



16th Meeting of the Inter-Regional Coordination Committee (IRCC)

Report of the WENDWG rev1

IRCC-16, Puerto Ayora, Galapagos, Ecuador, 10 – 12 June 2024



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MEETINGS AND NEW LEADERSHIP

International
Hydrographic
Organization

- WENDWG14 – 20-22 February 2024 – Norfolk, VA, USA
 - Mr Jens Schröder-Fürstenberg (BSH, DE) and Mr Jason Scholey (UKHO, UK) new appointed chair and Vice-Chair respectively (effective July 1, 2023)
- Next Meeting – 18-20 February 2025 – Wollongong, AUS



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PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

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Status of actions from IRCC14 and IRCC15

Action item	Task	Status
IRCC 14/13	<i>template for SPI 1.3.1</i>	Complete
IRCC15/6	<i>mirror the HSSC ISO Cell on S-101</i>	Complete, lack of resources
IHO Inclusivity policy	a) <i>meeting participation</i> b) <i>gender-inclusive language in TOR</i>	a) complete b) complete

NO PENDING ACTIONS



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WORK PROGRAMME

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WEND-100 Principles and Guidelines on the Implementation of the WEND-100 Principles

WEND-100 IGIF Product and Service Matrix

S-100 Coordinator

Chart Scheming Update

- WEND-100 Principles are sufficient to meet the objectives.
- Amendment to the WEND-100 Principles and the S-100 Roadmap are under consideration by WENDWG; taking into account the maturity of S-100 products.
- Ad hoc drafting group established for preparing amendments to the Guidelines on the Implementation of the WEND100 Principles and inputs for the revision of the IHO Strategic Plan.



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Chart Scheming Update

- Only 50% of the Regional Hydrographic Commissions (including HCA) responded with a total score of 45.85.
- IGIF Matrix considered important for HOs having no S-100 services scheduled yet.
- A new readiness level questionnaire was released in fall 2023 indicating an S-100 readiness level estimate of ~53% using a basic statistical approach.
- A follow-up survey on the readiness level of ENC Producing Member States is scheduled for November 2024 for calculating SPI 1.3.1 in preparation of the IHO Annual Report, and WENDWG-15 meeting.
- Future annual completion of the WEND100-IGIF matrix by RHCs optional only.



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Chart Scheming Update

- The WENDWG noted a lack of S-100 Coordinators in several Regional Hydrographic Commissions.
- The S-100 Coordinator role goes far beyond the traditional Charting Region Coordinator (Region X ICCWG in general).
- The IHO Secretariat took the initiative of collecting the information available with regard to S-100 coordination in the RHCs.



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Chart Scheming Update

- Still no common ground for pursuing a global common grid scheme. Risks coverage issues exist where grids do not align or excessively overlap.
- Task RHC Chart/S-100 Coordinators with reporting their planned S-101 chart schemes for each region, usage bands 1 – 4.
- Task RHCs to consider overlap avoidance in S-101 coverage development.



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PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

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S-101 production challenges

S-100 Communication Strategy

S-11 - Part C

- Various RHCs raised concerns regarding S-101 spec still being in draft.
- Future delays in finalization will lead to RHCs not being able to produce S-101 by Jan 2026 as vendors time to implement the specs into software.



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PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

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S-101 production challenges

S-100 Communication

Strategy

S-11 - Part C

- IHO needs to develop a consolidated communication strategy.
- Focus on readiness and expected geographic coverage of S-100 based products and data services in the following years, from 2026 onward.
- Stakeholder affected are: End-users, manufacturers, IMO.



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PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

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S-101 production challenges

S-100 Communication Strategy

S-11 - Part C

- WENDWG seeks appointment by IRCC to develop S-11 Part C, without the obligation to go through the NCWG as current custodian of S-11 Part A.
- Proposed Title “*Guidelines for the Coordination and Management of the Development of S-100 Electronic Navigational Data Services (other than S-101 ENCs)*”
- The WENDWG established an ad hoc S-11 - Part C drafting team to develop a proposed Edition 1.0.0 of S-11 Part C
- Submission planned for approval of IRCC in 2025 for testing and experimentation in accordance with IHO Resolution 2/2007).



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PROBLEMS ENCOUNTERED

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Existing ENC coverage overlaps

- Some critical overlaps at UB5 (Harbour) exist in the Region H, not solved for several years. This circumstance will be not accepted at all when moving to the S-101 ENC world. (The meeting noted objections raised by Türkiye on this statement and on the application of the measures planned in IHO Resolution 1/2018 to eliminate overlaps.
- Some overlaps at UB2 exist in the Region I, not solved for several years. This circumstance will be not accepted at all when moving to the S-101 ENC world.



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OTHER ITEMS TO NOTE

International
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Communication strategy

Revision of S-100 roadmap

IHO Reports to IMO

- WENDWG identified a need to consider the development of a communication strategy towards end-users, manufacturers, IMO, addressing readiness and expected geographic coverage of S-100 based products and data services in the following years, from 2026 onward.



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- IHO Committees should be engaged into the development of a new distribution model, including cybersecurity and integrity measures and ensuring that end-users can easily access and get all S-100 Phase I products and ENDS in confidence along a given route.



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OTHER ITEMS TO NOTE

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Communication strategy

Revision of S-100 roadmap

IHO Reports to IMO

- IHO Report to IMO should report from 2026 onwards the global coverage with S-101 data
- Determination of thresholds at which S-101 coverage the sunset of S-57 causes no safety risk for navigation.



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ACTIONS REQUESTED FROM IRCC

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NECESSARY

IMPORTANT (report)

NICE-TO-DO (report)

- Note the 2023-24 accomplishments of the WENDWG
- Recommend the RHCs to develop their schedule to meet the 2026 IMO target (S-100 ECDIS) and share their own roadmap at the next WENDWG and IRCC meeting. (support preparation of the next IHO Strategic Plan (2027-2032))
- Urge NIOHC and SAIHC to address the overlaps and to resolve them as a top priority issue.
- Recommend RHCs to consider more carefully the possibility of developing a capabilities-based approach at regional level; noting the complexity of the S-100 eco-system.
- Task the WENDWG to a) develop further the S-11 Part C table of content, and b) continuation of drafting work; targeting completion by IRCC17



A Ship is SAFE in harbour but ...

***That's not what
SHIPS are built for.***

Willam H Shedd