Minutes
of the
The 9th meeting of the Baltic Sea International Chart Coordinating Working Group (BSICCWG)
24-25 May 2023
Rostock, Germany

Participants:

Denmark	Kell Torp Jensen
Denmark	Nikolaj Møller
Estonia	Maris Akkerman
Estonia	Gabriela Kotsulim
Finland	Jukka Helminen (Secretary)
Finland	Jarmo Mäkinen (Chair)
Germany	Arvid Elsner
Germany	Jens Schröder-Fürstenberg (Day 2)
Germany	Sylvia Spohn
Latvia	Ilze Driksne
Poland	Jacek Kijakowski
Poland	Adam Klosinski
Sweden	Stefan Cederberg
Sweden	Elisabeth Farrington

DAY 1

A. Opening Formalities

A.1 Opening remarks

Chair Jarmo Mäkinen (FI) opened the meeting at 09:30. It was the first physical meeting since 2019 in Riga, Latvia. Jens Schröder-Fürstenberg (DE) welcomed everyone to Rostock and to the meeting and emphasized the important work of chart coordination.

A.2 Welcome and Practical Arrangements

Docs:
BSICCWG9_A.2 Program

Chair and organizers informed the participants about the practical arrangements.

A.3 Introduction of the participants

Docs:
BSICCWG9_A.3__BSICCWG List of BSICCWG Members
BSICCWG9_A.3.1__BSICCWG9_List of participants

The participants introduced themselves. List of members was reviewed. No changes to the members list.

A.4 Adoption of the Agenda

Docs:
BSICCWG9_A.4_Draft Agenda v3

Agenda was reviewed. Additional agenda items to agenda point E.

- E.2 CATZOC in small scale paper charts
- E.3 Geographical names in sea areas
- E.4 Pararallels of INT charts

A.5 Minutes and actions from BSICCWG8 (extra-ordinary meeting)

Docs:
BSICCWG9_A.5_ BSICCWG8 minutes

Minutes of the last meeting (BSICCWG8) was reviewed. There was a question whether Estonian MAGVAR questionary was sent to NCWG.

Action 1: Chair to check that the results of the MAGVAR questionary has been sent to NCWG chair (June 2023).

A.6 Minutes and actions from BSHC27

A.6.1 BSHC27 actions for BSICCWG

Docs:
BSICCWG9_A.6.1_ BSHC27 actions
Link to BSHC27_Final_List_of_Actions

Actions from the BSHC27 September 2022 were reviewed. New tasks for BSICCWG to follow IHO S-100 implementation plan and to coordinate S-101 and S-102 in the Baltic Sea area.

A.6.2 BSICCWG report to BSHC27

Docs:
BSICCWG9_A.6.2_BSICCWG report to BSHC27
Link to BSHC27_D8_BSICCWG_Report
BSICCWG9_A.6.2.1_BSICCWG report to BSHC27_presentation

Report and presentation were reviewed.

Short discussion between Germany and Denmark about the Baltic Sea chart datum change. Can Germany release charts covering Denmark waters as BSCD2000 if Denmark has not yet released them in BSCD2000. There are no actual changes in the data in these cases. No practical meaning in this area.

A.6.3 BSHC WEND representative report to BSHC27

Docs:
BSICCWG9_A.6.3_BSHC WEND representative report to BSHC
Link to BSHC27_D7_WENDWG Report

BSICCWG9_A.6.3.1_WENDWG report to BSHC27_presentation

Chair presented the report and presentation. BSICCWG Chair represents BHSC in WEND working group.

Short discussion about HD ENCs. Generally, the production of HD-ENC is not in the plans of the Member States. Put more effort into the future S-102. Germany has started a research if and how to produce HDENCs to bridge time between now and S-102 standard availability.

Finland uses denser depth contours with one meter interval in some places. These are in and around fairway areas. These denser contours are not on paper charts but only on ENCs (approach, harbour, berthing). They are used on depths between 6 m and one whole meter over the dredged depth of the fairway area. For example, 10.6 m fairway would have contours with 1 m interval between 6 m and 12 m.

There was a discussion whether it would be difficult to read these denser contours. The main point in Finland is that the user can use safety contour on ECDIS and then be able to see the most important of the contours. Small clutter does not matter. There was a question whether denser depth contours have different SCAMIN values than the rest of the depth contours in Finland. They do not.

A.7 Future work of BSICCWG

A.7.1 BSICCWG TORs- new tasks

Docs:
Link to BSICCWG_TERMS-OF-REFERENCE-AND-RULES-OF-PROCEDURE.pdf

Chair explained the process of doing changes to Terms of Reference in practical level. According to BSHC27 actions coordination of S-101 and S-102 should be added to the tasks BSICCWG.

There was a discussion about the topics that would be included in BSICCWG. Is there enough technical expertise among the members for all the possible topics? There was a discussion about possible smaller project teams with specialized topics. Or possible making this group larger and add all the S-101 (or S-102) experts. Sweden had a proposal about harmonization recommendations project groups (discussed later at point D.9).

There was an agreement that working groups (BSICCWG and others) can help in exchange of experiences and share of knowledge when adopting S-100 products. Denmark said that not anybody knows much about the new issues because they are all in development phase. But we can learn things from each other and benefit from changing ideas. Poland sees a lot of open questions. Transition to new standard, how to update the old standard and new standard.

Chair's opinion was that the scheming plans, timeframe and the coordination of where and when these new products will be released is definitely part of BSICCWG work. But maybe not all the technical details. Chair feels that coordinating all the S-100 products is definitely too large task for BSICCWG and we might want to keep the focus on S-101 and S-102, but not the other products. S-101 will be in first priority.

There was a question whether there should be a separate S-100 coordinator in Baltic Sea. This will be in the discussions in BSHC28.

There were not yet proposed changes (from SCG Chair) to BSICCWG TORs

A.7.2 Feedback from Baltic Sea Strategic Correspondence Group (SCG)

Docs
Link to BSHC-SCG1_Final_Minutes.pdf

Baltic Sea Hydrographic Commission Strategic Correspondence Group meeting (VTC) was held in 15 March 2023. In accordance with the decisions taken at BSHC26 (BSHC27), Actions 18, 21 and 22, the SCG should suggest updates to the BSICCWG ToR.
It is was noted that the work of the International Charting Coordination Working Groups is based on IHO publication S-11 and its annexes. WENDWG will propose a new S-11 part A section, specific to S-100, to IRCC and HSSC/NCWG.

The SCG decided that: • The SCG chair shall draft suggested updates to the BSICCWG ToR, to include overarching regional S-100 coordination, specific regional coordination of S-101 and S-102, and to present an annual report to BSHC. • The draft shall be circulated with the BSICCWG and the BSHC chairs, before circulating them with the rest of the SCG for comments and, finally, endorsement.

The draft of the new BSICCWG TORs was not available yet.

Action 2: BSICCWG Chair will circulate new updated TORs for BSICCWG before BSHC28 (Aug/Sept 2023).

B. Paper charts

B.1 Status of Paper charts - Updating of S-11 Part B, Region E. Process/timeframe of updating in member states, status.

Chair presented the issue. Focus is more and more on the electronic charts but in some cases paper chart is still the only option for a vessel. Many vessels are still using paper charts and paper chart is still the only official product for smaller vessels in many countries. We still need to continue monitoring paper chart production.

Denmark said that giving up paper chart production would require regulation amendments. Before that they need to keep producing paper charts. But they do aim for cut the work spent on paper charts.

There was a discussion about electronic plotter data and differences on quality.

B.1.1 Denmark

Denmark moved from Caris to Esri few years ago. There were some problems with the data so some paper charts are still done using Caris paper chart composer. In Greenland they are using Esri for new production. The aim is that Charts are updated weekly so charts can be produced immediately.

Denmark wants to use as little resources as possible on traditional schemed charts and instead focus their resources on data. No new charts planned at the moment in Denmark region. Only the one (INT 1304) to take over from Germany in 2023. Six new charts from Greenland every year until the end of 2026.

B.1.2 Estonia

Estonia has been working on national charts. Latest new INT chart was already in previous BSICCWG report. This year new editions EE827 INT1795 (Paldiski LNG terminal) and EE305 INT1215. Huge task to update old general paper charts.

When the new approach ENC cells are ready there will be many new or updated 1:50000 paper charts. Four new INT chart editions and three totally new INT charts. Estonia already has new INT-numbers for those charts.

B.1.3 Finland

Amount of paper charts sold has decreased significantly, also due to lack of new editions. New paper chart editions are being released from north to south following the Baltic Sea chart datum change. Focus of resources is in BSCD2000 change and no new editions are planned from Gulf of Finland until BSCD2000 project reaches Gulf of Finland in a few years. This is problematic since most of the traffic is in Gulf of Finland and the charts are getting old.
Link to Product catalogue: https://www.traficom.fi/en/finnish-nautical-charts-portfolio

Finland was interested whether Sweden still has plans to release 1:150 000 chart from Sea of Åland. Sweden will continue producing it.

B.1.4 Germany

Docs
Presentation BSICCWG9_B.1.4_DE

Germany presented their paper chart scheme paper. They have rescaled everything in Baltic Sea to match the North Sea. This work should be finished by 2024.

https://www.bsh.de/DE/PUBLIKATIONEN/Naut_Produktkatalog/naut_produktkatalog_node.html

Germany explained their co-operation with UKHO to the other participants.

Germany is discontinuing production of INT120. Germany can send the existing data to Sweden so Sweden can analyse if it is easy to use it and will reconsider taking the responsibility to produce INT120 and Baltic Sea overview ENC.

Sweden will take responsibility of German INT1201 and can produce it in January 2024. German INT1304 will be handed over to Denmark and it will be produced this year (2023).

Action 3: DE to send data of INT120 to SE (June 2023).
Action 4: Sweden will consider taking responsibility to produce INT120 and Baltic Sea overview ENC (August 2023).
Action 5: DE to send data of INT1201 to Sweden (June 2023).
Action 6:DK to inform DE in advance when INT1304 will be published.

B.1.5 Latvia

Docs
Presentation BSICCWG9_B.1.5_LV

Main focus is on transition to BSCD2000 at the moment. 18 charts are now in new reference system. Latvian chart collection consists of 22 paper charts (19 INT charts). Since the work plan for the coming years is not yet known, new INT numbers are currently not required. If new approach charts are

included in the future plan, the priority will be given to six charts for small ports, for which new INT numbers will be necessary.

B.1.6 Lithuania

Not present.

B.1.7 Poland

Docs
Presentation BSICCWG9_B.1.7_PL

Poland has 19 INT charts. Nine are currently in BSCD2000. Next year they will finish the process with the remaining INT charts. Next year two new approach INT charts, INT 12191 and INT 12192. They are current national charts PL53 and PL54.

Poland informed that downloading search results for INT paper charts does not work for PDF files in INToGIS II-tool. Lack of all Polish diacritical letters in export file in PDF.

Action 7: Polish letters disappear when converting from INTtoGIS webtool to PDF. Chair to test converting to excel (and ask IHO).

B.1.8 Sweden

Docs
Presentation BSICCWG9_B.1.8_SE

Sweden has 117 INT chart and 16 small craft charts. After few years with less chart releases, they are now releasing more new chart editions. Production times have been analysed and they have done improvements to the processes to make them more effective. Sweden estimates it takes 40 hours of work to make a new edition.

Instead of traditional offset-printing Sweden is plotting all of their paper charts.

Sweden is planning to produce INT1201 (DE40) as a Swedish chart in January 2024.

Sweden has set a new criteria to produce a chart six months after an important update is made in the database. Swedish hydrographic office wants to have better communication with fairway projects so they can harmonize production of charts and small craft charts.

B.2 INToGIS II

IHO Web Catalogue in use; Possibilities, challenges. Features in use; new additional needs?

Link to IHO Web Chart Catalogue

Chair presented the issue. Latvia pointed out that the port information is still inaccurate. Coordinates are in wrong places and some ports are missing.

Sweden had experience that sometimes charts are locked. Sweden informed chair of these locked charts (numbers of locked charts).

Action 8: Chair to investigate how to correct the port information in INToGIS webtool.
Action 9: Chair to ask IHO about locked SE charts.

C. Baltic Sea S-57 ENC

C.4 Baltic Sea ENC-scheme - Status now- future plans of coverage.

Docs
Presentation BSICCWG9_C.4_SE
Presentation BSICCWG9_C.4_LV
Presentation BSICCWG9_B.1.4_DE

Germany has released new ENC cells in gridded coverage. Old ENC scheme was based on paper charts. The amount of ENC cells is increasing.

Germany is giving up the production of Baltic Sea overview cell by the end of 2023. Sweden can re-investigate the possibility of making this cell if they get all the data from Germany (See action in B.1.4).

Denmark has already decided to make their own overview cell from their own areas. If Denmark decides to release it before Germany stops the production end of the year, Germany can cut the Danish part out from their overview ENC cell.

Denmark planning to change their ENC coverage to regular grid in the future.

Estonia has no changes in the ENC coverage.

Finland has no major changes to the ENC coverage. Just few small new cells filling some gaps in the approach coverage.

Latvia's main focus is in transition to BSCD 2000. Currently 26 ENCs. No full coverage of approach layer yet but they are planning to extend the coverage in the future. No clear vision regarding the cell scheme yet. One option is regular grid. Timeframe will likely be parallel of S-101 implementation.

Poland has ENCs on all national Polish waters. ENCs updated weekly. 66 cells (1 general, 15 coastal, 15 approach, 54 harbour and one berthing. One harbour cell and one berthing cell released previous year. They are planning one approach cell this year and one berthing cell, possibly high definition. Poland has a grid, but not regular grid. They use one source to all products and use Caris HPD.

Sweden has no plans to expand ENC coverage at the moment. BSCD2000 has reached Oxelösund. There are discussions in Sweden going on about the order how to proceed from here. With current plan BSCD2000 would take few years to get to Gothenburg. But there are S-102 projects in Gothenburg area so it might be better to make BSCD2000 there before that. CATZOC has been implemented on all scales apart from general.

C.5 Gaps and overlaps

Docs:
BSICCWG9_C.5_BSHC overlap report 2023

Overlaps were discussed. List was reviewed. Denmark will check the issues they have. Overlap between Poland and Germany is only minor and does not cause any risks to navigation. Overlap issues will be resolved during the gridding process by the end of 2023 at the latest.

The few gaps in the Baltic Sea ENC coverage were reviewed. Nothing can be done to them at the moment.

Action 10: DK, DE and PL will check and resolve the minor overlaps mentioned in the IC-ENC overlap report.

DAY 2

D. S-100 coordination in the Baltic Sea area

D.1 General

Docs:
BSICCWG9_D.1_BSHC report to WENDWG
Link to WENDWG13 BSHC Region Report

Chair presented the report.

IGIF-matrix was discussed. It was viewed the matrix is a bit complicated and not very easy to understand. Sometimes it is not easy to fit the situation in the matrix. Jens Schröder-Fürstenberg (DE) explained that the aim was to combine two things together, investigating and implementing of S-100 products. More simple solution can be possibly investigated in future. RHC Status will be reported annually to WEND.

D.2 BSICCWG's role in S-100 coordination.

Discussion of future tasks (BSHC actions/ WEND actions). What is meaningful for the BSICCWG?

The topic was already discussed point A.7. Chair reminded we have new actions to coordinate S-101 work in Baltic Sea and also S-102. But there are still tasks for paper chart since they are still official products. Aim is to try to make paper chart with as little extra work as possible. S-57 will also still be part of BSICCWG work.

The BSICCWG TORs were once again discussed. All charting coordination working groups have common TORs deriving from S-11 Part A. Updating of BSICCWG TORs was discussed in Baltic Sea Strategic correspondence group (SCG).

Post meeting note from DE:
The S-11 update is in progress. The amended BSICC ToR should be provided by BSHC SCG.

The WENDWG considered that an amendment to include a Section 300 in S-11 Part A would be an appropriate place to present the S-100 Coordinator duties and suggests that the WENDWG liaise with the NCWG to consider amending S-11 as appropriate (Post WENDWG-13 meeting note: one option could be for the NCWG to be tasked to revise current Section 200 to include S-101 Scheming, and WENDWG to consider the development of a new Publication S-xx which could be named Guidance for the Preparation and Maintenance of S-100 Products Schemes in RHCs).

D.3 S-101 Scheming

D.3.1 S-101 Scheming guidelines

WENDWG12- S-101 scheming guidelines task group

Docs:

- *BSICCWG9_D.3_ WENDWG task group report*
- *Link to /WENDWG12_ENC_Scheming*
- *Link to Presentation WENDWG12_ENC Scheming*

WENDWG13; S-101 scheming documents/regular grid model

- *Docs:*
- *Link to WENDWG13_07.1Aa_ENC Rescheming_DE*
- *Link to Presentation_WENDWG13_DE*
- *Lnk to WENDWG13_07.1Ac_Experiences of_using regular grid_FI*

Chair presented the issue. ENC scheming has been discussed in WEND and WEND S-101 scheming sub-group.

From WENDWG13 minutes: "there will be no global common grid for S-101 ENCs and other S-100 products as such. Fruitful opposite experiences were shared at the meeting on this matter and it is now obvious that Member States will develop their own approach, their own grid, hoping that the end result will be seamless and harmonized for end-users".

WENDWG13 tasked the WENDWG Members/RHCs Reps to report, for each Charting Region, on their S-101 ENC planned Schemes (for every band scales equivalent to UB1 until UB4 (no need for UB5&UB6 equivalent), using INToGIS III, if available by 30 September.

Germany presented their new regular grid scheme.

Finland presented their current way of ENC scheming and their negative experiences with previously using regular grid. Main reason for Finland giving up regular grid was production efficiency reason. It takes less resources to manage less ENCs. Finland currently uses non regular grid.

Denmark sees regular grid as a good way to communicate with other organizations in the future of many different kind of S-100 products.

D.4 S-101 Scheming plans in member states *Grid model/regular grid model/other*

D.4.1 Denmark

Denmark has used regular grid in Greenland ENCs and is planning to use regular grid with S-101, also in Danish waters. No timetable yet. Grid-size not decided, naming not decided.

D.4.2 Estonia

Estonia has no plans to change current scheming method, unless good reason arises. Estonia is not using regular grid.

D.4.3 Finland

Finland will start S-101 with the same scheme they use with S-57 ENCs and then later on probably start doing adjustments to it. Larger size-limit with S-101 makes it possible to merge more cells. Finland currently uses grid, but not a regular grid, and will use it with S-101s also.

D.4.4 Germany

Germany will use regular grid with S-101. Germany believes automation will reduce the maintenance work in future.

D.4.5 Latvia

Latvia has not decided the scheme yet.

D.4.6 Lithuania

Not present.

D.4.7 Poland

Poland will stay in their existing ENC scheme with S-101. They use a grid that is not a regular grid. They will study the effects of moving to regular grid but so far have not found benefits in it.

D.4.8 Sweden

Sweden has no plans to change their somewhat regular grid at the moment. Sweden has a regular grid where cells can be split to four if the cells are too large.

D.5 S-100 coordination in the Baltic Sea / INToGIS III

D.5.1 INToGIS III- tool for S-100 product scheming plans

Docs: BSICCWG9_D.4_INToGIS III
Link to WENDWG13_INToGISIII_S128

D.5.2 WEND IGIF-matrix

Docs:
BSICCWG9_D.5_WEND100 Product IGIF Matrix

IGIF-Matrix was discussed in point D.1

D.6 S-101, production plans/time schedule

D.6.1 Denmark

Docs:
BSICCWG9_D.6.1_S100 updates_DK_presentation

Denmark is working on many S-100 products but mainly on S-101 at the moment. They are considering DGA taking S-100 coordinator role in Denmark. They have done test conversions to their data and try

to be as ready as possible with the data that they currently have. They have attended a lot of IHO meetings regarding the standards and having ongoing communication with Esri on implementation.

D.6.2 Estonia

Estonia does not have exact S-101 production plans yet. Plans depend on the tools and software available. Estonia has made test conversions from S-57 to S-101. They have not made changes to the data based on these test results. They believe they will be ready to start production in 2026. No exact plans for coverage.

No S-102 plans yet.

D.6.3 Finland

Docs:
BSICCWG9_D.6.3_S100 (S-102)_FI_Presentation

Finland will aim for S-101+ catalog/database (S-101 with extensions) from where S-101-, S-57- and paper chart products will be created from. There will be no conversions between S-101 and S-57 products. Waiting for Caris HPD version where full database conversion from S-57 to S-101 can be done. Hoping to do full production database conversion 2024 and start maintaining the data in S-101+ and release S-101, S-57 and paper chart-products from there.

D.6.4 Germany

Exact plans not yet clear. Germany hoped that all countries could start thinking the areas where S-101 products could be first produced in 2026.

D.6.5 Latvia

Latvia has attended Primar Task Force Project. They have tested conversions. Planning to use Caris HPD S-100 module for conversion and testing S-101 dataset production possibilities. Many challenges ahead before S-101 production so timetable may vary.

D.6.6 Lithuania

Not present.

D.6.7 Poland

Poland has set the priority to S-101. They have used Caris Composer and several converters. Several cells converted. Big task is with validation tools. They can make conversions but not sure about the results without validation tools. Poland has also focused on training this and last year. They have been in close contact with Caris team. Plan is to move database eventually to S-101. They will probably start with main ports from the west and move to the east.

D.6.8 Sweden

Sweden has taken part in the Primar Conversion Task force project. They have cleaned up their database. Goal is to start producing S-101 Q2 2025 and have a full coverage in 2026. The order of the project is not clear year. Possibly starting from the west coast. Many things depend on Caris and their tool development. At the moment it's not possible to convert full database. With S-102 they are currently working with the project framework. No schedule yet. They will probably first focus on the high traffic areas and ports. Testing is currently prevented by Gothenburg BSCD2000 implementation.

Chair noted that in many member states preparations are quite far. But no exact plans where to start production in certain usages. Chair hoped that maybe next year we can estimate from where we can have coverage in 2026 and then collect these plans together. Next step can be more concrete. Plans of the first areas with S-101 can be discussed internally in different member states and these plans can be combined to something that is good for the mariners.

D.7 S-102 production plans/time schedule

Many members have technical readiness for S-102 but no exact time schedules yet. Waiting for adoption of final S-102 standard (HSSC 2024). There are restrictions in releasing S-102 products from certain areas.

D.8 National status of S-100 coordination/S-100 products.

Docs:
BSICCWG9_D.8_ S-100 Products in Finland

Collaboration with other organizations that are responsible for S-100 products (e.g. S-104)

Discussion of national coordination of S-100 products. Example from Finland.

D.9 Need for harmonization recommendations of S-101 and S-102 in the Baltic Sea?

Docs:
- *BSICCWG9_D.9.1_BSHC S-57 ENC harmonisation recommendations*
  Link to Baltic-Sea-ENC-Harmonisation-recommendations
- *BSICCWG9_D.9.2_Harmonisation of S-101 and S-102 products in the Baltic Sea*
- *BSICCWG9_D.9.2_Harmonisation of S-101 and S-102 products in the Baltic Sea_Presentation*

Sweden presented the issue. 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. These recommendations included harmonization for example of SCAMIN-values, compilation scales and contour intervals. Present day we have more knowledge. Sweden sees that BSEHWG report can be a starting point and new areas of harmonization can be added to the recommendation list. Previous recommendations can also be adjusted to fit the S-101 environment. With new standard S-102 there can also be things to harmonize and have conversations between HOs before everyone is going into separate ways in production.

Sweden proposed project teams for S-101 and S-102 with virtual meetings and possible physical meeting. Project teams would report their recommendations for endorsement by BSICCWG10 in May 2024 and approval by BSHC29 in September 2024.

Jens Schröder-Fürstenberg (DE) view was that BSICCWG could handle all these topics by itself possibly consulting other experts and that separate project teams are not necessary. Separate project teams would also require TORs.

Majority of the members supported the idea of at least S-101 harmonization project team but since there was no consensus, this topic will be sent to BSHC to decide whether to form a project teams.

There was a discussion that maybe S-102 has less things to harmonize. Chair suggested that S-102 experts discuss about the need of a harmonization project team and if they find there is nothing to harmonize then stop the work.

Action 11: BSICCWG chair to send Swedish proposal and BSICCWG discussions about S-101 and S-102 project teams to BSHC28.

E. Any other business

Docs:
BSICCWG9_E.1 & E.4_DK_presentation

E.1 ENC Encoding of Extraction Areas

Denmark was interested to hear from other HO's as to how they approach the encoding of extraction areas. Denmark got some responses.

E.2 CATZOC in small scale paper charts

Estonia got some responses to their questions regarding CATZOC.

E.3 Geographical names in sea areas

Will be discussed in the next meeting.

E.4 Parallels of INT charts

Denmark was interested whether anyone had information about the history of INT 1336 parallel.

Action 12: Sweden and Germany investigate if they if they have information on the history of the parallel on Danish chart INT1336, DK189.

Post meeting note:
The parallel of 54° 30´N was proposed for a series of charts and so it stayed for years. Today the parallel has lost the importance and perhaps it will be no problem to change it for the next edition to national parallel 56°.

F. Place and date of the next meeting

Sweden 22.-23.5.2024.

G. Review of BSICCWG9 List of actions

See the list of actions.

H. Closing the Meeting

Chair closed the meeting 16:21