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## Baltic Sea International Charting Coordination Working Group (BSICCCWG)

# BSICCCWG Report to the BSHC 20<sup>th</sup> Conference

The BSICCCWG Terms of Reference and Rules of Procedure were agreed at the BSHC 15<sup>th</sup> Conference 2010. The paragraphs 2.6 and 3.10 of these, request the BSICCCWG to report annually to the BSHC at least the following issues:

- An updated Regional INT Chart Catalogue;
- An update of the ENC Catalogue relevant to the Region (if not undertaken by RENCs);
- Changes made to the scheme of INT Charts for the Region
- Changes made to the small / medium scale ENC scheme for the Region
- An updated Work Plan (if used).
- Status of BSEHWG Harmonisation recommendations

### 1. Status of the work of BSICCCWG

*Mr Jarmo Mäkinen* has acted as the Chair of the BSICCCWG. *Mr Juha Korhonen* as a secretary of BSICCCWG, was retired in March 2015. There has been also some other changes on the BSICCCWG membership since last BSHC meeting;

- Latvian representative *Mr Mikus Ranka* has been replaced by *Ms Linda Purina*.
- *Ms Ekaterina Kozar* (Russia) has left the WG.

The membership of the WG:

<i>Denmark</i>	<i>Ms Berit Holse</i>
<i>Denmark</i>	<i>Mr Peter Ladegaard Sørensen</i>
<i>Estonia</i>	<i>Ms Nele Savi</i>
<i>Finland</i>	<i>Mr Jarmo Mäkinen</i>
<i>Germany</i>	<i>Ms Sylvia Spohn</i>
<i>Latvia</i>	<i>Ms Linda Purina</i>
<i>Lithuania</i>	<i>Ms Viktoras Liylus</i>
<i>Lithuania</i>	<i>Ms Alla Bira</i>
<i>Poland</i>	<i>Mr Jacek Kijakowski</i>
<i>Russia</i>	<i>Capt Sergey Egorov</i>
<i>Sweden</i>	<i>Ms Anita Bodin</i>

The BSICCCWG3 meeting was planned to take place in Copenhagen during Spring 2015. Due to the inconvenient time to hold a meeting in Denmark, the meeting was moved to autumn. The next meeting was agreed to be held in 20-21 October 2015, kindly hosted by Denmark in Copenhagen.

Three BSICCCWG Circular Letter 2015 have been sent;

- BSICCCWG Letter 1/2015 (April 2015)
- BSICCCWG Letter 2/2015 (June 2015)
- BSICCCWG Letter 3/2015 (July 2015)

### 2. Updating Baltic Sea INT Chart Catalogue S-11 Part B Region E, INTToGIS; S-11 Part B GIS experimentation

IHB, kindly supported by KHOA (Korean Hydrographic and Oceanographic Administration), has launched an experimentation to move from the current S-11 Part B "paper-like" database, to a GIS environment. This project is named "INTToGIS".



Baltic Sea (Region E) has been selected for one of the testing areas. Other RHC's are: Canada (for USCHC), UK (for HCA) and FR (for MBSHC). There have been a huge amount of development work and due to that, there have been some delays in testing. Final experimentation is planned to start in Autumn (see table below).



KHOA is currently developing the interface tools for every category of user (HO, Chart Coordinator, IHB). Once the tools are made available, IHO will provide us to play on a "Beta-version" of the database for the experimentation, without damaging the "operational" database. This experimentation time has planned to be in September and October, so BSICCWG will have a good opportunity for testing in the next BSICCWG meeting in October.

IHO has updated existing S-11, part B in Region E in May 2015. This updating includes updates up to June 2014. (This was an old update, which was sent to IHO in summer 2014, but updating was delayed, due to the personnel changes in IHB bureau). The next update will hopefully be made directly to the database. The rules of procedures/hierarchy will be: HO > Chart Coordinator (the formal approval of the BSHC) > IHB.

### 3. Questionnaire of paper charts

BSHC19 tasked BSICCWG to study future production and dissemination of paper charts (BSHC19, action 2). Summary of replies of questionnaire are in [Annex 1](#).

In a brief summary, it seems that;

#### Chart portfolio

- the total number of paper charts in chart portfolio will remain the same (EE, FI, PL, SE) or even increase (DE, LV) in member states.
- The same applies for leisure craft charts, except DE will not produce charts specially for leisure craft anymore in the future.

#### Sales figures:

- A total number of sales of paper charts has decreased (EE, DE, SE), has been stable (FI, PL) or even increased (LV). Sales of paper charts were estimated to decrease over the next five years by all MS.
- The average price of the paper chart is EUR 18-35.

#### Other notes

- Detailed information of percentage of *paperless navigation* the extent was poorly available.
- *POD* (Print On Demand) service was in use in SE and LV, others plan to have it soon.
- The effects of EU's *open data policy*, seems to be slightly difficult to assess.
- Some countries believe that it will have an impact.

### 4. ENC harmonisation

Result of WENDWG gaps and overlaps analysis has been sent to BSICC members. Results will be handled more detailed in BSICCWG3.



## 5. Future work of BSICCWG

The future work of BSICCWG will include among other:

- S-11 database experimentation
- updating of S-11, Part B
- revision of Baltic INT Chart Scheme
- analysis of gaps and overlaps in Baltic
- review of ENC harmonization recommendations
- further definition of maritime boundaries in Baltic

Preliminary meeting agenda of the BSICCWG3 –meeting (20-21th October 2015, Copenhagen) is in [Annex 2](#).

### New tasks (IHO CL 64/2015)

The seventh meeting of the Inter-Regional Coordination Committee (IRCC-7) decided to implement a two-year trial procedure (Decision IRCC-7.3) for the review of new INT charts and management and monitoring of the IHO INT Chart Collection. The procedure is to be implemented by the relevant Regional INT Chart Coordinators (or INT Charting Coordination Working Group - ICCWG).

The IRCC invited (Action IRCC7/27):

- a. *New INT Chart Producer Nations to provide the first edition of any INT chart to the relevant Regional INT Chart Coordinator (or ICCWG) for review as soon as convenient during the production cycle;*
- b. *INT Chart Coordinators/ICCWGs to manage the review of any first edition INT chart produced by a new INT Chart Producer Nation to verify its compliance with the IHO standards, and to provide feedback to the Producer Nation and to report results to the next RHC meeting;*
- c. *All INT Chart Producer Nations to provide first editions and new editions of INT charts to the relevant Regional INT Chart Coordinator (or ICCWG) three months prior to every RHC meeting to enable the Regional INT Chart Coordinator (or ICCWG) to validate the current INT chart scheme;*
- d. *All editions of INT charts submitted under actions a) and b) to be subsequently forwarded to the IHB to be included in the IHB INT Chart Reference Collection, for internal use; and*
- e. *All Member States to provide an update to the IHO published list of on-line chart catalogues, either directly or systematically when updating the Yearbook.*

The IRCC invites the Chairs of the Regional Hydrographic Commissions (RHCs) to ensure that the above actions are implemented, as soon as possible, and not later than 31 October 2015.

## 6. Other issues

The new revision of S-11 Part A (Guidance for the Preparation and Maintenance of INT Chart schemes) is in progress in Nautical Cartography Working Group, NCWG), IHO CL51/2015.

## 7. Actions for the BSHC 20<sup>th</sup> Conference

- note this report
- give further guidance to WG, as seen appropriate

### Annexes:

1. Summary of replies of Paper Chart Questionnaire.
2. Preliminary agenda of BSICCWG3 –meeting.

Baltic Sea Hydrographic Commission  
INT Chart Coordinating Working Group (BSICCWG)



Summary of replies to the BSICCWG Questionnaire on Paper Charts (BSHC19 Action 2)

**A. Additional 15 m depth contour on paper charts and ENCs**

The BSHC18 Action #8 requests BSICCWG Chair to evaluate the use of 15 m additional depth contour to ENCs and paper charts and to propose possible future actions and to report to BSHC19.

Q#	Question	Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden
<b>Paper Chart Portfolio in future</b>										
A.1	A total number of paper charts in your chart portfolio in next 5 years will: a) increase b) remain the same		Remain the same  <i>Production of national chart No. 850 has stopped.</i>  <i>New national</i>	Remain the same	Increase  According to new scheming concept	Increase		Remain the same		Remain the same

Q#	Question	Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden
	c) decrease		<i>chart of northern part of lake Võrtsjärv estimated publishing time is 2016.</i>							
A.1a	Number of charts for commercial fleet (SOLAS reg) will:		Remain the same	Remain the same	Increase See above	Remain the same		Remain the same		Remain the same
A.1b	Number of INT charts (SOLAS reg) will:		Increase <i>National chart No. 513 needs INT number</i>	Increase <i>New INT numbers for new harbour charts</i>	Remain the same (or increase) See above	Remain the same/ Increase		Increase  We have applied for two INT chart to be used in current Polish approach charts in 2014		Remain the same
A.1c	Number of paper charts for leisure craft will:		Remain the same  Atlas	Remain the same	Decrease  No more special charts for leisure craft	Remain the same		Remain the same		Remain the same
A.2	Do you produce paper charts for Leisure craft?		<b>Yes</b>  Atlas	Yes	Yes. But not only for leisure craft. These charts of A2 format can be used at smaller SOLAS vessels, too.	Yes		Yes		Yes
A.2a	If Yes, would you produce paper charts for leisure craft also in future?		Yes Atlas	-	No See answer to A.1c	Yes		<b>Yes</b>		Yes
A.2b	If No, who is producing paper		-		several private companies	-		-		-

Q#	Question	Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden
	charts for leisure craft from your national waters?				produce leisure craft charts					
A.2c	Are these charts for leisure craft official charts?		Yes	Yes	No. The charts published by private companies are not official charts	Yes		Yes		Yes
<b>Sales figures of paper charts</b>										
B.1	A total number of sales of paper charts in last 5 years has:		Decreased	Been stable	Decreased	Increased		Been stable. Paper charts sales depend on the number of new editions of the most popular charts sold in a particular year		Decreased
B.1a	Number of sales of charts for commercial fleet/INT charts (SOLAS) in last 5 years has:		Been stable	Been stable	Decreased	Increased		Been stable		Decreased
B.1b	Total number of sales of paper charts for commercial fleet (SOLAS) including national, adopted and re-compiled charts (also by another HO) in the last 5 years has:		Decreased	Been stable Sales volume for adopted charts (Fi chart, which is adopted by another country) has increased	Decreased	-		Been stable		Decreased

Q#	Question	Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden
B.1c	Number of sales of paper charts for leisure craft in last 5 years has:		Been stable	Been stable	Decreased	Been stable		Been stable		Decreased
B.1d	What is your estimation of sales forecast for paper charts in future (next 5 years timeframe)?		Will decrease	Will decrease a bit	Will decrease	Will decrease		Will be stable		Decreased
B2	To what extent do the users have switched to paperless navigation in your national waters?		We do not have this information	Most of SOLAS ships has still paper chart as ENC backup	not possible to answer as a qualified market analysis is not available in our office	No data collected and processed		Most of the users have been switched to paperless navigation in the Polish national waters, but smaller vessels are still using the unauthorized ENCs.  Sales of ENCs is growing		No statistics available
B3	What is approximate price for coastal/approach paper chart for the end-user?		25-35 €	20 €	30 €	25 €		18 €		20 €
<b>Production/printing and delivery of paper charts</b>										
C.1	Do you produce paper charts directly from ENCs		Yes	No	No	No		No		No

Q#	Question	Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden
C.2	Do you use traditional printing (printing house) to print the charts?		Yes	Yes	Yes	No		Yes		Yes/no  Small Craft Charts – Yes  Paper Charts – No, we printed our last Charts a month ago.
C.3	Do you have print on demand service (POD) in use?		No	No POD service is planned to be started 2018	No POD is planned for 2016	Yes		No Final preparations in progress		Yes
C.3a	If yes, is that POD service up to date service:		-		is planned to be	Yes		- POD service will be the up to date service		Suppose to have in future
C.3b	If yes, how is that POD service organized (by HO, by certified agents etc)?		-		by HO (planned)	By HO		POD service will be organized by HO		-
C.4	How do you estimate the Open Data (and EU open data policy) will affect to production and sales of your nautical charts.		Hard to Estimate  All data is free, but the policy should not affect creating designed products for navigation	No effect to production or sales (open data is not for navigation use)	No affects  Not as long as open data quality is not possible to control and does not meet SOLAS requirements	Further research required		It may reduce the production and sales of our nautical charts		Not at all. SMA has no governmental funding.

Q#	Question	Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden
C.5	Do you have any plans to reduce, outsource or to make other arrangements for the future production of printed nautical charts?		Not currently	No plans yet, but studies will be carried out on this issue.	No	No reduction planned in nearest future		No		No
C.6	Any other relevant comments?				No			No		-

**Table 1****BSHC19/Action 2; Questionnaire for paper charts in Baltic Sea (Table 1)**

The table below includes existing portfolio of paper charts of the Baltic Sea States (please kindly update the table, if needed).

<b>COUNTRY</b>	<b>Total number of paper charts</b>	<b>Number of INT charts</b>	<b>Paper charts for Leisure craft</b>	<b>Number of ENC Cells</b>
<b>Denmark</b>	<b>162</b>	<b>29</b>	<b>-</b>	<b>103</b>
<b>Estonia</b>	<b>64</b>	<b>29</b>	<b>4 Atlas</b>	<b>119</b>
<b>Finland</b>	<b>83</b>	<b>53</b>	<b>18 Atlas</b>	<b>175</b>
<b>Germany</b>	<b>66</b>	<b>46*</b>	<b>14 Atlas</b>	<b>155</b>
<b>Latvia</b>	<b>22</b>	<b>12</b>	<b>1 Atlas</b>	<b>21</b>
<b>Lithuania</b>	<b>7</b>	<b>-</b>	<b>-</b>	
<b>Poland</b>	<b>58</b>	<b>15</b>	<b>3 Atlas</b>	<b>59</b>
<b>Russia</b>	<b>6350</b>	<b>?</b>	<b>?</b>	<b>?</b>
<b>Sweden</b>	<b>117</b>	<b>103</b>	<b>16 Atlas</b>	<b>572</b>

\* 42 producer, 4 Printer



# Draft Agenda

for the

## BSICCWG3 Meeting on 20 - 21 October 2015

on Danish Geodata Agency  
Copenhagen, Denmark

[Draft by 31 August 2015]

The BSICCWG3 meeting will commence on Tuesday 20<sup>th</sup> of October at 9:30 and to be finished by Wednesday 21<sup>st</sup> of October at the latest at 15:00.

### Draft Agenda

1. Welcome and formalities *[Chair]*
  - Welcome and Practical Arrangements
  - Adoption of the Agenda *[Draft Agenda]*
  - Introduction of the participants *[List of participants]*
2. Status of BSICCWG and its work *[Chair]*
  - Minutes of BSICCWG2 *[Minutes of BSICCWG2]*
  - Review BSICCWG TORs
  - Review of BSICCWG Membership
  -
3. IRCC 7, BSHC20 *[Chair]*
  - Outcome of BSHC 20<sup>th</sup> Conference *[BSHC20 summary concerning BSICCWG]*
  - Outcome of the IRCC7
    - o IHO CL 64/2015 Revised management, review and monitoring of new INT charts *[IHO CL64/2015]*
4. INTToGIS; S-11 Part B experimentation *[All]*
  - Results of project
  - updates of Region E (review status of updates/new updates)
  - the update process
  - testing of updating tools
5. Baltic Sea INT-Scheme *[All]*
  - Revision of Baltic Sea INT chart scheme
  - Results of the meeting in Rostock 30.8-1.9.2014 *[Germany]*
  - new INT-numbers
6. Chart Co-operation in Baltic *[All]*



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- Chart co-operations/ co-productions for the Baltic Sea – status
7. Baltic Sea sub-areas [All]
    - Defining the limits of areas [Doc ]
  8. Baltic Sea ENC harmonisation [All]
    - Review of gaps and overlaps In Baltic Sea
    - Review of the harmonisation recommendations
    - Overview ENC (experiences from the North Sea)
  9. Future work of BSICCWG [All]
  10. Any Other Business
  11. Review of actions and unresolved issues of this meeting [Chair]
  12. Next meeting [Chair]
  13. Closing of the meeting [Chair]
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