

Baltic Sea International Charting Coordination Working Group (BSICCWG)

BSICCWG Report to the BSHC 17th Conference

[16 August 2012]

The BSICCWG TORs and ROPs were agreed at the BSHC 15th Conference 2010. The paragraphs 2.6 and 3.10 of these request the BSICCWG 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, approved by the BSICCWG since the last report, together with a summary of reasons;
- Changes made to the small / medium scale ENC scheme for the Region, approved by the BSICCWG since the last report, together with a summary of reasons;
- An updated Work Plan (if used).
- Status of BSEHWG Harmonisation recommendations.

1. Status of Work of BSICCWG

Mr Jarmo Mäkinen has been acted as the Chair of the BSICCWG. *Mr Juha Korhonen* has acted as the secretary of BSICCWG. There has been no changes to the BSICCWG membership. The members are: *Ms. Berit Holse*, *Mr. Peter Ladegaard Sørensen* (Denmark), *Ms. Senta Selli* (Estonia), *Mr. Jarmo Mäkinen*, *Mr. Juha Korhonen* (Finland), *Ms. Sylvia Spohn* (Germany), *Mr. Mikus Ranka* (Latvia), *Mr. Viktoras Liylus*, *Ms. Ausra Milinskaite* (Lithuania), *Mr. Jacek Kijakowski* (Poland), *Mr. Victor Kovalenok* (Russia), *Mr. Magnus Wallhagen* (Sweden).

There is no explicit BSICCWG Work Programme.

The communication within the BSICCWG has been performed by BSICCWG Letters and e-mails. The Chair has communicated with the IHB.

At the BSICCWG meeting in June 2011 the IHB presented some development actions and plans to make the S-11 as a database based solution. The meeting endorsed the plans and gave some new proposals to the database structure and the interface be included in further developments. Baltic Sea may be used as one test area for the new system. The IHB has demonstrated similar development plans for Antarctic Commission. This issue is linked to wider scope of IHO Metadata service and it was discussed also at the IHO XVIII Conference. The developments are in IHO and IRCC Work Programmes. The IRCC4 meeting in June 2012 has also discussed on the development of C-55. However, there have not been direct actions for S-11 Part B Region E (Baltic Sea). BSICCWG reiterates it's strong support to develop S-11 as a database based solution.

2. Harmonising the limits and names of the subareas of the Baltic Sea

In June 2011 the BSICCWG initiated a work to draft a revised version of the draft Edition 4 of the IHO Publication S-23 Part 2 (Baltic Sea) with the aim to have this approved by end of 2011. The BSHC 16th Conference endorsed the plans. At that time it was believed that the IHO could approve a new version of S-23 at its XVIII Conference. Since the BSHC 16th Conference the BSICCWG Chair has made several drafts and proposals to harmonise the names and limits. However, the XVIII Conference did not agreed on any decision or further actions on this issue.

After the XVIII Conference the BSICCWG Chair made a proposal to prepare only Baltic Sea harmonised names and limits without references to IHO S-23. The latest proposal was sent within the Letter to BSHC members in June 2012. This letter included a short analysis of the comments received so far and the BSICCWG Chair's proposed solution to those issues where there were different opinions within BSHC members.

The feedback to the latest proposal shows that there are still different and somewhat contradiction opinions on many basic principles. Also some quite new proposals were raised. Thus the BSICCWG Chair believes that it is not feasible to make a unanimous proposal to BSHC 17th Conference. Common understanding of the basic principles should be reached before the details can be fixed. It seems to be difficult to process this kind of issues via e-mail communication. Perhaps a meeting or a workshop on this issue should be arranged.

The BSICCWG Chair proposes that the BSHC 17th Conference discuss and hopefully find common understanding at least on the following basic principles:

- Clarification the scope of the use of the recommendation document
 - only as guidelines for the production of INT charts
 - also as guidelines for navigational services (e.g. Navigational warnings)
 - also as guidelines for other services supporting safety of navigation (e.g. weather services)
 - also as guidelines of other purposes (production of maps and atlases, statistics, ...)
- Clarification on the division into subareas
 - to have only one main level with a limited amount of subareas
 - sub-subareas for those subareas where needed
- Clarification of naming the subareas
 - to use well established names even if these are not logical (e.g. *Baltic Sea – Gulf of Bothnia – Bothnian Sea*)
- Clarification of the use of names of subareas on the titles of INT charts
 - to use only main or subarea names on the titles of INT charts
 - not to use names of sub-subareas on the titles of INT charts
- Clarification of the principles of defining the limits between subareas
 - limits based only on hydrographic or oceanographic features
 - limits based on current practices (in navigational warnings, weather reports)
 - limits based on other principles

- How to publish the recommendation document (when agreed on)
 - on the IHO BSHC web page
 - links on web pages of national HOs
 - others ways

If there is a reasonable common understanding on these basic principles, the BSHC 17th Conference may give guidance for further preparation of the details, and may advice the BSICCWG to arrange a workshop for experts on this issue.

3. Updates to Baltic Sea INT Chart Catalogue

In October 2011 a list of combined updates has been forwarded to the IHB and these are included in the revised Edition e2.005 of S-11 Part B Region E (November 2011).

By 15 August 2012 some BSICCWG Members have forwarded their new quite minor updates (mainly status of printing schedules). Some of these need some clarifications and further processing and these have not yet been forwarded to the IHB.

The confusions within the some INT numbers within Region E (INT 1310 – 1314) and the production nations of INT 1216, 1217 have been cleared.

The BSICCWG has now 28 available INT numbers. The BSICCWG Chair has asked information on needs for new INT numbers from BSICCWG Members. Only Finland has informed to have a need for seven new INT numbers.

ENC catalogues are maintained by RENCs (IC-ENC and Primar).

4. Status of BSEHWG Harmonisation recommendations.

The updated status of the BSHC ENC harmonisation recommendations is in the [Annex 1](#). Completed recommendations are highlighted in green tint, and in 2012 reported new completed ones in dark green tint. Some progress can be noticed.

However, the WEND-WG has identified some overlappings on the Baltic Sea ENC cells. The list of these overlappings has been distributed to the BSHC members. Many of these overlappings are already clarified or planned to be removed in future editions. The BSHC members were also asked to verify that their ENC harmonisation procedures are duly implemented to avoid this kind of inconsistencies in the future. ENC issues will be reported in more details by Finland on the report of WEND-WG issues.

5. Actions for the BSHC 17th Conference:

The BSHC 17th Conference is requested to

1. note this Report
2. give guidance for further processing of the harmonising the limits and names of the subareas of the Baltic Sea

Annexes:

1. Status of BSHC ENC harmonisation recommendations
-

Annex 1 to the BSI CCWG report to BSHC 17th Conference on 19-20 September 2012

Status of the Implementation of the Baltic Sea 2008 ENC Harmonisation Recommendations

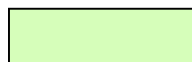
[Recommendations Approved by the BSHC 13th Conference, August 2008]

[by 16 August 2012]

Reported by:

Country	Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden
Reporting date	2012-07-10	2011-08-22	2012-08-15	2012-08-08	2012-08-15	2012-08-02	2012-08-07		2012-08-10
General comments			No changes to previous one		No changes to previous one				No changes to previous one

Notes: Those recommendations which are reported to be "*Done*", "*Completed*", "*Adopted*", or similar expressions, or which are continuous in nature and reported as "*Ongoing*" or "*Ongoing process*" are highlighted in green tint in Status column.



Those recommendations which were reported earlier with new "*Done*", "*Completed*" or similar status are highlighted in light green tint.



Those recommendations which were reported in 2012 with new "*Done*", "*Completed*" or similar status are highlighted in dark green tint

Rec. #	Issue	Recommendation	Responsibility	Implementation Schedule			Status/Remarks/Comments
				Country	Start date	End date	
1	Navigational purpose <i>Overview</i>	1a) <i>Overview</i> navigational purpose should be in harmony with other navigational purposes within the producers' portfolios.	All	Denmark	2008	2008	DEN: Completed
		Germany		2008	2008	EST: No Comments FIN: No Comments GER: Completed LAT: No comments LIT: No comments. POL: Done RUS: SWE: No Comments	
		1b) The <i>Overview</i> cell should be harmonised with adjacent cells in the North Sea.	Germany	2008		GER:	
2	Navigational purpose <i>Harbour and Berthing</i>	The <i>Harbour and Berthing</i> navigational purposes should be in harmony with other navigational purposes within the producers' portfolios.	All	Denmark	2008	2012	DEN: We are ongoing adding harbour inserts to our cells. We are not able to produce berthing cells yet because of lack of high quality data. EST: Done FIN: Done GER: Completed LAT: Done LIT: Harmonized POL: Done RUS: SWE: Completed/ Ongoing process
				Estonia	2008	2008	
				Finland	2008	2015	
				Germany	2008	2011	
				Latvia	2008	2009	
				Lithuania	2009	2010	
				Poland	2008	2011	
				Russia			
				Sweden	2008	2008	
3	Use of Compilation Scale	On the Baltic Sea, the following values for the compilation scales should be used:	All	Denmark	2008	2010	DEN: Done
				Estonia	2008	2010	EST: Done:
				Finland	2008	2015	General 180.000,

Rec. #	Issue	Recommendation	Responsibility	Implementation Schedule			Status/Remarks/Comments						
				Country	Start date	End date							
		<table border="1"> <tr> <td>180,000</td> <td>(General)</td> </tr> <tr> <td>90,000</td> <td>(Coastal)</td> </tr> <tr> <td>22,000</td> <td>(Approach)</td> </tr> </table>	180,000	(General)	90,000	(Coastal)	22,000	(Approach)		Germany	2008	2015	Coastal 90.000, Approach 45.000. FIN: General, coastal- Done Approach: Sea areas – not started (using 25000), lake areas – Done GER: As planned LAT: Done LIT: Coastal ENC – (90,000 and 180,000) Approach ENC – Yes (22,000 and 45,000) POL: Done RUS: SWE: Completed
180,000	(General)												
90,000	(Coastal)												
22,000	(Approach)												
				Latvia	2008	2009							
				Lithuania	2009	2012							
				Poland	2008	2011							
				Russia									
				Sweden	2009	2009							
	Exceptions in the use of Compilation Scale	If a Hydrographic Office (HO) wants to use a compilation scale other than those recommended above, it may do so if all the following conditions are met: i) the value used is in line with the intention of the IHO CL 47/2004 ii) use of it is agreed bilaterally with neighbouring HO(s) concerned, in order to avoid inconsistencies at the border,	All	When adopted			DEN: Done EST: Approach 45.000, Done. FIN: No Comments GER: completed LAT: Adopted LIT: Adopted						

Rec. #	Issue	Recommendation	Responsibility	Implementation Schedule			Status/Remarks/Comments
				Country	Start date	End date	
		and iii) every effort is made to minimise possible inconsistencies due to deviations from the recommended compilation scale.					POL: Done RUS: SWE: No comments.
5	Use of SCAMIN	BSHC should adopt the guidelines as stated in the Annex J .	All	Denmark	2008	2009	DEN: Done
				Estonia	2008	2015	EST: Ongoing.
				Finland	2008	2015	FIN:
				Germany	2008	2015	General & Approach at sea – not started,
				Latvia	2008	2010	Coastal at sea, all on lakes - done
				Lithuania	2009	2010	
				Poland	2008	2011	
				Russia			GER: as planned
				Sweden	2009	2009	LAT: Adopted
							LIT: Completed
			POL: Done				
			RUS:				
			SWE: Completed				
6	Contour intervals	6a) The BSEHWG proposes that the BSHC establishes a Working Group to study possibilities for Harmonisation of the Conveying and Presentation of Depth Information for both ENC's and paper charts.	BSHC	When adopted			Done. BSHDIWG established.
				When adopted			DEN: - EST: - FIN: Ongoing GER: Done LAT: Adopted
		6b) Meanwhile, if the IHO recommended contour intervals are not applicable, or if additional intervals are needed, implementation should be agreed	All	When adopted			DEN: - EST: - FIN: Ongoing GER: Done LAT: Adopted
				When adopted			DEN: - EST: - FIN: Ongoing GER: Done LAT: Adopted
				When adopted			DEN: - EST: - FIN: Ongoing GER: Done LAT: Adopted

Rec. #	Issue	Recommendation	Responsibility	Implementation Schedule			Status/Remarks/Comments
				Country	Start date	End date	
		bilaterally/multilaterally so that possible inconsistencies to the mariners could be avoided.					LIT: Completed POL: Done. Only IHO recommended contour intervals are using. RUS: SWE: Ongoing
7	Harmonisation of features continuing/extending over national borders	All BSHC countries should ensure that bilateral agreements are in place with their neighbouring countries concerning harmonisation of features continuing/extending over national borders.	All				When adopted DEN: Ongoing EST: Ongoing FIN: Ongoing GER: Done LAT: Adopted LIT: Completed with Latvia, in future with Russia and Sweden. POL: Ongoing RUS: SWE: Ongoing
8	Checking harmonisation before launching new ENC's	All BSHC countries should check and carry out harmonisation before launching updates or new editions of ENC's.	All				When adopted DEN: Ongoing EST: Ongoing FIN: Ongoing GER: Done LAT: Adopted LIT: Ongoing POL: Ongoing RUS: SWE: Ongoing
9	Buffer zones along the national borders	All BSHC countries should check that there are no gaps between cells at national borders by establishing a buffer zone of up to 5 metres, if necessary.	All	Denmark Estonia Finland Germany Latvia	2008 2008 2008 2008 2008	2008 2008 2008 2008 2008	DEN: Done EST: Done FIN: Ongoing GER: Done LAT: Done

Rec. #	Issue	Recommendation	Responsibility	Implementation Schedule			Status/Remarks/Comments
				Country	Start date	End date	
				Lithuania Poland Russia Sweden	2010 2008 2008	2012 2008 2008	LIT: Done with Latvia but not with Sweden and with Russia POL: Done but not with Russia RUS: SWE: Completed/Ongoing
10	Adoption of new versions of ENC related standards	The BSHC should agree on joint plans and time schedules for the adoption of new versions of ENC related standards (e.g. S-57 Ed. 3.1.1 or S-101).	BSHC	When adopted			
11	Adoption of new object classes	The BSHC should agree on joint plans and a time schedule for the adoption of new object classes on their products.	BSHC	When adopted			
12	The use of objects to ensure consistency	12a) BSHC should encourage all countries to make further studies of the use of objects in the Baltic Sea ENCs and report to the following BSHC meeting. 12b) BSHC should decide on proper actions to ensure ENC consistency as far as possible.	BSHC	All:	2008	2010	DEN: Ongoing EST: No Comments FIN: No Comments GER: Ongoing LAT: Adopted LIT: Common OBJ are used. POL: No comments RUS: SWE: No comments
13	Special circumstances	If found necessary it is possible to deviate from the recommendations. When doing so, the relevant HO should make	All	Ongoing			DEN: - EST: Ongoing FIN: No Comments

Rec. #	Issue	Recommendation	Responsibility	Implementation Schedule			Status/Remarks/Comments
				Country	Start date	End date	
		every effort to minimise the effect of any inconsistencies that may occur. This should be done through bilateral/multilateral agreements and through harmonisation of data in order to ensure that no serious disharmony is introduced to the ENC's.					GER: Done LAT: Adopted LIT: No special circumstances. POL: Done RUS: SWE: No comments
14	Promotion of regional approaches	BSHC should ask the IHO Committee on Hydrographic Requirements for Information Systems (CHRIS) to consider appropriate actions to recommend other Regional Hydrographic Commissions (RHCs) to adopt regional implementations to IHO consistency recommendations within their sea areas.	BSHC			When adopted	Done. See CHRIS/20 Minutes and IHO CL 89/2008.
15	Training and education	All relevant bodies are encouraged to continue the education of mariners regarding 'ECDIS', 'ECS', 'ENC' and 'Electronic chart'.	All			Ongoing	DEN: Ongoing EST: Ongoing FIN: Ongoing GER: Ongoing LAT: Ongoing LIT: Training and education left to training facilities. POL: Ongoing RUS: SWE: Ongoing
16	Follow-up of implementa-	All BSHC countries should follow the time schedule for the	All			Ongoing	DEN: Ongoing EST: Ongoing

Rec. #	Issue	Recommendation	Responsibility	Implementation Schedule			Status/Remarks/Comments
				Country	Start date	End date	
	tion	implementation of all relevant recommendations as stated in Annex L .					FIN: Ongoing GER: Ongoing LAT: Ongoing LIT: Ongoing POL: Ongoing RUS: SWE: Ongoing
17	Reporting of the implementation of the recommendations	BSHC members should report annually to BSHC Conferences on the implementation of these recommendations.	BSHC		2009		Ongoing yearly by the BSICCWG Chair.