

WENDWG Report to the 27th BSHC Conference

by Jarmo Mäkinen, BSHC WENDWG representative

1. Status of the work of WENDWG

Chair: Mr. John NYBERG (US)

Vice-Chair: Annika Kindeberg (SE)

Secretary: Yves GUILLAM, IHO Secretariat.

Members: Representatives of Regional Hydrographic Commissions, representatives of IHO Member States, RENCs. [Link to WENDWG membership List](#)

2. Meetings since last BSHC (BSHC26 Sept 2021)

WENDWG12, IHO Monaco/VTC Meeting, 22-24 February 2022.

3. WENDWG12

The following main topics were discussed during the WENDWG12 meeting:

- S-101 ENC Scheming Guidelines
- S-1xx Implementation Guidelines
- HD ENCs
- INTogIS III and S-128
- CATZOC and SPIs
- Important matters raised by ENC Charting Regions Coordinators
- WEND-100 Product Matrix IGIF

S-101 ENC Scheming Guidelines

- The WENDWG12 was established a drafting group (led by Japan) working on the S- 101 ENC Scheming Guidelines.
- The drafting group reported that no consensus for a Global Common Grid Scheme was reached yet.
- The chair (JPN) proposed two options:
 - o Option 1; Based on the current situation and various positions, no need for Guidelines, keep S-57 general framework "as is" in the transition to S-101 production, disband drafting group for now.
 - o Option 2: RHCs Reps to report at WENDWG-13 on their views and general strategy about the transition from S-57 to S-101 (dual) production and also on their views on a long term objective for ENC re-scheming.
- The meeting agreed the way forward was to proceed under option 2 (maintain status quo, and reconsider at WENDWG-13 based on RHCs' reports.
- The RHC representatives tasked share their agreed strategy at regional level on S-101 ENC Scheming/Production (status quo, Grid system etc, not excluding other S-1xx products) and report back at the next WENDWG meeting.
- The drafting group will continue for now monitoring and collating case studies.

S-1xx Implementation Guidelines

- WENDWG 11 established an ad hoc team to work on the implementation guidelines for S-1xx (including S-102, 104, 111, 124, 128 and 129)
- The WENDWG commended the drafting group (led by NL) for their outstanding work.

- It was decided to focus to use case SOLAS V (ECDIS) considering S-102, S-104, and S-111 products in particular.
- it was also agreed that consideration should be given by the drafting group to make a distinction in the non-SOLAS use case between navigation use and other use than navigation.
- For S-124,128 and 129, no additional guidelines regarding the application of WEND-100 was identified at this time.
- The draft of the S-1XX Implementation Guidelines was submitted to IRCC14
- [Link to WEND100 Principles \(IHO Resolution 1/2021\)](#)
- [Link to the Draft Guidelines on the Implementation of WEND100 Principles](#)

HD ENCs

- The WEND WG conducted a survey on HD ENC's between July and September 2021 (CL 26/2021). 37 Member States participated in the survey, and while the results showed that some Member States are producing HD ENC's assuming that S-1xx will not be available to replace HD ENC's for 5 to 10 years.
- The WENDWG will put forward recommendations to IRCC, noting the user needs for improved safety contours and inviting all the member states to consider doing this before S-100 ECDIS becomes widely available with S-102.

INToGIS , S-128

- The WENDWG commended KHOA and other contributors on the work done to date on the development of INToGIS II. The group also agreed on the proposed way forward on the development of INToGIS III which will use S-128, as much as is practical, to allow hydrographic offices and other users to visualize S-1xx product coverage in the future.
- The US (NGA) gave an update on the World Port Index database and maintenance procedure and invited them to consider the possibilities offered by the development of S-131 as a possible way forward in the future. NGA will provide a status report to the Secretariat on the worldwide coverage traffic density layer information note, before it can be officially commissioned in INToGIS II.

CATZOC and SPIs

- As part of INToGIS II, an additional CATZOC layer is available to IHO Member States (only Manager Mode). For the automated implementation of some IHO SPI 1.2.2 (*Percentage of navigationally significant areas for which the adequacy of the hydrographic knowledge is assessed through the use of appropriate quality indicators*).
- For maintaining the CATZOC layer in INToGIS, the WENDWG Chair and IHO Secretariat request that Member States reconsider their position on providing CATZOC layers and to allow the distribution of their CATZOC data to the Secretariat (see Annex).

Important matters raised by ENC Charting Regions Coordinators

- The WEND WG received reports from a number of ENC Regional Chart Coordinators and discussed the expanding role of the Coordinators. The Working Group decided to propose that the IRCC IRCC14-07D1_V2 recommend
 - o New S-1xx Coordinator roles to be established in the RHCs either as separate from the Chart Coordinator or as an additional duty of the Coordinator.
 - o The new position would be responsible for considering the progress and coordination of S-1xx products as they become available, starting with the pathways outlined in the WEND Product Matrix.

WEND-100 Product Matrix IGIF

- The WENDWG agreed to build a WEND-100 Product Matrix to help ensure that UN-Integrated Geospatial Information Framework pathway principles are being considered as new S-1xx products become available.
- The Matrix is being developed in accordance with the IGIF's nine strategic pathways. The WENDWG also agreed to recommend to IRCC14 (Action WENDWG12/33) that RHCs include a standing agenda item in their forthcoming Meetings, by which they engage in the development of a regional organizational pathway (UN-GGIM compliant - Integrated Geospatial Information Framework (IGIF). This would be an important step in helping to advance progress on the S-100 Implementation Roadmap, along with the nomination of Regional S-100 Coordinators.
- [Link to UN GGIM IGIF](#)
- [Link to WENDWG CL 2/2022 \(10 August 2022\)](#)
- Link to [WEND100-IGIF Matrix](#)
- This matrix will be a tool for measuring IHO SPI 1.3.1 (*Ability and capability of Member States to meet the requirements and delivery phases of the S100 implementation plan*).
- RHCs (or WENDWG Representatives of RHCs in the WENDWG) are invited to complete this WEND100-IGIF Matrix on an annual basis no later than **15 January 2023**, before next WENDWG (IHO SPI 1.3.1).

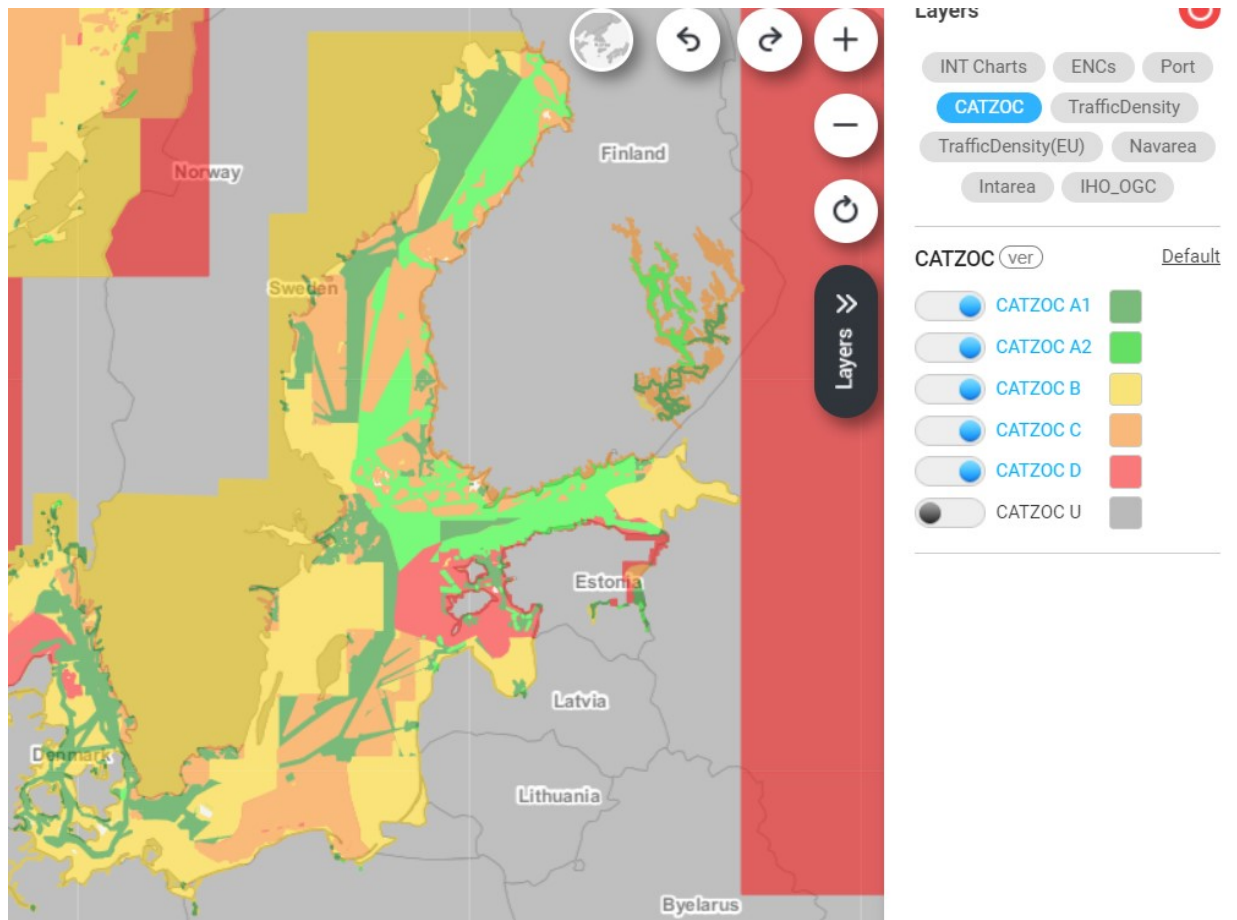
4. Next meeting

The next meeting (WENDWG 13) will be held in Aalborg, Denmark, 21 - 23 February 2023.

5. Actions for the 27th BSHC Conference

- Note on this report.
- Discuss and comment on the S-101 Scheming Guidelines and provide follow-up guidance.
- Discuss and provide updates for WEND100-IGIF Matrix.
- Note the Recommendation for RHCs to establish an S-100 Coordinator role.
- Give further guidance to BSHC WENDWG representative.

ANNEX



Status of CATZOC in the Baltic Sea.