



Towards S-101 2.0.0

S-101 PT Chair Thomas RICHARDSON

S-101PT12-8.2 Rev 1



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RECENT PROGRESS

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- Since PT11 we have made good progress to deliver edition 1.2.0 and seeking changes needed from S-100 WG at WG8
- Although this has taken longer than planned there are clear dependencies that we need to consider and some of the complexity of FC changes was greater than originally expected
- With the FC now available and Production Software support expected soon we should be able to complete 1.2.0 for S-100WG final approval during March
- One significant Feature Catalogue issue has been identified and this may require a 1.2.1 to be prepared, this is TBD



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IHO APPROVAL TIMEFRAME

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- IHO CL 43/2024 was issued after S-100WG8 and set the following timeframe for approval of Edition 2.0.0 Phase 1 Product Specifications
 - March 2024 – IHO CL for S-100 Edition 5.2.0 issued for MS approval
 - **May 2024 – IHO MS responses for S-100 Edition 5.2.0 due**
 - October 2024 – IHO CL for all Phase 1 (2.0.0) Product Specifications issued for MS approval
 - **December 2024 – MS responses for Phase 1 (2.0.0) Product Specifications due**
- For S-101 PT this means that S-100WG approval needs to be completed by October. Realistically this means having a completed Product Specification¹ in August

¹ For clarity Test Datasets are not considered part of the Data Product Specification and this is consistent with S-164 not following this timeframe.



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TOWARDS 2.0.0 – PHASE 1

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- Our aim remains to seek to adjudicate final comments and changes to 2.0.0 at the PT13 meeting
- Assuming that Feature Catalogue Changes are agreed at this meeting the immediate steps are considered Phase 1;

Phase 1

- 1.1 Prepare a draft 2.0.0 DCEG (IHO Sec)
- 1.2 Prepare a draft 2.0.0 DPS (S-100 5.2.0 changes applied) (Chair)
- 1.3 Commence a DPS and DCEG Review cycle (no model changes) (IHO Sec)
- 1.4 Prepare a 2.0.0 Feature Catalogue using the DCEG (KHOA)
- 1.5 Review the status of all open Github issues and collate a list of items not addressed in 2.0.0 (Sub-Group Leads)

Although 1.1 can start after this meeting and changes are limited. 1.4 requires a S-100 5.2.0 compliant Feature Catalogue Builder so this is a key dependency to consider. Preparing an interim FC with all other changes could be considered but this adds complexity.



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TOWARDS 2.0.0 – PHASE 2

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- It will be necessary to verify the DCEG and Feature Catalogue changes based on experience to date

Phase 2

- 2.1 Verify the DCEG and Feature Catalogue (sub-group)
 - 2.2 Prepare a draft 2.0.0 Portrayal Catalogue (Portrayal Sub-Group)
 - 2.3 Prepare the draft 2.0.0 Validation Checks (VC Sub-Group)
 - 2.4 Apply comments from the DPS and DCEG review cycle and prepare for adjudication (IHO Sec)
 - 2.5 Prepare test datasets to support Portrayal Catalogue Validation (Test Dataset Sub-Group) (Possible contract support)
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- The completion of this phase will mean that a package of final draft artefacts are available ahead of the PT13 meeting (Mid-May) a final set of comments from the review cycle including any requiring adjudication will be published at the start of June



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TIMELINE

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Feb

Mar

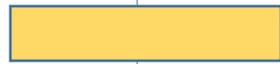
Apr

May

June

July

August



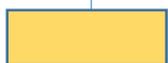
Prepare Draft **1.3.0** DPS and DCEG **IHO Sec** (Mid-March) (1.1/1.2)



2 Month Review Cycle **PT Members** (1.3)



Prepare Draft FCs **KHOA** (1.4) (See Next Slide)



Phase 2



Prepare Draft 2.0.0 Validation Checks **SG** (2.3)



Verify DCEG & FC **Ad Hoc SG** (2.1)

Report to HSSC16 

Prepare Draft Portrayal Catalogues **Port SG** (2.2)



Prepare TDS **TDS SG** (2.5)



Collate Comments from Review Cycle **IHO Sec** (2.4) 

S-101 PT13 Sweden 

(No FC Changes) Apply PT13 Changes 

Prepare Final Items for Approval 



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FC WAY AHEAD

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- Post PT 12 prepare FC 1.2.1 addressing issues with relationships that have been identified
- Prepare additional schematrons to improve FC validation
- Prepare an FC 1.3.0 once DCEG 1.2.0 is ready
- Then prepare FC 1.4.0 with any further changes that arise in DCEG 1.4.0
- PC changes to progress in line with FC versions



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SUMMARY

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- The timeframes remain highly challenging and there are some key dependencies to manage
- KHOA is invited to report any known timeframe for an S-100 5.2.0 capable Feature Catalogue Builder
- The PT is invited to discuss this plan and seek to agree the way ahead



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QUESTIONS ?