S-100 ICE PT-4

4th meeting of the S-100 Infrastructure Centre Establishment Project Team

VTC meeting 2024-02-06

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Wrap up – what has happened so far?

- A3 / HSSC-15
- ICE PT-1 (VTC 2023-09-07): Formalia, initial discussions
- ICE PT-2 (VTC 2023-10-26): Scope
- ICE PT-3 (Singapore 2023-11-17): Scope (cont.)
- ICE PT-4 (VTC today): Finalize scope, start with structure
- ICE PT-5 (Monaco 18-19 March 2024): Structure and HSSC paper

- 김이지 moving on ;-(, therefore changes in office bearing positions. Thank you Izzy for your dedication!
- Welcome 박 "Martin" 성주!

Desired outcome of this meeting

- Finalize scoping discussions and agree upon S-100 infrastructure scope

- General agreement on how to proceed

- Plan for the Monaco meeting in March

- Anything else?

Agenda

1. Introduction
2. Review of previous decisions and actions
3. Review and conclusion of the "Singapore spreadsheet"
4. Way forward with S-100 infrastructure centre governance structure
5. Review/preview of ICE PT-5 agenda (Monaco meeting in March)
6. Review of PT-4 decisions and actions

Reminder: ICE-PT's assignments

To develop the management documents and operating plan for the proposed S-100 Infrastructure Center taking into account the following:
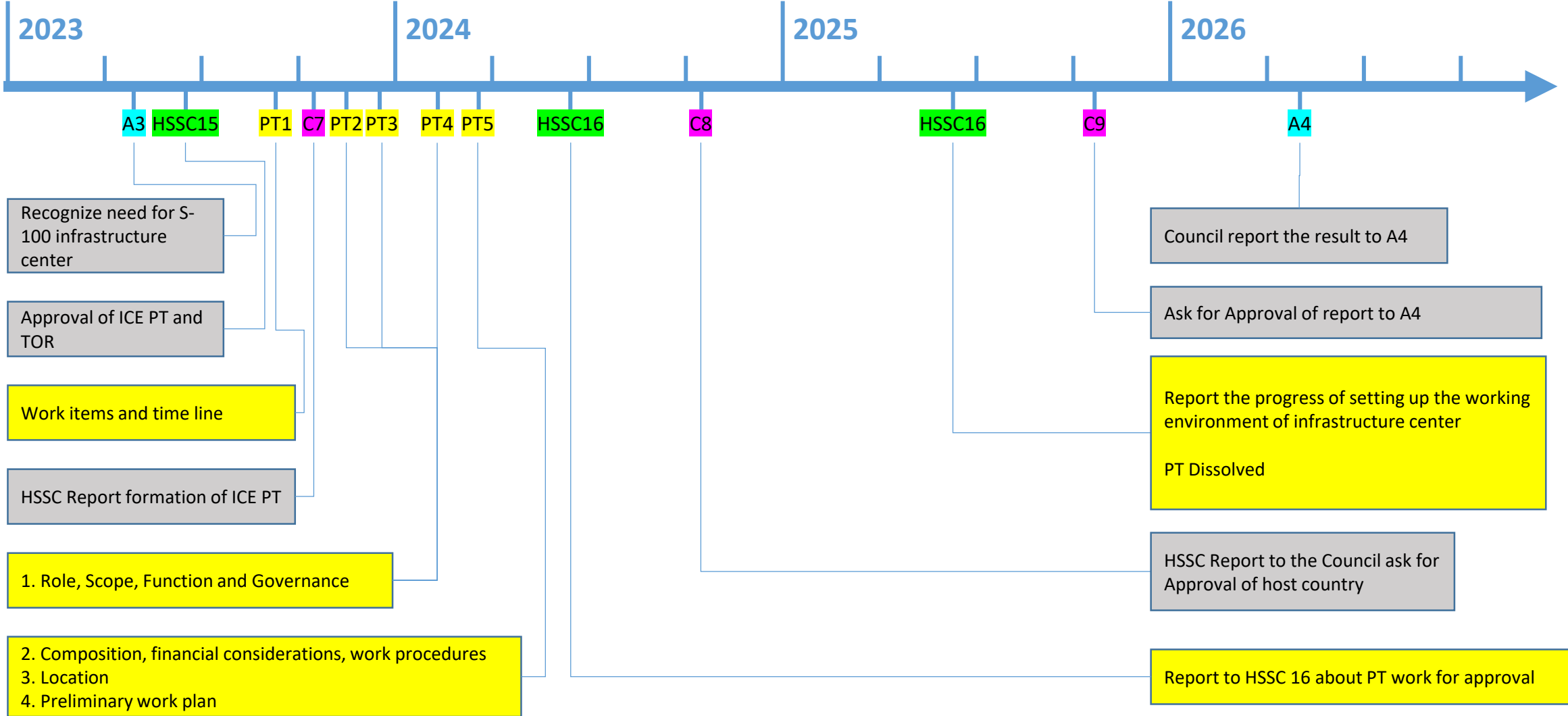
1. The role, scope, function and governance

2. The composition, financial considerations, and work procedures

3. The location

4. A preliminary work plan

5. The timeline for the establishment

To support the HSSC with the creation of documents required to submit the proposal to the IHO Council.

Review of previous decisions and actions

List of Actions S-100 ICE PT.xlsx

Time line of the PT work

2023 **2024** **2025** **2026**

A3 HSSC15 PT1 C7 PT2 PT3 PT4 PT5 HSSC16 C8 HSSC16 C9 A4

Recognize need for S-100 infrastructure center

Approval of ICE PT and TOR

Work items and time line

HSSC Report formation of ICE PT

1. Role, Scope, Function and Governance

2. Composition, financial considerations, work procedures
3. Location
4. Preliminary work plan

Council report the result to A4

Ask for Approval of report to A4

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

PT Dissolved

HSSC Report to the Council ask for Approval of host country

Report to HSSC 16 about PT work for approval

Scope of the Infrastructure Centre

General agreement that the major tasks for the Infrastructure Centre will need to focus on:
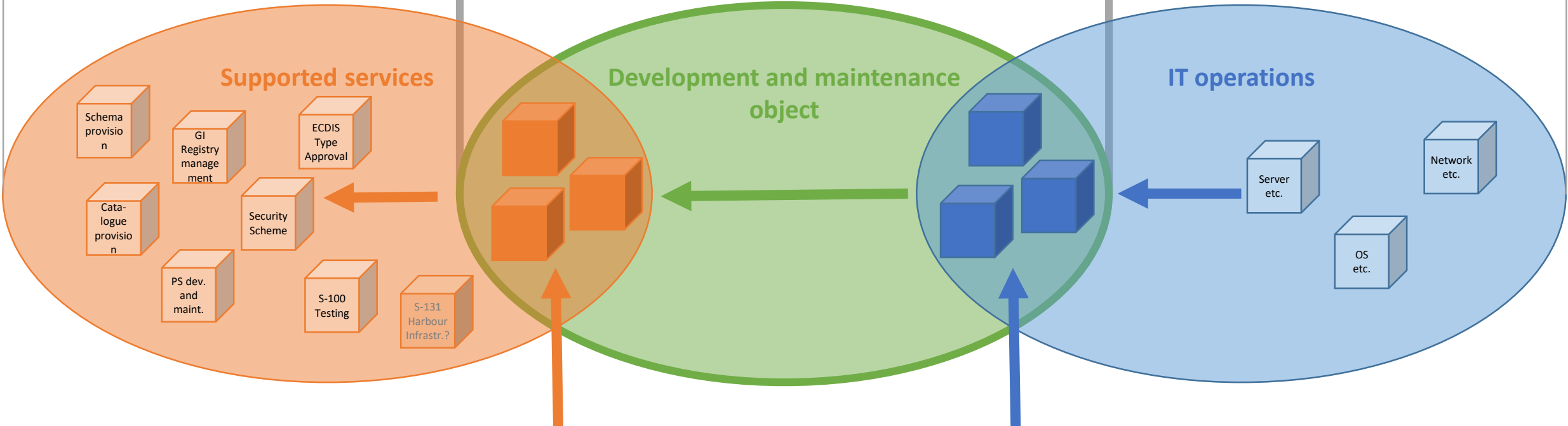
- Ensuring the sustainable operation of the GI registry

- Maintaining application schema and catalogues

- Developing and maintaining the S-100 Software Toolkit

- Maintaining S-164 Test Data Sets

The "Singapore Spreadsheet":

https://docs.google.com/spreadsheets/d/1xvXaGrFrftEKabuqVdBVAgEBy5w_xotg/

SCOPE

S-100 Infrastructure

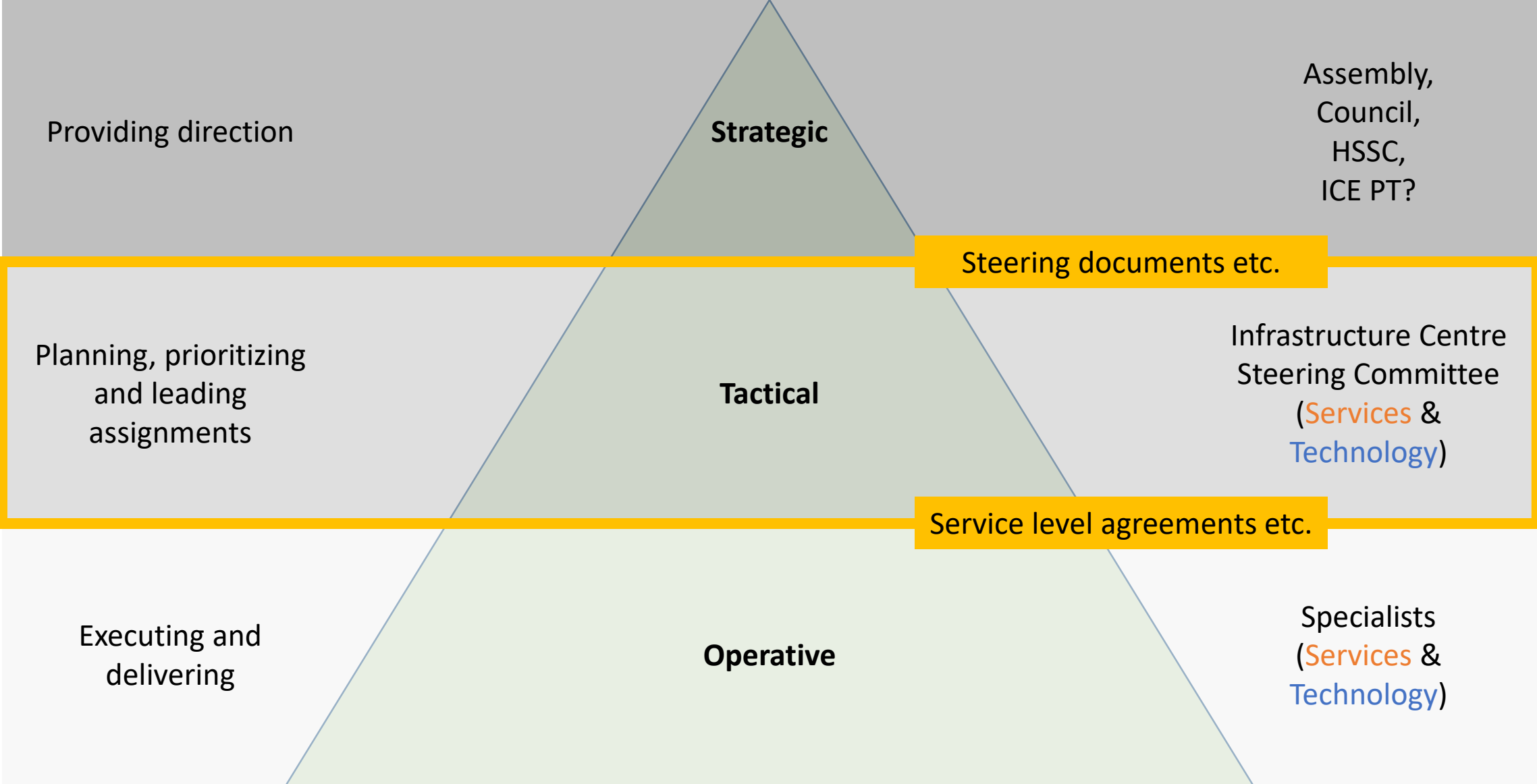| Services	Operative/administrative **processes**	**Information** structure	**Technology** (Dev. & Maint.)
Support of **GI Registry**	• GI Registry technical support • Approval for various registers • Tech/admin support for external approval process	• GI Registry database information model	• GI Registry
Support of **Catalogues**	• XSLT PC dev. & maintenance • LUA PC dev. & maintenance • FC dev. & maintenance • IC dev. & maintenance		• PC builder • FC builder • IC builder
Support of **Schemas**	• UML schema development • UML schema maintenance • XML schema development • XML schema maintenance	• Schema organisation (schemas.s100dev.net)	• schemas.s100dev.net
Support of **ECDIS Type Approval**	• Generation of screenshots • Test dataset encoding • Test dataset encryption • S-164 catalogue maintenance	• S-164 dataset structure • S-164 catalogues	• Shore ECDIS
Support of **Product Specifications**	• PS development • PS publishing • Github administration	• Basic portrayal catalogue	• DCEG Composer • Github • Metanorma / ASCIIdoc • GI Registry
Support of **S-100 Testing**	• Supporting testbeds		• Shore ECDIS • NIWC S-100 Viewer
Support of Security Scheme	• Key management • Security scheme participation audits? • ?	• Security key structure	• Security admin software
Support of **S-131 Harbour Infrastructure**	• ?	• S-131 database model?	• IHO-SG lab systems?

What is needed to structure this?

- Definition of supported functions
- Definition of which operative components are needed
- Definition of the technical IT components needed
- Short and long term plan for the object
- Roles and actors that handle these components
- Clear agreements (SLA) that bind all this together
- Effective management structure comprised of both operations and IT

What | Management Level | Who

Providing direction — **Strategic** — Assembly, Council, HSSC, ICE PT?

Steering documents etc.

Planning, prioritizing and leading assignments — **Tactical** — Infrastructure Centre Steering Committee (Services & Technology)

Service level agreements etc.

Executing and delivering — **Operative** — Specialists (Services & Technology)

Example: GI Registry

	Supported services	Development and maintenance object			IT operations
Activities	• Concept register approval • Data dictionary approval • Portrayal register approval • Product specification registration/publishing • Producer code approval and registration	• Technical support for concept register approval process • Administrative support for concept register approval process • Maintenance of S-99 (Operational Procedures for the Organization and Management of the IHO Geospatial Information Registry)?			• Maintenance of technical platform
Players	• Domain control bodies (IHO and external) • WGs and PTs	• IHO secretariat (technical standards support officer?) • KHOA • S-100WG?			• KHOA
Results	• Complete, correct and consistent concept register • Complete, correct and consistent data dictionaries • Complete, correct and up-to-date portrayal register • Complete, correct and up-to-date product specification register • Complete, correct and up-to-date producer code register	**Functions** • Support of GI Registry	**Operative components** • GI Registry database information model • Forms for approval processes • Technical support for approval processes • Administrative support for external approval processes	**Technology components** • GI Registry system	**Adjacent development and maintenance objects** Depend on how IT operations are managed internally

Review/preview of ICE PT-5 agenda

Two full work days 9-17, best preconditions to get our hands dirty.

- What are the desired outcomes of the next meeting?

- What should the agenda look like?

- Anybody else who we would like to attend?

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ICE PT-5 (18-19 March 2024, F2F Monaco)

Time	Agenda #	Title	Lead
Day 1, 18 March 2024			
8:30 - 9:00		Registration (Conference room)	
9:00 - 9:15	ICEPT5-1	Welcome / Opening Remarks Participants Introduction	IHO Sec/PT Vice-Chair All
9:15 - 9:20	ICEPT5-2	Agenda adoption	PT Vice-Chair
9:20 - 9:40	ICEPT5-3	Review of ICE PT/Scoping VTC Decisions and Actions	PT Vice-Chair
09:40 - 10:10	ICEPT5-4	Discussion of Role, Function for S-100 infrastructure	PT Vice-Chair
10:10 - 10:30		Group Photo / Coffee Break	
10:30 - 12:00	ICEPT5-4	Discussion of Role, Function for S-100 infrastructure (Cont.)	PT Vice-Chair
12:00 - 13:30		Lunch Break	
13:30 - 15:00	ICEPT5-5	Discussion of Governance for S-100 infrastructure	PT Vice-Chair
15:00 - 15:20		Coffee Break	
15:20 - 17:00	ICEPT5-5	Discussion of Governance for S-100 infrastructure (Cont.)	PT Vice-Chair

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ICE PT-5 (18-19 March 2024, F2F Monaco)

Time	Agenda #	Title	Lead
Day 2, 19 March 2024			
8:30 - 9:00		Registration (Conference room)	
9:00 - 10:00	ICEPT5-6	Discussion on missed items	PT Vice-Chair
10:00 - 10:20		Coffee Break	
10:20 - 12:00	ICEPT5-7	Review of Work items and Timeline of PT	PT Vice-Chair
12:00 - 13:30		Lunch break	
13:30 - 15:30	ICEPT5-8	Draft PT report to HSSC16	PT Vice-Chair
15:30 - 15:50		Coffee Break	
15:50 - 16:30	ICEPT5-9	Review Decisions and Draft Outcomes	Secretary
16:30- 16:40	ICEPT5-10	Election of vacant office bearer positions	IHO Sec
16:40 - 17:00	ICEPT5-11	Any Other Business Next Meeting (Date and Venue, if needed)	All
		Close	

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Review of decisions and actions