



# MBSHC24 (2024)

**24<sup>th</sup> Conference**  
**2 - 4 July 2024, Constanta, Romania**

**FICC Coordinator**



The 14 th meeting of the Worldwide ENC Database Working Group (WENDWG), was held from 20 to 22 February 2024 in Norfolk, Virginia, USA. Forty-one delegates from 21 Member States representing 12+1 Regional Hydrographic Commissions , the RENCs (IC-ENC, PRIMAR, and the EAHC-RECC) attended the meeting. Two stakeholders participated at the meeting of the WG.

Director Luigi Sinapi and Assistant Director Yves Guillam (Secretary) represented the IHO Secretariat.



The **WENDWG Chair** presented the main objectives of the meeting, echoing the IMO Secretary-General and the Director of NASA, (*“safety is our priority, failing is not an option”*).

IHO Director Luigi Sinapi highlighted the importance of defining a S-100 capabilities-based approach at regional level and for the WENWG to provide subsequent guidelines through the IRCC to the S-100 Regional Coordinators for a timely and harmonized implementation of the S-100 Roadmap.



The Chair provided a short report on the accomplishments of the WENDWG since the last meeting.

Additionally he commented that the RENCs, which maintain the S-57 ENC's Data Flow Diagram from Producers to End-Users on an annual basis, confirmed that they had started to design the much more complex description of the diagram applicable to ENDS in the S-100 eco-system.



The level of readiness of Hydrographic offices was discussed in order for a certain extend of geographical coverage in S-1xx products should be presented in NCSR until 2025.

The RENCs informed the participants on the development of their S-100 Services in general which look very promising since they cover the full scope of challenges faced by their members.



The RHCs reported on the general situation in their associated Charting Region, and shared the challenges they face, and the various options retained in the implementation of the S-100 Roadmap

Together with the outcome of a survey on the readiness level of the RHCs and Member States presented by the Chair, the discussion revealed a large span of readiness level and the difficulty.



From this survey, the metrics on the SPI (Strategic Performance Indicator) 1.3.1 was refined and will remain in force until the term of the current IHO Strategic Plan 2021-2026.

The WENDWG agreed that there was a need to prepare for the 2025 IHO Reports to the IMO, the expected coverage of the full Phase I spectrum of S100 based products in January 2026 and onwards, including S-101.



It was mentioned that INTToGIS III remains the one-stop-shop platform to support the RHCs and give a worldwide vision of the S-100 plans and production.

KHOA (Republic of Korea) announced a delay for the development and testing phases of the interface by the IHO Secretariat, Member States and RHCs, this interface being necessary as long as the S-128\* files are not available.

\* NCSR 11 established a correspondance group on S-128 products





the WENDWG agreed to set up two ad hoc drafting groups:

One, led by the Chair, in charge of

the development of a new S-11 Part C Guidelines for the Coordination and Management of the Production and Distribution of S100 ENDS.

One, led by the Vice-Chair,

for preparing amendments to the Guidelines on the Implementation of the WEND100 Principles and for contributing to the revision of the IHO Strategic Plan.



The Stakeholders' session main idea arising from their presentations , for the S-100 concept to remain attractive to the end-users, are:

- The first objective for the IHO should not only be to complete the S-101 ENC coverage equivalent to the S-57 ENC's one, but to engage the IHO into the development of a new cyber secure distribution model such as a “one-stop-shop for all S-100 data services along a given route” .
- Considerations to be given on push versus pull cyber secure shore-ship distribution models, to the benefits expected by functional mariners' requirements and considered by manufacturers for the launch of S-100 ECDIS which are: S-102, S-104, S-111, S129, and then S-128 .



The **WENDWG** noted the objection from **Türkiye**<sup>1</sup> on the content of this List of Coordinators for the **MBSHC/Region F**.

The issue of overlaps was discussed as a top priority in accordance with IHO Resolution 1/2018 and in application of *Guidelines for the implementation of the WEND Principles* (Art. 1.7 refers.). Objection was raised from **Türkiye**<sup>2</sup> at this stage.

<sup>1</sup> Decision WENDWG 14/38. List of Regional Coordinators

<sup>2</sup> Decision WENDWG 14/18. Overlaps in SAIHC



Noting the progress made in the conversion procedures from S-57 ENC's to S-101 ENC's the WENDWG agreed to close the task aiming to develop guidelines for S101 ENC scheming along a Global Common Grid.

The revision of the WEND Principles was not addressed at the meeting and was decided until the production of the first S-1xx products in 2026.



The WENDWG noted the progress and concerns raised by the representatives of the following RHCs. Live basic/subjective assessment of the S100 coordination readiness level in RHCs for meeting 2026-2029 milestones

The WENDWG agreed to disband the ad hoc drafting group on ENC Scheming Guidelines until demands evolve.



The WENDWG agreed to make the annual fulfilment of the WEND100-IGIF matrix by RHCs optional only, since it remains a useful reference / checking list for S-100 implementation and exchange of best practices.

The WENDWG also agreed to report to IRCC for consideration by the CBSC in order to orient some CB support in S-100 to IHO MS under RHCs coordination, preventing the IHO from failing the commitments against the IMO.