2nd Meeting of S-100 ICE Project Team
17 Nov. 2023, 10:00-15:00 Singapore time

S-100 ICE PT2

IHO International Hydrographic Organization

Provisional agenda

Time	Agenda #	Title	Lead
17 Nov 2023			
9:00 - 9:15	ICEPT2-1	o Welcome o Participants Introduction	KHOA, SMA All
9:15 - 9:20		*Group Photo*	All
9:20 - 9:30	ICEPT2-2	o Agenda adoption	All
9:30 - 10:00	ICEPT2-3	o Review of ICE PT 1 Decisions and Actions o Review of SCOPE VTC Decisions and Actions	PT Chair
10:00 - 11:00	ICEPT2-4	o Discussion of Role, Scope, Function and Governance for S-100 infrastructure center	All
11:00 - 11:30	ICEPT2-5	o Review of Work items of PT o Review of Timeline of PT	All
11:30 - 11:50	ICEPT2-6	o Upcoming plan of the PT	All
11:50 - 12:00	ICEPT2-7	- Any Other Business - Next Meeting (Date and Venue) - Review Draft Outcomes	All
		Close	-

Review of ICE PT 1 Decisions and Actions

[Action 1/03] ICE PT chair to circulate the work items that presented during the meeting to the PT members and the PT members to provide comments to chair prior to the next meeting.

[Decision 1/03] ICE PT recognized that defining the scope of the S-100 infrastructure center is of high priority as it significantly influences other work items of the PT. Consequently, a VTC meeting to discuss the scope of the PT and the Infrastructure Center will be scheduled before the next PT meeting.

[Decision 1/04] ICE PT agreed upon the timeline for the proposed PT work program during the meeting. Furthermore, to ensure adherence to this schedule, the PT decided to have additional meeting focusing on Scoping tasks of the infrastructure before the face-to-face meeting at the S-100 WG8 meeting in Singapore. Also, to meet the deadline of HSSC16 report submission, additional Face-to-face meeting was decided back to back with S-100 TSM9, Monaco, March 2024.

Review of ICE PT 1 Decisions and Actions

[Decision 1/05] ICE PT agreed to report on its activities at HSSC16. This report will include the following key aspects:

- Work plan (incl. timeline) of the ICE PT
- Implementation plan for the establishment of the S-100 infrastructure center, covering:
  - The role, scope, function and governance
  - The composition, financial considerations, and work procedures
  - The location
  - A preliminary work plan
  - The timeline for the establishment

[Action 1/03] HSSC chair to incorporate ICE PT activities into the HSSC presentation for the upcoming IHO Council7 meeting.

[Decision 1/05] ICE PT agreed to hold its series of ICE PT meetings as follows:

- SCOPE VTC: 26 Oct 2023 (13:00 – 15:00/UTC+2)
- ICE PT2: 17 Nov 2023 / Singapore
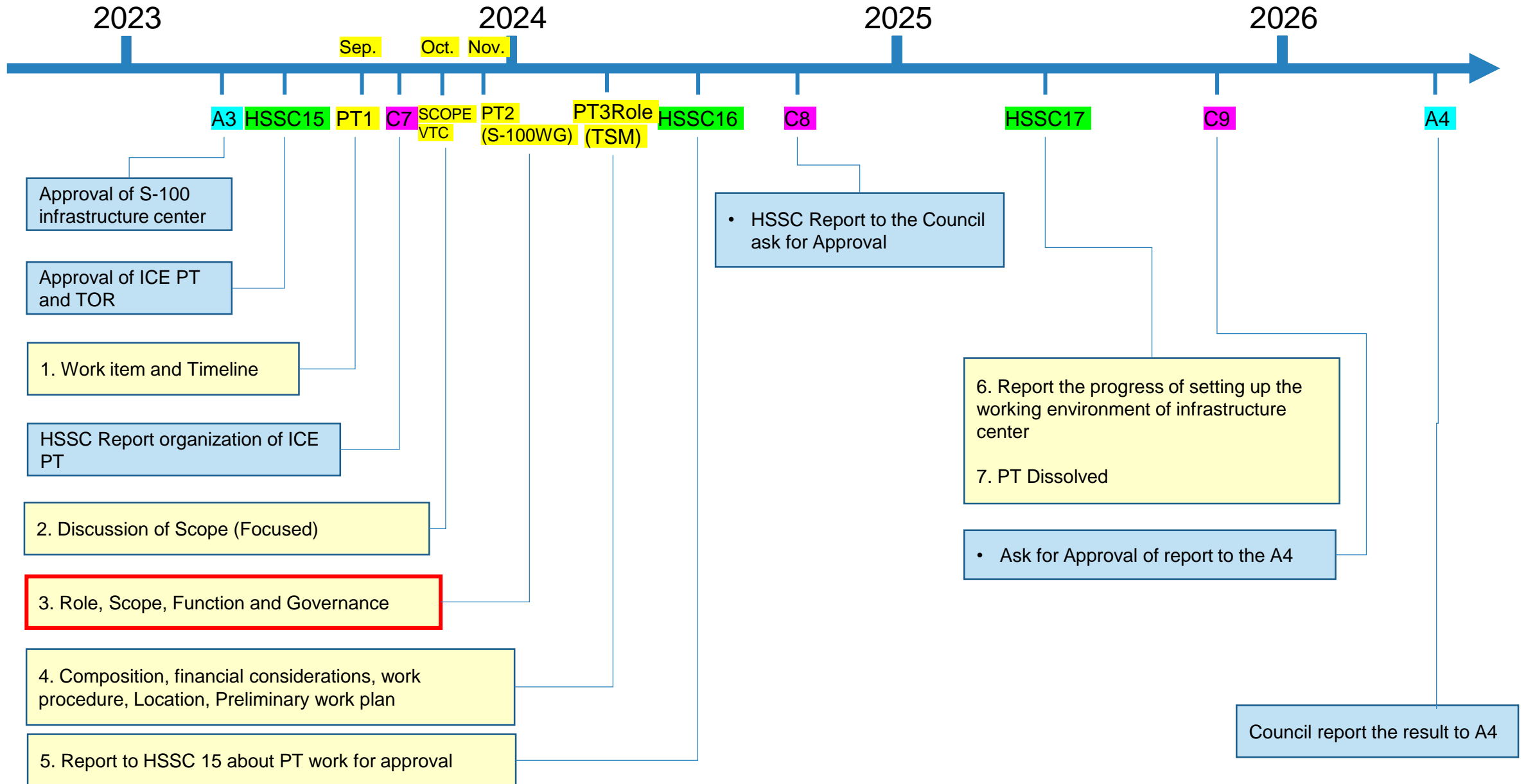- ICE PT3: 18-19 Mar 2024 / Monaco

Work items of PT

Basic items

- The role, scope, function and governance

- The composition, financial considerations, and work procedures

- The location

- A preliminary work plan

- The timeline for the establishment

- Support the HSSC with the creation of documents required to submit the proposal to the IHO Council

Timeline of ICE PT

2023   2024   2025   2026

Sep.   Oct.   Nov.

A3   HSSC15   PT1   C7   SCOPE VTC   PT2 (S-100WG)   PT3Role (TSM)   HSSC16   C8   HSSC17   C9   A4

Approval of S-100 infrastructure center

Approval of ICE PT and TOR

1. Work item and Timeline

HSSC Report organization of ICE PT

2. Discussion of Scope (Focused)

3. Role, Scope, Function and Governance

4. Composition, financial considerations, work procedure, Location, Preliminary work plan

5. Report to HSSC 15 about PT work for approval

- HSSC Report to the Council ask for Approval

6. Report the progress of setting up the working environment of infrastructure center

7. PT Dissolved

- Ask for Approval of report to the A4

Council report the result to A4

Proposed Scopes of Infrastructure Center

Ref	Work item	Purpose	Current Situation
1	IHO GI Registry	The GI Registry is a repository where S-100 concepts are formally registered. This includes features, attributes and symbology elements.	Updating to S-100 5.0
2	S-100 Toolkit	Software launcher for the various tools of S-100 PS development.	Entry SW for S-100 Tools
2a	Feature Catalogue Builder (FCB)	An application used to create S-100 Feature Catalogues which are XML files built drawing on content held in the GI Registry.	Updating to S-100 5.0
2b	Portrayal Catalogue Builder (PCB)	An application used to check quality and consistency of Portrayal catalogues connecting to the Portrayal register of GI registry.	Changed the PCB role and function
2c	DCEG Composer	Used to edit Data Classification and Encoding Guide content ensuring consistency between FC and DCEG	Updating to S-100 5.0
2d	Symbol editor (Point/Line/Pattern)	Used to create and edit SVG symbols for use within S-100 Portrayal Catalogues.	Improved the user interface and functions
2e	Interoperability Catalogue (IC) Editor	Interoperability Catalogues control how multiple S-100 datasets function together this tool supports the creation and editing of these Catalogues in a similar fashion to the FC and PC Builders.	Improving the function
3	S-100 Part 15 Administration	Allows participants in the security scheme to register as data servers or OEMs and provides the various certificates etc.	
4	S-100 Viewer and Shore ECDIS	A testbed for displaying and using S-10x products.	
5	IHO eLearning Centre	Learning management platform for IHO.	
6	INTOGIS	GIS platform for IHO	
7	S-164 TDS and Manual	ECDIS Type Approval	
8	S-128	Support implementation of S-128 distribution	

Proposed work items of S-100 Infrastructure Center

Ref	Work item	Decisions
1	S-100 GI Registry	High priority
2	S-100 Toolkit	**High priority**
2a	Feature Catalogue Builder (FCB)	
2b	Portrayal Catalogue Builder (PCB)	
2c	DCEG Composer	
2d	Symbol editor (Point/Line/Pattern)	
2e	Interoperability Catalogue (IC) Editor	
3	S-164 TDS	High priority(supporting)
4	S-100 Part 15 Administration	Need more discussion(Catalogue Distribution?)
5	INTOGIS	Need more discussion
6	S-128	Need more discussion
7	S-100 Viewer and Shore ECDIS	Low priority
8	IHO eLearning Centre	Low priority

Proposed Roles/Functions

- Maintenance of IHO web-based system to operate the S-100 Eco-System
  - Infrastructure : IHO GI Registry, S-100 Tools

- Common data management on S-100 based PS (not included in IHO WG/PT)
  - E.g. S-100 UML(EAP), XML/GML Schema, Basic Portrayal Catalogue

- Training support for IHOs and Trusted Partners to use the Tools and the Registry of S-100 infrastructure Center

- Support of S-100WG's S-164 TDS management and extension (e.g. Screen shots)

Proposed Functions

- IHO GI Registry
    - Supporting IHO Sec on Operation of S-100 GI Registry
    - Maintenance of GI Registry systems
    - Maintenance of GI Registry information content
- S-100 Tools (Listing of support Tools, who, services)
    - Maintenance of S-100 tools
    - Technical support
    - Training for S-100 tool for users
- Management of FC/PC/Schema
    - S-100 common schema
    - Support updating/creating FC/PC/Schema/IC within IHO (Basic PC if necessary)
    - Generic validation checks of PS components for the official use
- S-164 TDS
    - Support updating the S-164 TDS (e.g. screen shots)