



TRAFICOM

Finnish Transport and Communications Agency



BSICCWG Report BSHC28 D.8

BSICCWG9 Meeting

24-25 May 2023

Rostock, Germany



BSICCWG9 Meeting

► Status of the work

- The **focus of the work** has shifted **towards S-100 products**
- Still the paper charts and S-57 ENC's will be official products for several years. But they should be accomplished with less workload.
- The meeting was divided to two separate parts;
 - First day: paper charts and S-57 ENC's
 - Second day: 100 products (S-101, S-102)



BSICCWG9 Meeting

▶ Paper charts

- ▶ Continuous Updates and INTToGISII are working fine.
- ▶ Some challenges were identified with national letters, locking and port information.
- ▶ Denmark will take over responsibility for INT 1304 from Germany in 2023.
- ▶ Sweden will take responsibility of German INT1201 (Jan 2024).
- ▶ Sweden will reconsider taking the responsibility to produce INT120.

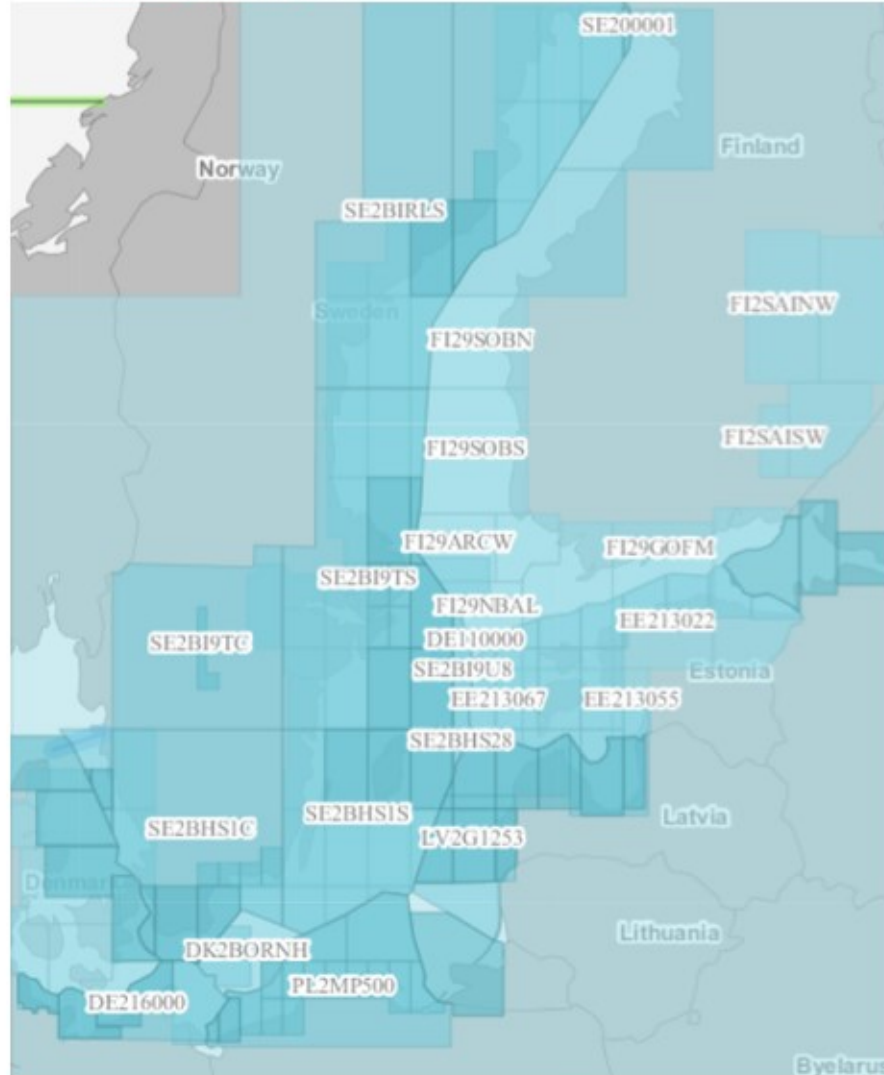
▶ S-57 ENCs

- ▶ Germany is giving up the production of Baltic Sea overview cell by the end of 2023.
- ▶ Sweden can re-investigate the possibility of making Baltic overview ENC.
- ▶ Denmark has already decided to make their own overview cell from their own waters.
- ▶ Gaps and overlaps were discussed. The BSHC Overlap report (provided by IC-ENC) was reviewed. There are some thin overlaps just over the 5m tolerance. Overlap issues will be resolved by the end of 2023.
- ▶ There are some gaps in the waters, where responsibility belongs to Russia.

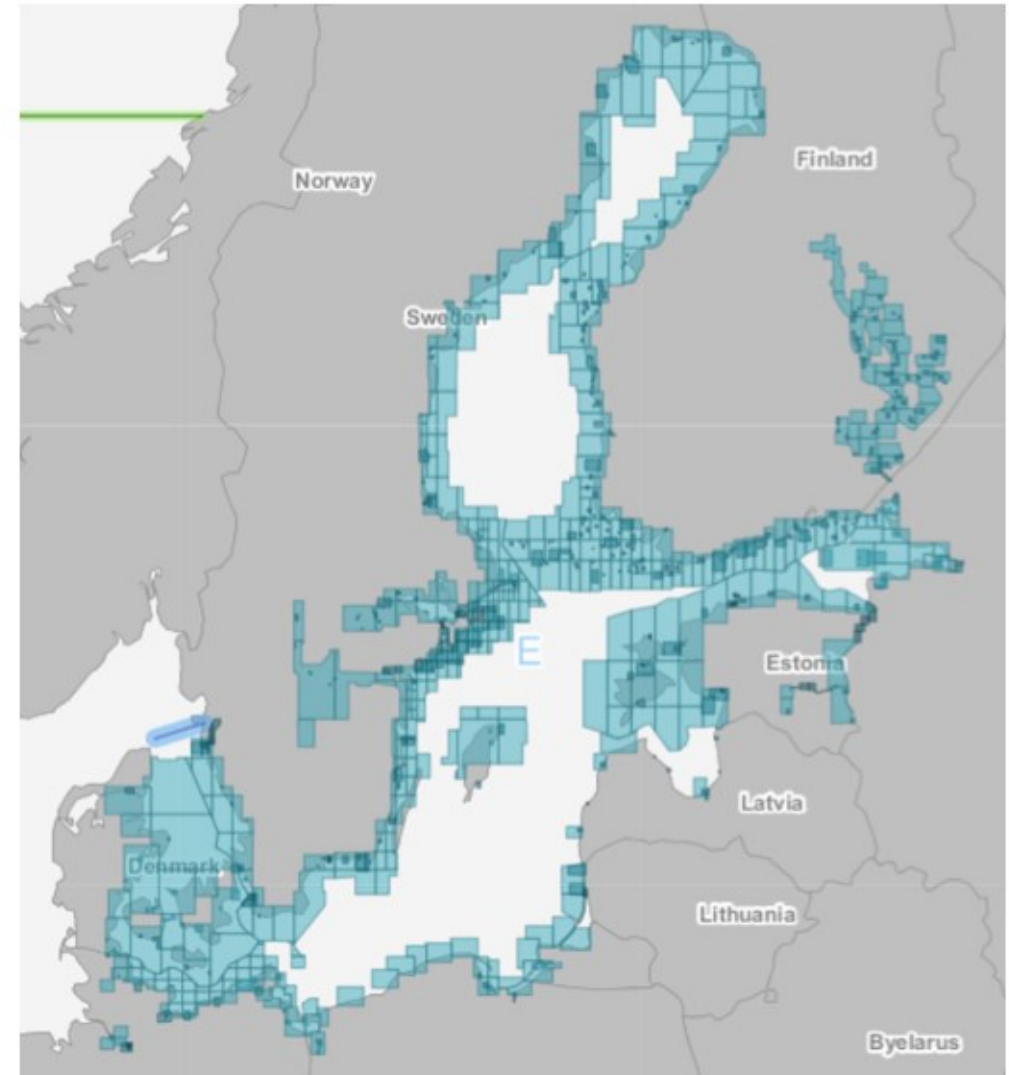
S-57 ENC COVERAGE - BALTIC SEA

Usage bands 1, 2, 3

- UB 1: 1
- UB 2: 41
- UB 3 :120
- UB 4: 460 (+ 10 %
since 2020)
- UB 5: 622 (+ 27%)
- UB 6: 220 (+18%)



Usage bands 4, 5, 6



► S-101 scheming plans in the Baltic Sea

- WENDWG13 tasked the WENDWG Members/RHCs Reps to report, for each Charting Region, on their S-101 ENC planned Schemes (using INTOGIS III, when available, Sept 30?)

Country	S-57	S-101	S-102	Remarks
Denmark	Grid/regular grid	Regular grid	Regular grid	
Estonia	Grid	Grid	Grid	No plans to change now
Finland	Grid	Grid	Grid	Have tried regular grid before
Germany	Grid/regular grid	Regular grid	Regular grid	
Latvia	Grid	Not decided	Not decided	
Lithuania	Grid	No info yet	No info yet	
Poland	Grid	Grid	-	Has studied reg grid
Russia	Grid	No info	No info	
Sweden	Grid/regular grid	Grid/regular grid	Grid/regular grid	

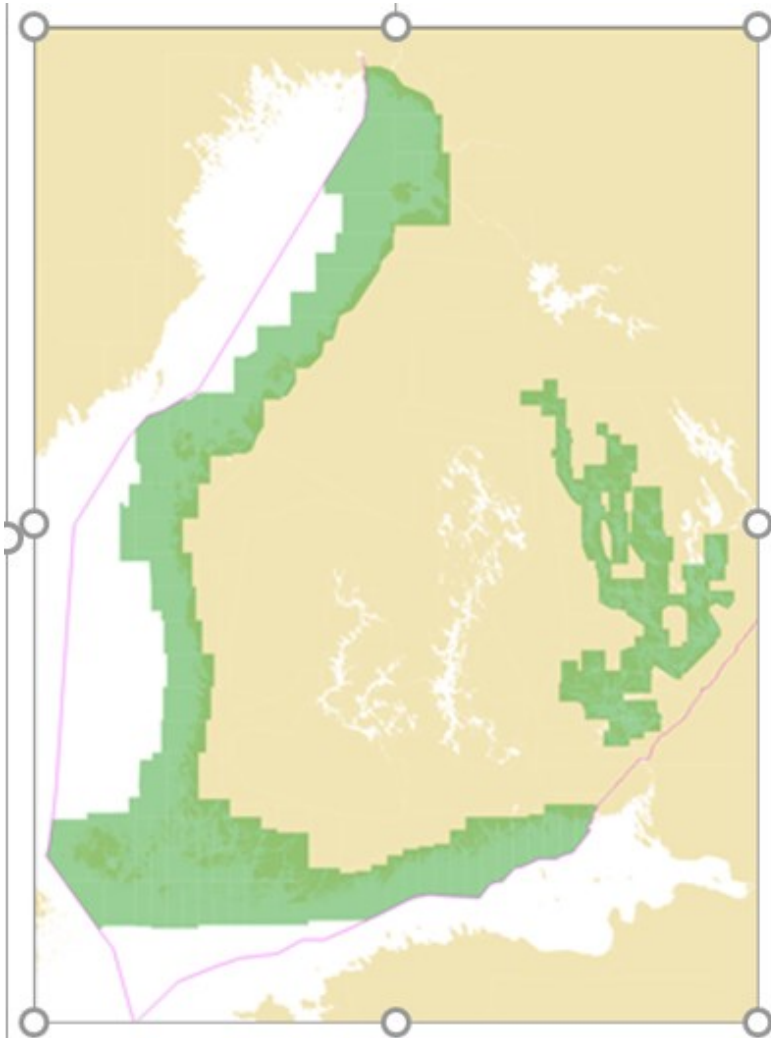


IHO

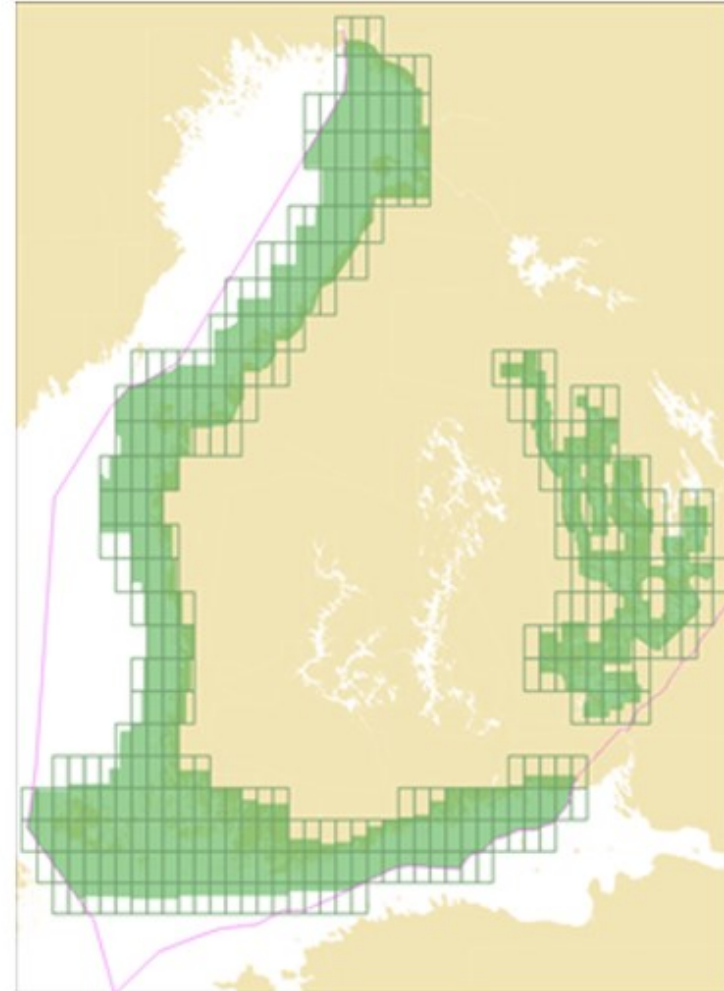
ANALYSIS/DISCUSSION

S-101 ENC Scheming Guidelines- Case study: Finland

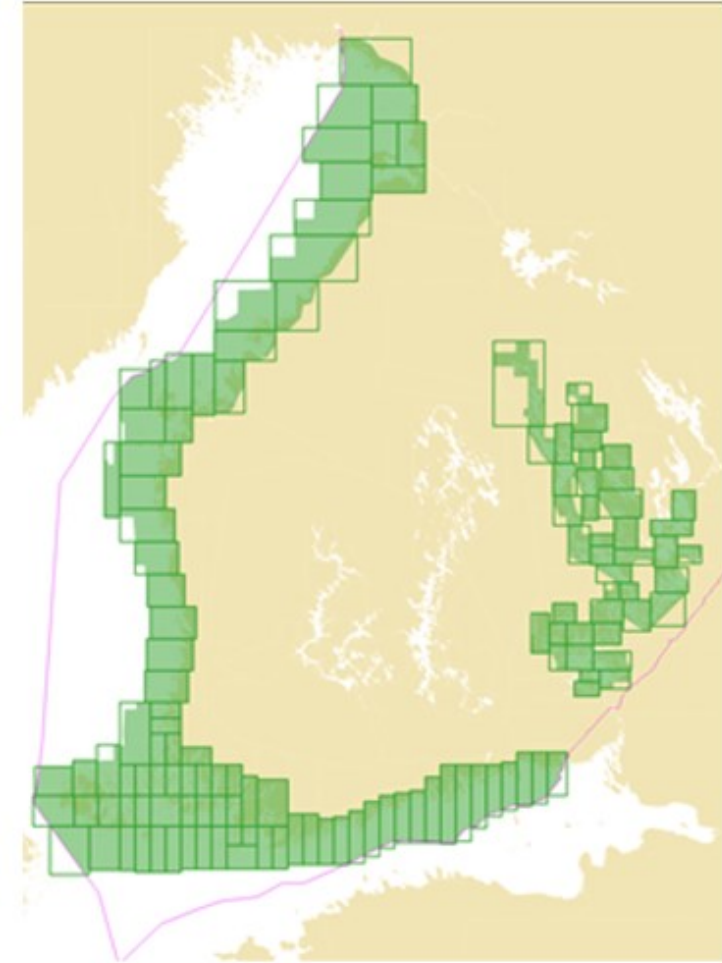
International
Hydrographic
Organization



Approach coverage area



Regular 15'x15' grid, (335 cells)



Existing approach ENC -scheme
(131 cells)

► S-101/S-102 production plans/time schedule

- Many member states have conducted tests or are involved in various projects testing the making of S-101 and S-102 products. However, practical implementation plans are still at a fairly early stage. Technical readiness is quite good, on the other hand, the approval of the standard is still pending.

Country	S-101	S-102	Remarks
Denmark	Test conversions to the data, developing work with ESRI	Tested, main focus S-101 now	Ready to start 2025/2026
Estonia	Test conversations, no exact prod. plan yet	No plans yet	Ready to start 2026
Finland	Database conversion 2024	Tested, readiness exists	Ready to start 2026
Germany	Has tested several conversion softwares	Tested	Ready to start 2026
Latvia	Has tested conversions	-	Ready to start 2026
Lithuania	No info	No info	
Poland	Several cells converted	-	Ready to start 2026 (from main ports)
Russia	No info	No info	
Sweden	Database cleaning for S-101	Testing in Gorhenburg area	Ready to start 2025.

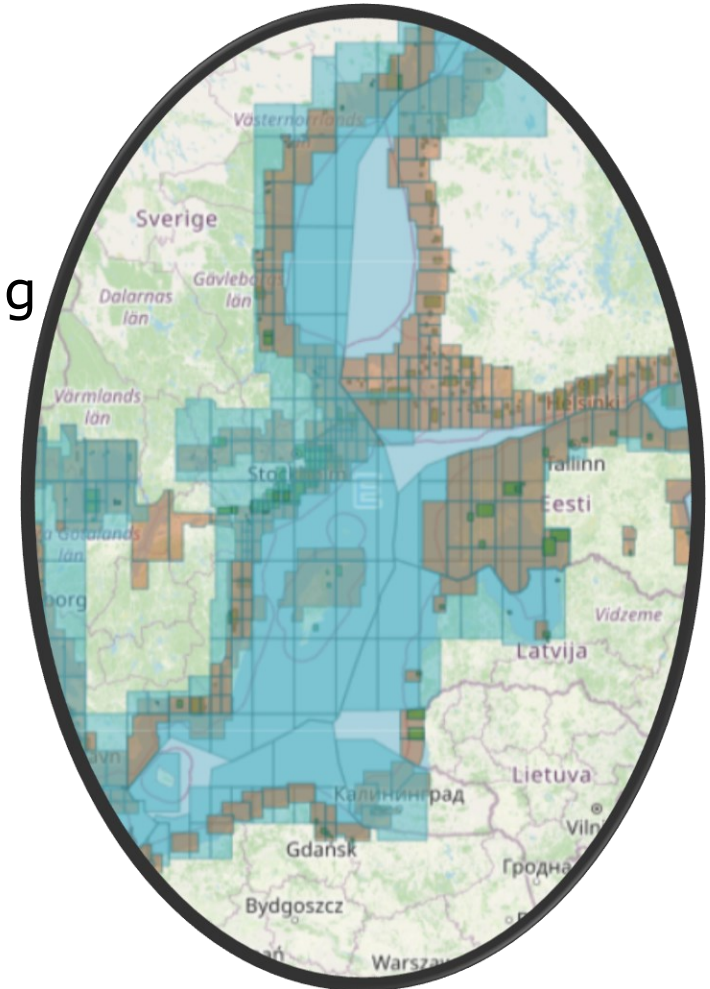
▶ **S-101/S-102 production plans/time schedule**

▶ High dependency on CARIS/ESRI software development.

▶ It is **very important**, that **all the countries** will start thinking **the areas where S-101 products could be first produced in 2026;**

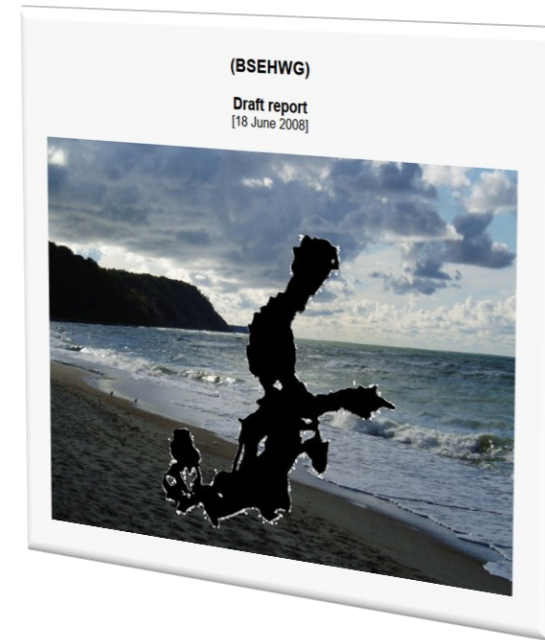
- Main harbours, high density traffic areas or..?

▶ There must be a concrete **plan for the Baltic Sea area, where and when S-101** (and S-102) products will be **available?**



Need for the new harmonization recommendations of S-101 and S-102 in the Baltic Sea?

- ▶ Back in 2007 a harmonization working group (BSEHWG) was formed by BSHC12 that made 17 recommendations for harmonization of S-57 ENCs in Baltic Sea area.
- ▶ BSEHWG report can be a starting point and new areas of harmonization can be added to the recommendation list.
- ▶ Previous recommendations can maybe also be adjusted to fit the S-101 environment.
- ▶ With S-102 there can also be things to harmonize and have conversations between HOs before everyone is going into separate ways in production.
- ▶ Everyone agreed that new harmonization recommendations are needed for S-101 and possibly also S-102.
- ▶ Sweden had submitted a proposal for interim project teams to the BSICCWG9 meeting.
- ▶ Majority of the members supported the idea of at least S-101 harmonization project team but since there was no consensus, this topic was sent to BSHC to decide whether to form a project teams.



Future work of BSICCWG

- To monitor INT charts and ENC coverage in the Baltic Sea and maintain and adopt ENC schemes in Baltic Sea (IHO CL64/2015)
- To provide continuous updates to S-11 Part B for INT Region E through the INTToGIS II (III) tool.
- To analyze gaps and overlaps and report to BSHC and WENDWG.
- To provide updates to World Port Index.
- To develop and maintain an integrated international chart scheme for the region for ENCs (S-57 and S-101) and INT charts.
- To harmonize similar content of S-102 Bathymetry products in the Baltic Sea.
- To work and coordinate other S-100 -products in the Baltic Sea.
- To study issues related to nautical charting of the region, in particular overarching S-100 coordination (gathering plans from Member States and reporting as WEND representative of the BSHC).
- The next BSICCWG (face to face) meeting is planned to take place in Sweden 22.-23.5.2024.

Actions for the 28th BSHC Conference

- ▶ Note this report.
- ▶ Approve the proposal for the new TORs for BSICCWG (annex 1).
- ▶ Endorse and discuss the need for the S-101 and S-102 Harmonization Project Teams (annex 2).
- ▶ Give further guidance on the coordination of S-101 and S-102 and in particular S-100 overall reporting.

Thank you!
Questions?

