



8th Meeting of the IHO Council

Report and proposals from HSSC

Agenda Item 04.1A, 04.3A, 04.4B



IHO

HSSC- 16



Tokyo, Japan, 27 – 31 May 2024

31 Member States, 6 IGO/NGO* and RENC PRIMAR. 90 attendees

*CIRM, IALA, IEC, ICPC, OGC and WMO

C-8, IHO Secretariat, Monaco, 15 – 17 October 2024



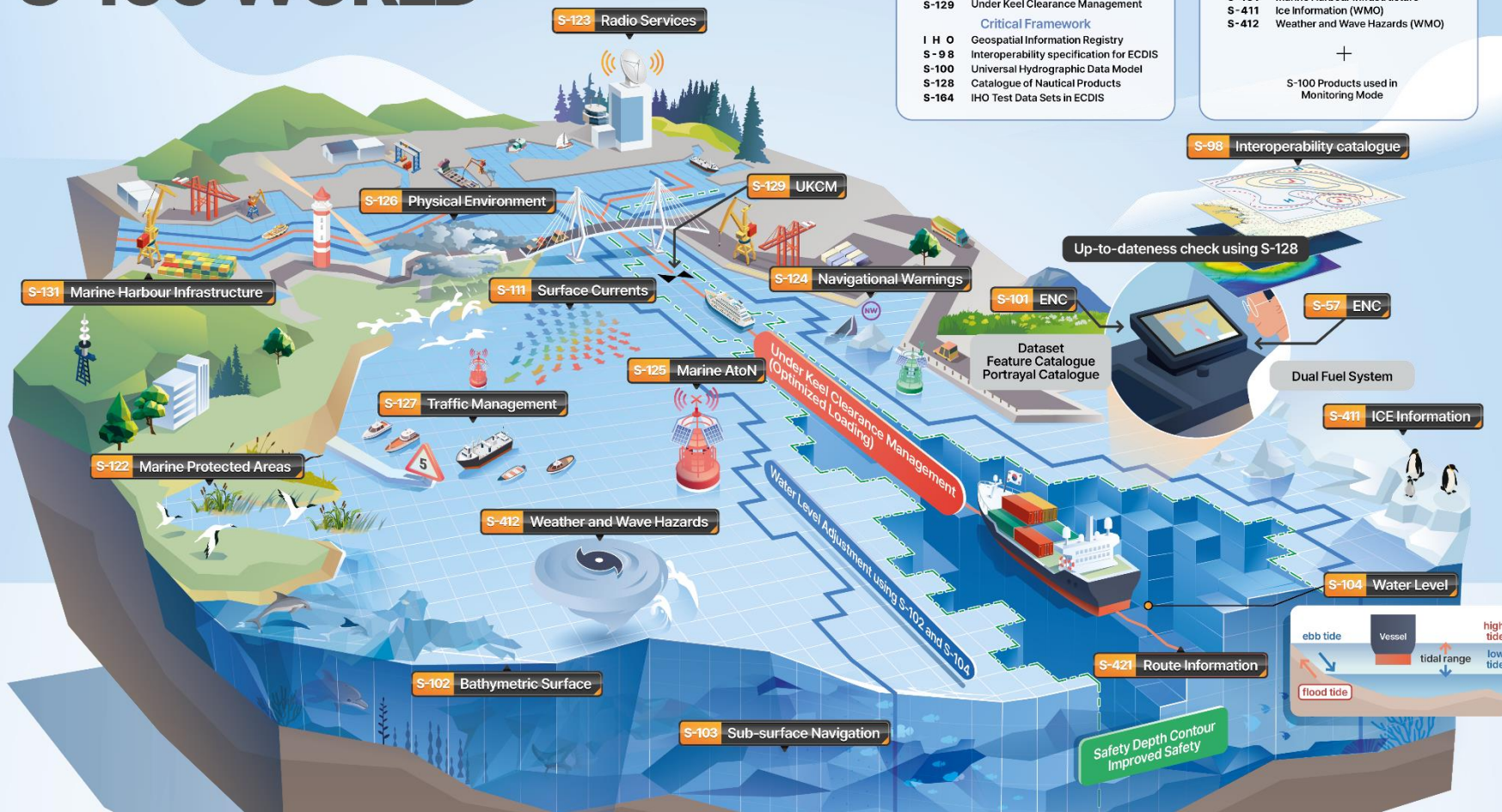
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NEW S-100 AQUARIUM

International Hydrographic Organization



S-100 WORLD



- Phase 1**
- Route Monitoring**
- S-101 Electronic Navigational Chart
 - S-102 Bathymetric Surface
 - S-104 Water Level for Surface Navigation
 - S-111 Surface Currents
 - S-124 Navigational Warnings
 - S-129 Under Keel Clearance Management
- Critical Framework**
- I H O Geospatial Information Registry
 - S-98 Interoperability specification for ECDIS
 - S-100 Universal Hydrographic Data Model
 - S-128 Catalogue of Nautical Products
 - S-164 IHO Test Data Sets in ECDIS

- Phase 2**
- Route Planning**
- S-122 Marine Protected Areas
 - S-123 Marine Radio Services
 - S-125 Marine Aids to Navigation
 - S-126 Marine Physical Environment
 - S-127 Marine Traffic Management
 - S-131 Marine Harbour Infrastructure
 - S-411 Ice Information (WMO)
 - S-412 Weather and Wave Hazards (WMO)
- +
- S-100 Products used in Monitoring Mode

S-97	Guidelines for Creating S-100 Product Specifications	S-98	Data Product Interoperability in S-100 Navigational System	S-99	Operational Procedures for the Organization and Management of the IHO GI registry	S-100	IHO Universal Hydrographic Data Model	S-164	Test Data Set for S-100 and ECDIS Type Approval	S-101 to S-199	International Hydrographic Organization (IHO)	
S-201 to S-299	International Association of Marine Aids to Navigation and Lighthouse (IALA)	S-301 to S-399	Intergovernmental Oceanographic Commission (IOC)	S-401 to S-402	Inland ENC Harmonization Group (IEHG)	S-411 to S-414	WMO Service Commission (SERCOM)	S-421 to S-430	International Electrotechnical Commission - TC80 (IEC-TC80)	S-501 to S-525	NATO Geospatial Maritime Working Group (GMWG) for Additional Military Layers (AML)	



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HSSC DEVELOPMENT OF S-100 PRODUCT SPECIFICATIONS

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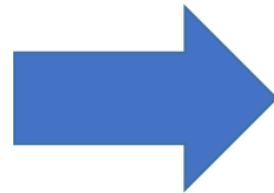
Phase 1 / Route Monitoring

Phase 1 Route Monitoring Mode

- S-101 ENC
- S-102 Bathymetry
- S-104 Water Level
- S-111 Surface Currents
- S-124 Navigational Warnings
- S-129 UKC Management

Critical Framework

- IHO Geospatial Information Registry
- S-98 Interoperability Specification
- S-100 Universal Hydrographic Data Model
- S-128 Catalogue of Nautical Products
- S-164 Test Data Set for S-100 and ECDIS Type Approval



Phase 2 / Route Planning

Phase 2 Route Planning Mode

- S-122 Marine Protected Areas
- S-123 Marine Radio Services
- S-125 Marine Aids to Navigation (AtoN)
- S-126 Marine Physical Environment
- S-127 Marine Traffic Management
- S-131 Marine Harbour Infrastructure
- S-411 Ice Information (WMO)
- S-412 Weather and Wave Hazards (WMO)

+ S-100 Products used in
Monitoring Mode



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S-100 IMPLEMENTATION IN PACKAGES EXPECTED IHO MEMBER STATES APPROVAL

- S-100 Edition 5.2.0 approved by IHO MS, June 2024

December 2024

Operational editions – Phase 1

- S-101 ENC – on time**
- S-102 Bathymetry – on time**
- S-104 Water Level – on time**
- S-111 Surface Currents – on time**
- S-124 Navigational Warnings**
- S-128 Catalogue of Nautical Products**
- S-129 Under Keel Clearance Management – on time**

Delayed to February 2025

- S-124 Navigational Warnings**
- S-128 Catalogue of Nautical Products**

September 2025

Operational editions – for phase 1 support

- S-98 Interoperability**
- S-158:x Validation checks**
- S-164 Test Data Sets**

December 2025

Operational editions – Phase 2, first package

- S-122 Marine Protected Areas (MPA)**
- S-123 Marine Radio Services**
- S-127 Marine Traffic Management**
- S-131 Marine Harbour Infrastructure**

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UPDATE ON IMO ACTIVITIES REGARDING S-100 AND ECDIS



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- MSC 108, May 2024, approved a revised resolution **MSC.530(106)/Rev.1** ECDIS Performance Standards which also includes a standardized format for route exchange (S-421). A secure communication format (SECOM) must be used for route exchange. Same transition period (2026 – 2029). SECOM could technically be used for other S-100 data.
- New Zealand submitted a paper to MSC 108 regarding S-100 implementation and primarily distribution methods. After further discussions at NCSR 11, June 2024, MS were encouraged to propose an output for IMO to work on this subject.
- Australia and New Zealand took initiative to draft a paper to MSC 109, December 2024. The paper is submitted as MSC 109/19/3 and is also sponsored by Antigua, Barbuda, Bangladesh, Canada, Cook Islands, Ecuador, Georgia, Indonesia, Liberia, Türkiye, Ukraine, UAE and BIMCO.



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DISSEMINATION OF S-100 DATA

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- HSSC-16 discussed S-100 dissemination issues and tasked NIPWG, in liaison with other relevant IHO bodies, to recommend a way forward. The IMO MSC 109/19/3 paper from AU, NZ et al raise similar questions.

1. Who will distribute S-100 products?

RENC/VAR for all S-100 products including “near real-time” products (e.g. S-104, S-111, S-124, S-412) or must some S-100 products be distributed by other data providers?

2. Which technology should be used for distribution of the data?

NAVDAT and VDES are mentioned for S-124, but IP (Internet) is preferred to be able to handle also heavier S-100 datasets. Though no carriage requirements for IP.

3. How can we ensure that S-100 data is disseminated in a cyber-secure manner?

Can SECOM be used for delivery of all S-100 products or do we need different interfaces for different services and products? Can or should the concept of the Maritime Connectivity Platform (MCP) be used?



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DIFFICULTIES AND CHALLENGES

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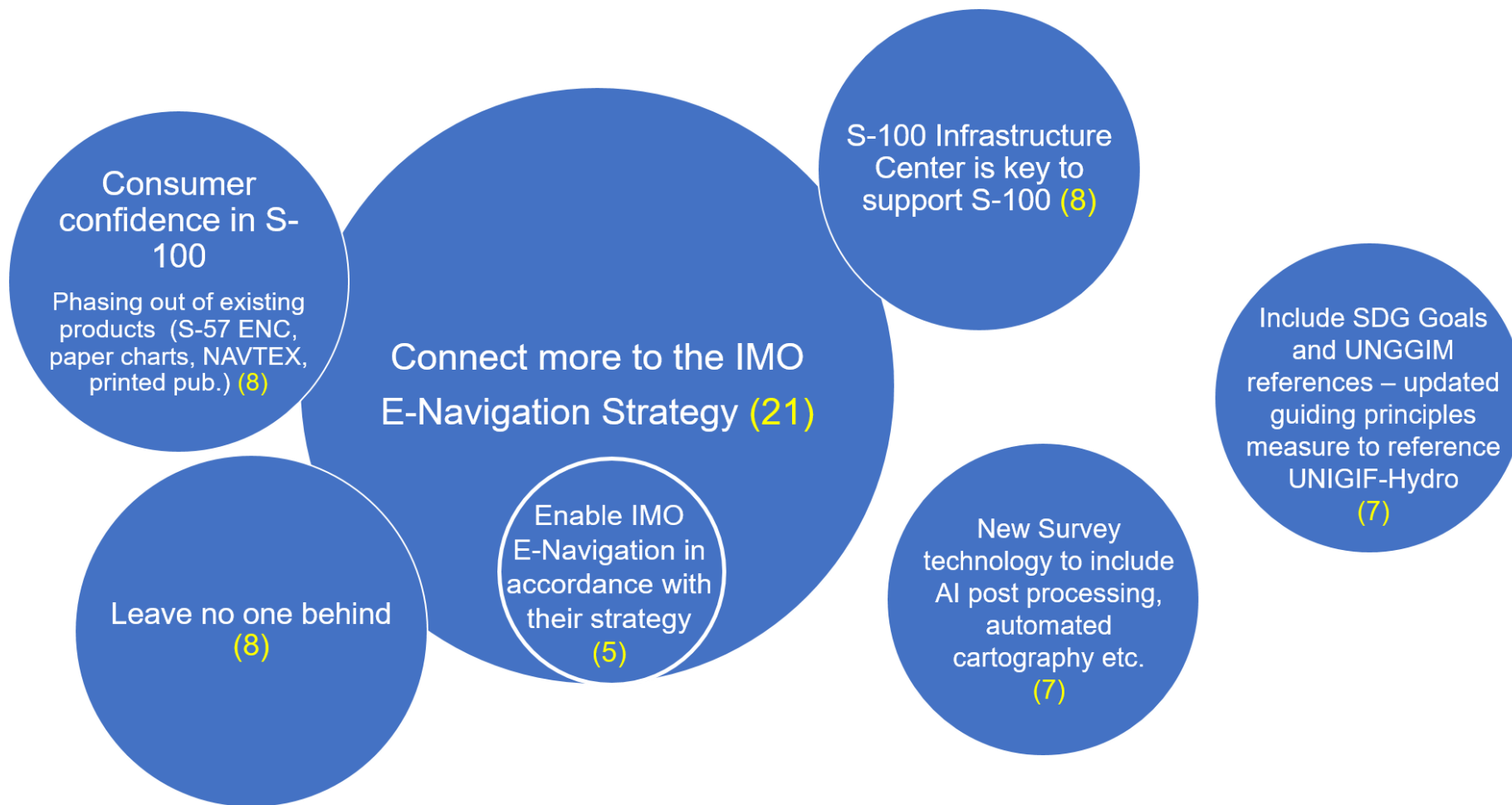
- Coordination with other international organisations on S-100 implementation is a challenge. IMO, WMO, IALA, IEC, CIRM and IEHG are all accelerating their S-100 development and IHO is in the spotlight.
- S-100 implementation is on the IMO agenda. IHO and HOs, through their IMO MS delegations, must be actively involved to avoid undesirable decisions.
- IHO needs a sustainable structure to maintain the technical, operational and administrative infrastructure around S-100. Includes organizational, financial and operational challenges.
- Critical to support the technical work program to meet the commitments made to other international organizations.



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HSSC INPUTS TO THE IHO STRATEGIC PLAN

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The Council is requested to invite the Strategic Plan Review Working Group (SPRWG) – establishment of which to be discussed at C8 – to consider the HSSC inputs to the IHO Strategic Plan 2027 – 2032 with these identified priority areas.



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LIST OF FUNDING PRIORITIES

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- Council-7 requested HSSC (C7/10) to identify current or emerging priorities that are critical in the implementation of the S-100 Roadmap as potential candidates for funding by the IHO.
- A first version of a List of Funding Priorities with Financial Estimates has been compiled. Annex D to the C-8 HSSC report.
- Several items have been funded by the two RENCs IC-ENC and PRIMAR and the Republic of Korea.
- Continuous needs for funding to be able to meet the targets for S-100 implementation.

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Reference: C7/10



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IMPROVEMENT OF THE SECURITY SCHEME PROCESS AND PROCEDURES

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- The Security Scheme Project Team (SSPT) has focused on updating IHO processes and procedures regarding the S-63/S-100 security scheme.
- Changes already made to reduce legal exposure for the IHO, but further improvements are needed.
- The main process will be agreed upon by HSSC MS.
- HSSC-16 recognized that the IHO Security Scheme will need to be an integral part of the IHO Infrastructure Centre's responsibility.
- HSSC agreed with the PT's proposal to collect annual administration fees from the users of the security scheme. For this purpose, an online payment function is needed on the IHO Portal.

HSSC invites the Council to confirm funding of a special project to integrate an online application function supporting the security scheme administration process in the IHO Portal.

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SENC DELIVERY IN S-100?

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- HSSC-16 discussed if SENCs delivery is needed or not for S-100. General agreement that SENC delivery is not needed for S-100 due to concerns that the data producer digital signature cannot be retained.
- HSSC concluded that testing should focus on determining if S-100 Part15 is feasible for use for data distribution, ensuring that the digital signature is retained from the issuing data producer and verified in the end user system.
- HSSC tasked the S-100WG to report the testing result as guided by HSSC above (November 2024).



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INCREASED NEED FOR STRUCTURED TESTING OF S-100

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- HSSC-16 welcomed the kind offer from Canada to designate the St Lawrence River as an IHO Canada S-100 Sea Trial Area.
- Additional official sea trial areas around the world are welcomed.
- HSSC ISO Cell will work with applicable WGs/PTs to agree on more structured testing of S-100 to secure that we meet end user's expectations. Trial areas to be used.

HSSC invites the Council to agree upon St Lawrence River, and possibly additional sea trial areas, as a designated IHO Sea Trail Area for S-100.



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MARITIME AUTONOMOUS SURFACE SHIPS PROJECT TEAM

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- At HSSC-16 MASS PT proposed to reorganize the PT to a more permanent IHO Working Group.
- HSSC endorsed the proposed Terms of Reference for the MASSWG. Noting the strategic character of this new activity, HSSC agreed to submit the decision of the establishment of this possible MASSWG to the Council, including revised TORs (Annex C to the C-8 HSSC Report).

The Council is invited to consider the establishment of a MASS WG and if agreed upon, approve the draft TORs.



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INTERNATIONAL HARBOUR MASTERS ASSOCIATION (IHMA) GUIDELINES FOR EXCHANGE OF NAUTICAL DATA FOR PORT CALLS

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- NIPWG has worked in close cooperation with IHMA on development of S-131 Marine Harbour Infrastructure.
- IHMA identified a need to provide guidelines to harbours on implementation of electronic and automated exchange of nautical data between ports and HOs.
- The IHMA guideline: *“Guidelines for Harmonized Communication and Electronic Exchange of Nautical Data for Port Calls”*, makes reference to applicable IHO standards and includes the IHO logo as a supporting IGO.
- First limited scope on automated inputs from ports for ENCs around the berth.

The Council is invited to note the cooperation between IHO and IHMA and the IHMA Guidelines for Harmonized Communication and Electronic Exchange of Nautical Data for Port Calls.



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REPORT ON THE JOINT IHO-SINGAPORE INNOVATION AND TECHNOLOGY LABORATORY

<https://iho.int/en/iho-singapore-lab>

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1. Review of S-57 to S-101 Conversion Guidance Document and Workshop. *[Completed]*
2. Design a S-131 Marine Harbour Infrastructure Database. *[Completed]*
3. Demonstrate interoperability of S-101 and S-102 on a prototype S-100-compatible ECDIS. *[ongoing]*
4. Demonstrate availability of ENCs (S-57 and S-101) on a prototype DUAL FUEL S-100 ECDIS IN MALACCA & SINGAPORE Straits (PHASE 1) and ITALIAN NAVY'S ROUND-THE-WORLD (Phase 2). *[ongoing]*
5. Integration of land and sea datum to potentially address coastal inundation scenarios. *[New Proposed Project]*

DEMONSTRATE AVAILABILITY OF ENCS (S-57 AND S-101) ON A PROTOTYPE DUAL FUEL S-100 ECDIS IN MALACCA & SINGAPORE STRAITS

Harmonization workshop



1st Workshop (Singapore), June 2024



2nd Workshop (Japan), July 2024

Sea-demonstration Dual Fuel MSS-ENCs



1st Sea-Demo (Indonesia), August 2024



2nd Sea-Demo (Singapore), Sept. 2024

- Collaborative efforts from the 3 littoral HOs (Indonesia, Malaysia, Singapore) and project partners.
- Testing on conversion, validation, production and update of S-101 based on Edition 1.2
- Sea demonstrations were conducted using KHOA DF ECDIS with focus on the mariner's perspective for chart features critical to navigation to observe potential implications of dual-fuel concept display as inputs to S-98.
- Encourage further development of both production software tools and S-100 ECDIS and make available ways for the stakeholders to test both S-101 ENCs and S-57 ENCs in a dual-fuel mode during this transition period.



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OTHER HIGHLIGHTS FROM HSSC-16

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- Project Teams under S-100WG (S-101PT, S-102PT, S-129PT) will remain active at least until 2026.
- HSSC noted the request from CIRM that the IHO considers defining a retirement date for S-57 and inform the IMO of the outcome.
- Hydrographic Dictionary WG has changed to a Correspondence Group.
- HSSC endorsed Ed. 2.0.0 of **S-66** - *Facts about Electronic Charts and Carriage Requirements* – merging S-66 and S-67 into one publication.*
- HSSC endorsed the Ed. 4.4.0 of **S-57, Appendix B.1, Annex A - Use of the Object Catalogue (UOC) for ENC**.*
- HSSC endorsed Ed. 8.0.0 of **S-58** - *ENC Validation Checks*.*
- HSSC endorsed the standard *Hydrographic Surveys*, **S-44** edition 6.2.0.**

* IHO CL 30/2024 for MS approval

** IHO CL pending



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ACTIONS REQUESTED FROM THE COUNCIL

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- Note the Report.
- Invite the Strategic Plan Review Working Group (SPRWG) of the IHO Council – establishment of which to be discussed at C8 – to consider the HSSC inputs to the IHO Strategic Plan 2027 – 2032 with the priority areas shown in figure 2 in the HSSC report.
- Confirm funding of a special project to integrate an online application function supporting the security scheme administration process in the IHO Portal.
- Agree upon St Lawrence River, and possibly additional sea trial areas, as a designated IHO Sea Trail Area for S-100.
- Consider the establishment of a MASS WG and if agreed upon approve the draft TORs.
- Note the cooperation between IHO and IHMA and the IHMA Guidelines for Harmonized Communication and Electronic Exchange of Nautical Data for Port Calls.
- Approve the HSSC work plan, including the analysis technical aspects and impact of new distribution concepts of S-100-based products.
- HOs and industry stakeholders strongly encouraged to actively engage and support in identifying and participate in collaborative Singapore Lab projects.
- Take any other action as it may consider appropriate.



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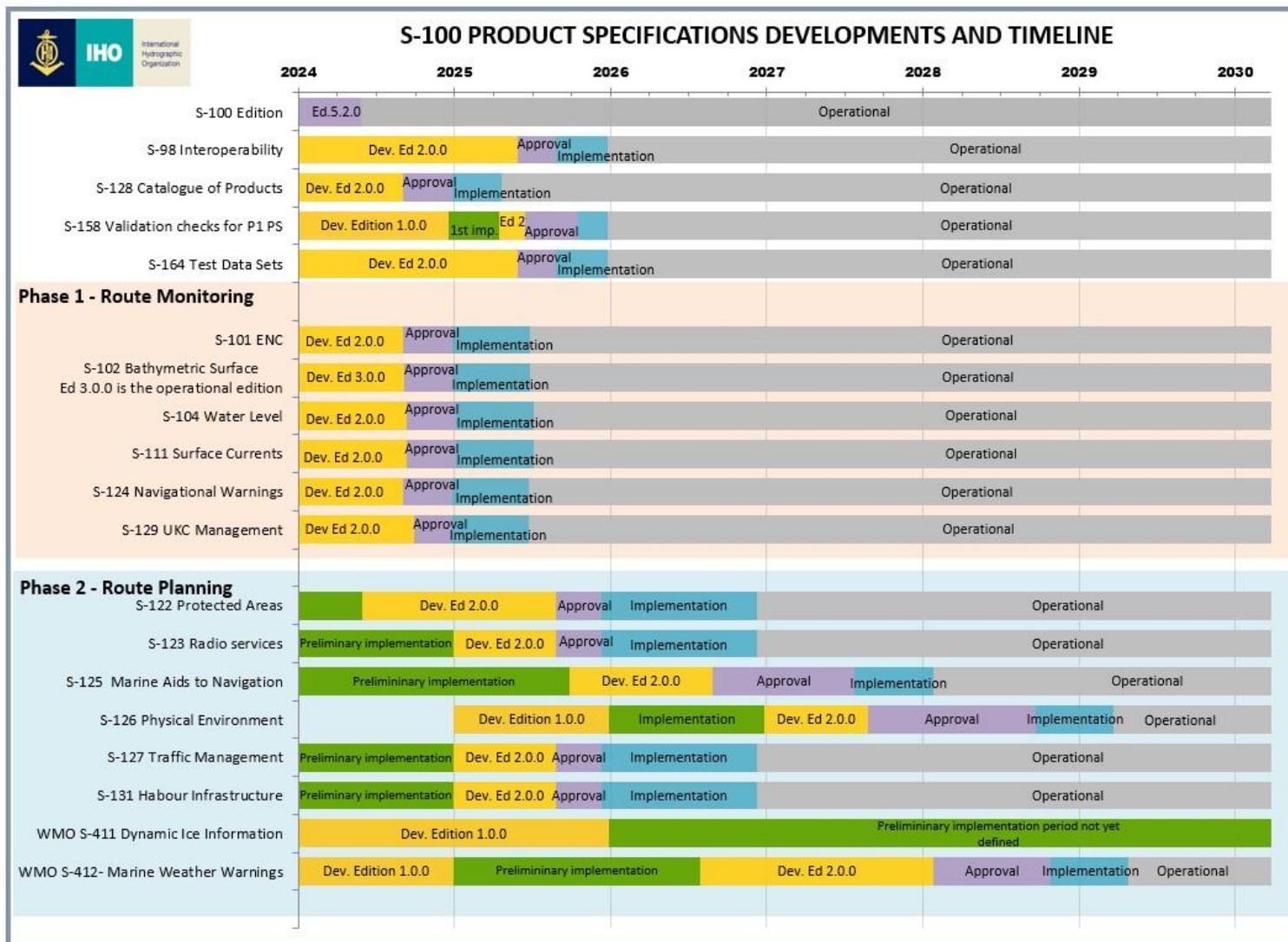
Proposed updates S-100 Roadmap

Agenda Item 04.3A



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S-100 PRODUCT SPECIFICATIONS DEVELOPMENT TIMELINE



This S-100 timeline is updated: 02 07 2024

The Council is invited to approve the revised S-100 timeline.

Mandate HSSC to update the S-100 timeline twice per year.

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DUAL FUEL CONCEPT FOR S-100 ECDIS UPDATE

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- The Dual Fuel Concept for S-100 ECDIS was approved by the Assembly-3 (A3/13) and is available as Annex 4 to the S-100 Roadmap.
- Support the transition to S-100 ECDIS on Dual Fuel mode, being the primary mode of transition from existing S-57 based ECDIS.
- Due to the latest technical development and the revised IMO ECDIS Performance Standards there is need to update the document.
- Proposed amendments are prepared by S-100WG and the revised version is available as Annex B to the C-8 HSSC Report.

The Council is invited to approve the updated Dual Fuel Concept for S-100 ECDIS.

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Reference: C6/10 and A3/13



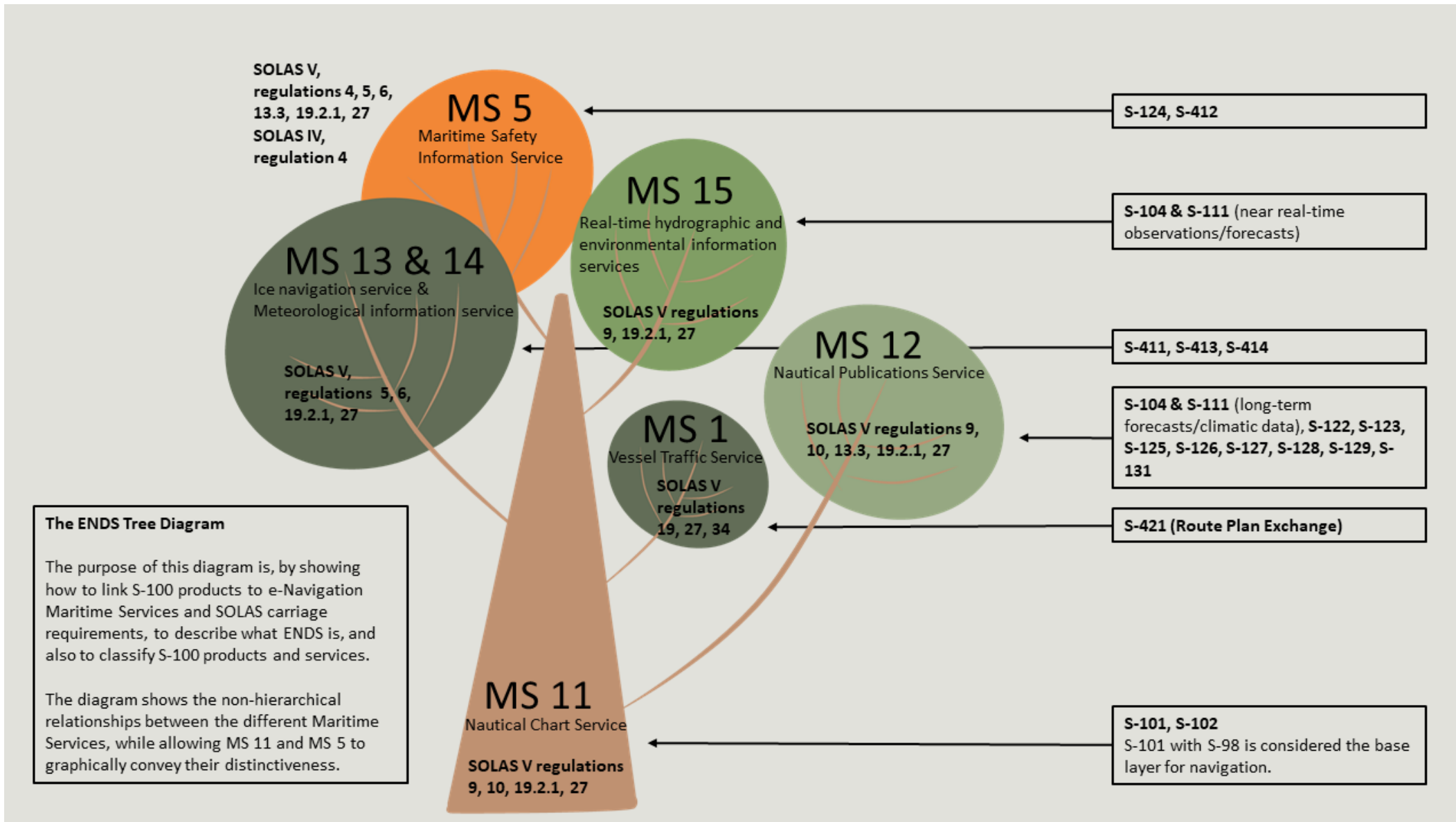
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ENDS TREE DIAGRAM – S-100 RELATION TO IMO E-NAVIGATION AND SOLAS

International Hydrographic Organization

ENDS -
Electronic
Navigational
Data
Service

MS –
Maritime
Service





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ENDS TREE DIAGRAM

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- Purpose to illustrate the relationship between S-100 products, the IMO Maritime Services and the SOLAS Regulations.
- Ultimate goal: S-100 products, listed in the ENDS Tree Diagram, will support IMO Maritime Services and subsequently the mentioned SOLAS regulations.
- WENDWG has been tasked by IRCC to clarify the understanding of the meaning of the term ENDS, considering the ENDS tree diagram provided by HSSC.

The Council is invited to agree upon the ENDS Diagram to be included in the S-100 Roadmap, Annex 2 and consider concrete actions in 2025 for the reinforcement of interactions with major stakeholders (e.g. IMO, IEC, S-100 ECDIS end-users, OEM, industry, distributors) in accordance with Annex 1.

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ACTIONS REQUESTED FROM THE COUNCIL

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- Approve the revised S-100 timeline. HSSC to update twice per year.
- Approve the updated Dual Fuel Concept for S-100 ECDIS.
- Agree upon the ENDS Diagram to be included in the S-100 Roadmap, Annex 2 and consider concrete actions in 2025 for the reinforcement of interactions with major stakeholders (e.g. IMO, IEC, S-100 ECDIS end-users, OEM, industry, distributors) in accordance with Annex 1.



8th Meeting of the IHO Council

Introduction IHO Infrastructure Centre

Agenda Item 04.1



IHO

IHO INFRASTRUCTURE CENTRE

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- Assembly-3 recognized the need to establish a S-100 Infrastructure Centre and approved the foundation of a new Project Team under HSSC to propose to the Council how such an Infrastructure Centre could be established (A3/14, C7/11 and C7/12).
- This Project Team, S-100 ICE PT, was established at HSSC-15 (2023) and provided their first report to HSSC-16.
- To secure a sustainable infrastructure for the management of the operational, technical and administrative components supporting S-100 is crucial for the whole implementation of S-100.
- A strategic decision to take for the IHO since it includes organizational, financial and operational challenges.

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Reference: A3/14, C7/11, C7/12



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IHO INFRASTRUCTURE CENTRE - SCOPE

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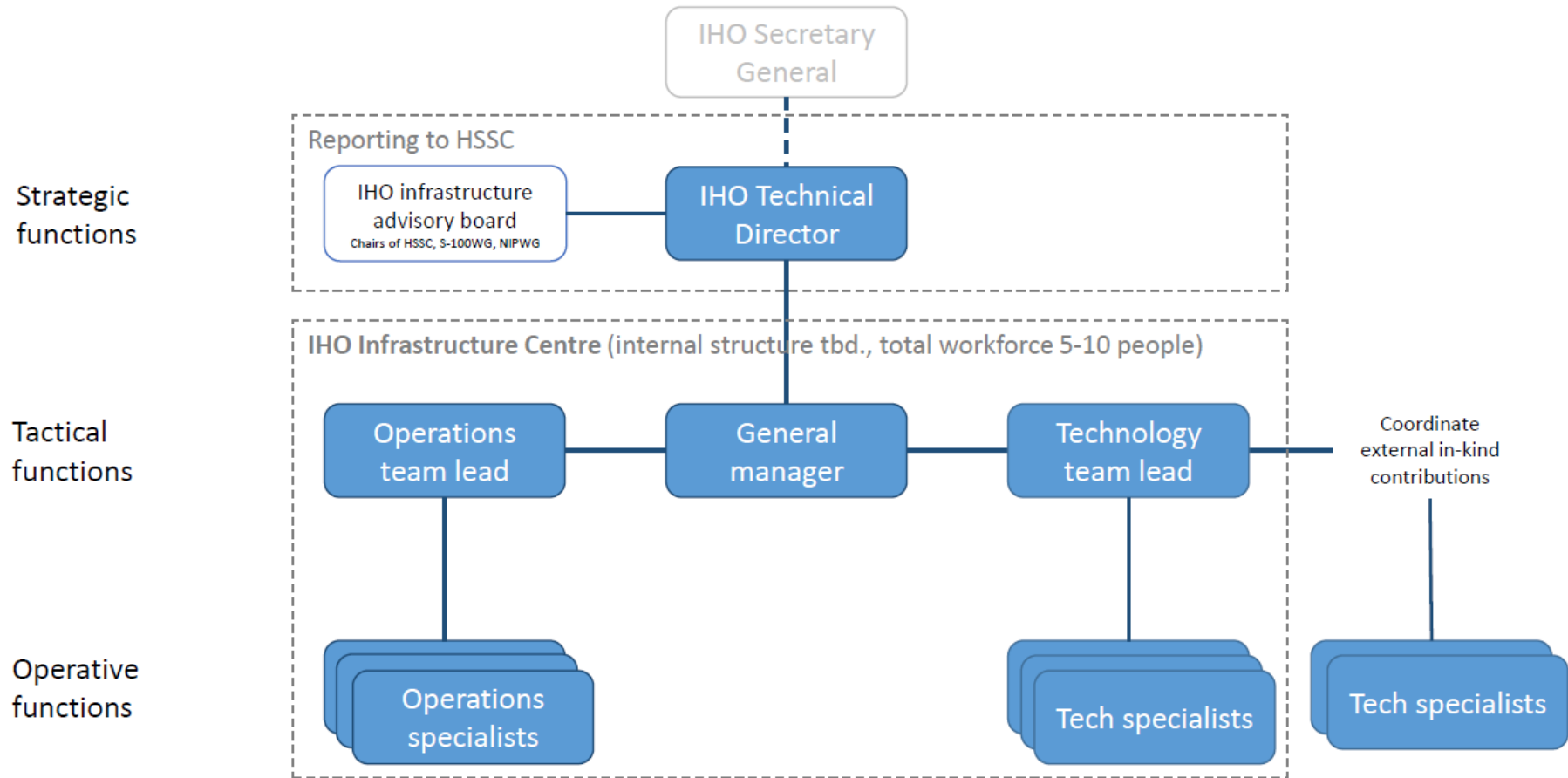
- HSSC endorsed the proposals and recommendations from the ICE-PT :
 - the name of the Centre: “IHO Infrastructure Centre”.
 - Role: support the development, operation and management of IHO governed products and required IHO services with a common base infrastructure. Not only related to S-100.
 - Initial focus will be to get S-100 operational with higher priority to 2 critical infrastructure components for the Centre
 - quality control and secure delivery of S-100 catalogues and S-164 test datasets
 - operative processes for the S-100 Part 15 security scheme
 - IHO Infrastructure Centre should be an integral part of the IHO secretariat
 - Republic of Korea is suggested as the host country. See C-8 04.4A from ROK.



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IHO INFRASTRUCTURE CENTRE – GOVERNANCE AND COMPOSITION

International Hydrographic Organization



C-8, IHO Secretariat, Monaco, 15 – 17 October 2024



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IHO INFRASTRUCTURE CENTRE - TIMELINE

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- **Proposal to the Council:**

- Approval for an interim establishment of the Centre at C-8, followed by permanent establishment.
- Task for the **ICE PT** in liaison with **HSSC** and the **IHO Secretariat** to supervise the establishment of the IHO Infrastructure Centre according to the PT Timeline:



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8th Meeting of the IHO Council

IHO Secretariat's preliminary managerial, technical, financial and administrative considerations on the establishment of IHO Infrastructure Centre

Agenda Item C8-04.4B



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THE SEAT OF THE IHO

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As defined in the IHO Convention under Article I, the “Seat” of the IHO shall be the Principality of Monaco, in which the Secretariat and its staff are located and work for the Member States.

This principle is maintained if full governance and operational oversight of the new Centre is with the IHO Secretariat in Monaco



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FUNCTIONS OF THE CENTRE

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The Centre – a Branch, Division or Field Office to operate and maintain the IHO technical infrastructure:

- Open-source platform supporting Product Specification development, maintenance, and support.
- Quality control and secure delivery of S-100 catalogues and S-164 test datasets.
- The IHO Geospatial Information Registry and S-100 toolkit.
- S-100 Catalogue distribution, quality control and testing.
- Support for navigation system type approval.
- IHO data protection scheme (S-63 and S-100 Part 15).
- Others as included in the paper.



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FULL SECRETARIAT GOVERNANCE

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- Organizational Governance - Secretary General and Directors to set the strategic direction of the organization, ensure compliance with IHO governing documents, ensure ethics and accountability, and major decision making.
- Operations Management – Coordinate the operational functions for the organization and ensure that different divisions are working together effectively. This includes the management and coordination of the IHO Assembly, Council, and other IHO bodies.
- Finance
- Human Resources
- Marketing
- Public Relations
- Others as included in the paper



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ASSESSMENT OF BASIC DOCUMENTS (M-1) IN VIEW OF ESTABLISHMENT OF THE CENTRE

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Document	Potential Changes
Convention	No changes necessary
General Regulations	No changes necessary
Rules of Procedure of the IHO Assembly	No changes necessary
Rules of Procedure of the Council	No changes necessary
Rules of Procedure of the IHO Finance Committee	No changes necessary
Agreement between the International Hydrographic Organization and the Government of the Republic of Korea concerning the IHO Infrastructure Centre and the IHO's privileges and immunities on the territory of the Republic of Korea (MOU/Service Level Agreement)	Addition necessary to be agreed by IHO Member States in accordance with M-3 IHO Resolution 5/1957 as amended



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ASSESSMENT OF IHO RESOLUTIONS (M-3) IN VIEW OF ESTABLISHMENT OF THE CENTRE

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Document	Potential Changes
12/2002 Planning Cycle	Add 3-year operating plan for Centre (draft needed)
1/2014 Guiding Principles for IHO Funds	Add paragraph 4.11 on IHO Infrastructure Centre Fund
IHO Work Programme 2.5 “IHO Infrastructure Centre”	Official resolution to be presented to Assembly establishing the Centre. Pro 2.2 of A3 recognized the need to establish an Infrastructure Centre, but there needs to be another proposal that establishes it based on the work of the PT, the HSSC, and Council endorsements C8-04.4B C8_2024_04.4B_EN_Infrastructure Centre IHO Comments_v1.docx Page 4 of 7 8/14/2024 and describe its governance (needs to be developed)



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ASSESSMENT OF STAFF REGULATIONS (M-7) IN VIEW OF ESTABLISHMENT OF THE CENTRE

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- Adaptations / Amendments will be required:
 - Definitions
 - Terms of reference
 - Official holidays that apply
 - Salaries
 - Living arrangements
 - Travel rules
 - Duty station
 - Medical coverage



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PROPOSED DECISIONS FOR COUNCIL 8

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Task	Date	Responsible Party
Agree on that the establishment of an IHO Infrastructure Centre is needed and should be done according to the proposals outlined in C8-4.1A and C8-4.4A	10/2024	Council
Task IHO Secretariat to draft Agreement - MOU/Service Level Agreement (M-1)	10/2024	Council
Task IHO Secretariat to draft updates of affected IHO basic documents (M-1 and M-7)	10/2024	Council



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PROPOSED ACTIONS BETWEEN NOW AND COUNCIL 9

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Review affected existing IHO Resolutions (M-3) and propose amendments and/or changes if necessary. Complete and/or update affected IHO Resolutions (M-3)	2/2025 in time for HSSC	ICE PT / IHO Secretariat
Draft Agreement MOU/Service Level Agreement	2/2025 in time for HSSC	ICE PT / IHO Secretariat / ROK
Finalize amendments and/or updates to IHO basic documents (M-1 and M-3) and the draft Agreement MOU/Service Level Agreement based on HSSC input for submission to C-9	7/2025 in time for Council	HSSC / IHO Secretariat



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PROPOSED DECISION OF COUNCIL 9

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Endorsement of proposed updates to IHO basic documents (M-1 and M-3) and the draft Agreement MOU/Service Level Agreement prior to submission to A4	10/2025	Council
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REQUIRED APPROVAL AT ASSEMBLY 4

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Draft resolution addressing the operation of an IHO Infrastructure Centre	12/2025 in time for A4	IHO Secretariat
Approve the installation of IHO Infrastructure Centre, including Resolution, Agreement MOU, and updated IHO basic documents	4/2026	Assembly 4



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PROPOSED POST ASSEMBLY 4 ACTIONS

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Sign MOU/Service Level Agreement	5/2026 if resolution passes A4	ROK / IHO Secretariat
Propose Draft 3-Year Operating Plan	In time for approval at A4 (December 2025/January 2026)	HSSC / ICE PT / IHO Secretariat
Communication Plan	continuous	IHO Secretariat, HSSC and IRCC chairs



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SUMMARY OF ACTIONS FOR COUNCIL CONSIDERATION

- The Council is invited to:
 - a. Agree on the basic division of roles between the IHO Secretariat and the proposed Centre.
 - b. Agree on the IHO documents that need updating or drafting.
 - a. Basic Documents (M-1)
 - a. Agreement between the IHO and the ROK concerning the IHO Infrastructure Centre, its roles and responsibilities, and the privileges and immunities to be applied to Centre staff.
 - b. IHO Resolutions (M-3)
 - a. Guiding Principles for IHO Funds, paragraph 4.11 on IHO Infrastructure Centre Fund
 - b. IHO Work Programme amendment “IHO Infrastructure Centre”
 - c. Staff Regulations (M-7) iv. 3-year operating plan
 - c. Agree on timeline presented for Centre implementation
 - d. Mandate the Secretariat to liaise with the sponsoring Member State to work out detailed agreements to be presented to C-9 for endorsement prior to A-4 Approval 2026.

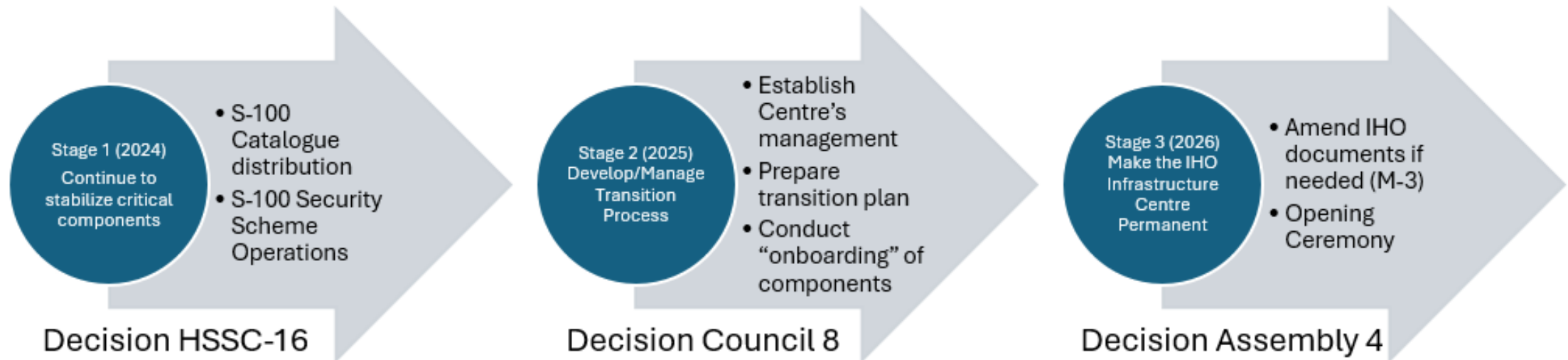


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ACTIONS REQUESTED FROM THE COUNCIL

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- Agree on the overall timeline including the advanced (interim) establishment of the IHO Infrastructure Centre starting in 2025 under the supervision of the **IHO Secretariat** and **HSSC** followed by a permanent establishment to be decided by Assembly-4.
- Agree on the name, IHO Infrastructure Centre (endorsed by **HSSC**).





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THANK YOU

C-8, IHO Secretariat, Monaco, 15 – 17 October 2024