	Fri 31/03/23
15			Publish S-101 Feature catalogue 1.1.0 in GI Registry	40 days	Mon 06/02/23	Fri 31/03/23
35			Publish S-164 Version 1.0.0	1 day	Fri 09/06/23	Fri 09/06/23
31			Conduct a final 1.2.0 review cycle of the DPS and DCEG	28 days	Wed 20/09/23	Fri 27/10/23
32			Resolve comments from review and prepare final documents including Feature	5 days	Mon 30/10/23	Fri 03/11/23
33			Submit to S-100WG8 for endorsement of completed 1.2.0 components (DPS &	7 days	Mon 06/11/23	Tue 14/11/23
34			Prepare 1.2.0 Portrayal Catalogue, Validation Checks and Test Datasets	41 days	Mon 06/11/23	Mon 01/01/24
30			Request S100WG approval of S-101 version 1.2.0 by S101PT CL	15 days	Mon 01/01/24	Fri 19/01/24
25			S-101 1.2.0 - Exchange Catalogue	156 days	Sat 01/07/23	Fri 02/02/24
26			S-101 1.2.0 - Data protection (compression, encryption and digital signatures)	156 days	Sat 01/07/23	Fri 02/02/24
37			Endorsement of S-98 version 2.0.0 by HSSC	10 days	Mon 27/05/24	Fri 07/06/24
21			Finalise FC & DCEG 2.0.0	130 days	Mon 08/01/24	Fri 05/07/24
22			Finalise PC 2.0.0	130 days	Mon 08/01/24	Fri 05/07/24
23			Endorsement of S-101 version 2.0.0 by S100WG	30 days	Mon 08/07/24	Fri 16/08/24
38			Approval of S-98 version 2.0.0 by MS	67 days	Mon 10/06/24	Tue 10/09/24
24			Endorsement of S-101 version 2.0.0 by HSSC	25 days	Mon 19/08/24	Fri 20/09/24
28			Approval of S-101 version 2.0.0 by MS	65 days	Mon 23/09/24	Fri 20/12/24
39			Publish S-164 Version 2.0.0 (complete - Instructions and datasets)	170 days	Mon 08/07/24	Fri 28/02/25
40			IEC 61174 Edition 5 to International Standard	66 days	Mon 01/09/25	Mon 01/12/25
41			First type approved DF-ECDIS models	131 days	Mon 02/03/26	Mon 31/08/26

GANNT CHART

Today

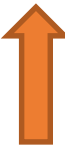




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Risks – Focus on High

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							Timeline	Decisions
Insufficient time to test Dual Fuel concept in S100 ECDIS prototypes	External		High 	Feb 2023	Allocate resources to develop DF-S100 ECDIS able to ingest and manage S-57 and S-101 ENC by mid 2023.	S100TSWG; HSSC	DF-S100 ECDIS exists and is utilized in a rigorous testbed environment by June 2023.	DF-ECDIS prototypes started to emerge and are participating in UKHO-SHOM testbed. Although S-164 document likely to be endorsed by HSSC15 in June 2023, OEMs do not yet have access to the corresponding DF Test datasets. No DF-ECDIS system available to S-164 development group. Iterative process adopted for exchange set implementation and release plan adopted to end 2023. Communication between subgroups working well (JP – 29/8/23). Little practical progress - Upgrade risk level to High
Lack of systems implementing full S-100 for iterative testing for inclusion in S-164	External		Medium	September 2023	Possible to adopt Partial simulation/validation approach in absence of full systems. Work with existing providers.	S164WG, S100WG	Workarounds giving confidence in absence of full system availability	Resources have been made available to the S-164 subgroup for validation of data intended for S-164. DF system developers engaged to produce DF input to S-164 in 2023 timescales (JP 29/8/23).
S-98 Annex C untested (in some areas) and incomplete	External		High	September 2023	Dialogue with implementers (in-principle implementation) and outreach to other working groups	S164WG, S100WG	Endorsement by implementers for most risky elements of standard	September 2023. Outreach to other working groups, meetings and OEMs is under way. More S-98 content is being captured and mitigations for the most untested parts are beginning to be in place. There is much to do though. Implementers active in S-164/S-98 WG. Test Data required (JP 29/8/23)



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Risks – Focus on High

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IHO implementation of the security scheme	External		Medium	May 2024	Implement and test Security Scheme to enable testing towards operationalisation of S-100.	IHO Sec.	IHO Security Scheme and procedures are available for testing by May 2024.	NEW (20/9/23) – Responsibility of S100SSPT (refer to HSSC15 Action 15/29). The 1st objective of the PT is to develop the S-100 appointment and termination process for data servers, OEMs and ENDS service providers. A VTC is planned for Sept/October 2023. No evidence of progress so far. It's important to note that this issue is one of implementation, and drawing together the standards with internal policy and procedures <u>within the secretariat</u> . The ISO 9001 Cell believes resourcing in Monaco to be a significant issue. Risk level set to Medium. HSSC Vice Chair to follow up with Tom Mellor.
Management and distribution of S100 Catalogues	External		Medium	May2024	Establish a process for the management and distribution of S100 catalogues (FC, PC, IC).	IHO Sec.	A process for the effective and timely management of S100 catalogue versions (including release and stakeholders' notification protocols) are in place by August 2024.	NEW (20/9/23) – The task could be linked to the scope of the ICEPT. No evidence of progress on this topic so far. Risk level set to Medium. HSSC Vice Chair to follow up with KHOA (PT Chair).



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How are we tracking ?

5. Performance indicators of S-101 PS process

Progress on milestones from S-101 Ed 1.0.0 to Ed 2.0.0		
Goal	Monitor progress to meet deadlines	
Measurement field (KPI)	Milestones	Progress Status
	Submit Edition 1.1.0 for S100WG Approval before HSSC15	Completed
	Submit Edition 1.2.0 for S100WG Approval by November 2023	At Risk (Low)
	Submit Edition 2.0.0 for HSSC Endorsement by August 2024	At Risk (High)
Method and presentation of results	GANTT Diagram	
Update periodicity	3 months	
Accountable	S101PT Chair & S100WG Chair	

It is important to note that S-164 and S-98 Annex C are considered to be in the critical path for an operational DF-ECDIS from 2026.



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Thanks !

ISO
9001

Quality
management

Standard

Customer

Certification

Continual