



Dossier du BHI N° S3/8151/CHRIS

LETTRE CIRCULAIRE N° 89/2008
13 novembre 2008

COORDINATION REGIONALE DES PARAMETRES DE COMPILATION DES ENC -
RECOMMANDATION DU MODELE DE LA CHMB

Référence : Minutes de la 20^e réunion du CHRIS - point d'action 20/19

Madame la Directrice, Monsieur le Directeur et
Messieurs les Présidents des commissions hydrographiques régionales,

1. Le comité sur les besoins hydrographiques pour les systèmes d'information (CHRIS) a examiné, lors de sa 20^e réunion, des soumissions de la Finlande (CHRIS20-06.1F) et du Canada (CHRIS20-06.1D) à propos de l'application pratique de l'Appendice A à la S-65 - *Recommandations pour un codage cohérent des données ENC*. La Finlande a notamment attiré l'attention sur la coordination et l'accord régional qui ont été mis en place dans la région de la Baltique afin de s'assurer que des paramètres cohérents sont utilisés dans la compilation des ENC par tous les Etats concernés. La Finlande a également rappelé au CHRIS que le modèle de coordination de la mer Baltique avait déjà été approuvé par le comité sur la base de données mondiale pour les ENC (WEND), lors de sa 11^e réunion, à Tokyo, en septembre.

2. Le CHRIS, tout comme le comité WEND, a approuvé le modèle de la CHMN et a recommandé que l'expérience de la CHMN soit portée à l'attention de tous les Etats en tant que modèle permettant d'assurer la cohérence des ENC, au sein de la région. Le CHRIS a également chargé le groupe de travail sur la maintenance et le développement d'applications de la norme de transfert (TSMAD) de revoir l'Appendice A à la S-65 - *Recommandations pour le codage cohérent des données ENC* et, si nécessaire, d'effectuer des révisions, afin de tenir compte de l'expérience pratique du Canada et de la CHMB eu égard à la mise en œuvre régionale des directives.

3. Les comités WEND et CHRIS recommandent à présent que la méthode adoptée par la CHMB serve de modèle pour la détermination de paramètres de compilation appropriés, pour les ENC des régions. Les Etats membres et les présidents des CHR sont donc invités à se pencher sur l'expérience de la CHMB et à envisager de l'appliquer au sein de leurs propres régions. Une copie du document CHRIS20-06.1F (en anglais uniquement) est jointe à la présente lettre circulaire, à titre de référence.

Veuillez agréer, Madame la Directrice, Monsieur le Directeur et Messieurs les Présidents des Commissions hydrographiques régionales, l'assurance de notre haute considération,

Pour le Comité de direction,

Capitaine de vaisseau Robert WARD
Directeur

20th CHRIS MEETING
Niteroi, RJ, Brazil, 3-7 November 2008

Paper for Consideration by CHRIS

ENC harmonisation on the Baltic Sea

[22 September 2008]

Introduction

The Baltic Sea Hydrographic Commission (BSHC) has recognized the need for ENC harmonisation at its 12th Conference in June 2007. The BSHC established a Baltic Sea ENC Harmonisation Working Group (BSEHWG) with TORs to review inconsistencies between ENCs and to propose actions to resolve them. The BSEHWG reported to the BSHC 13th Conference in August 2008. At the BSHC 13th Conference the report and its recommendations were approved.

Discussion

The BSEHWG has evaluated the current situation, identified reasons for inconsistencies and agreed altogether 17 recommendations to improve the ENC consistency on the Baltic Sea. Some of these recommendations are aimed to the ENC producers and some for other bodies. The list of recommendations is in Annex 1.

The full BSEHWG Report and its Annexes can be downloaded from the IHO Web pages under BSHC → BSHC13th meeting documents.

Some comments:

- IHO recommendations and guidelines on ENC consistency have been found feasible, except some deviations on compilation scale and the use of SCAMIN.
- many of the recommendations can be implemented soon without further studies.
- further studies are needed for solving some inconsistency issues, e.g. on conveying and presentation of depths. These are highly related to the production and database specifications and it is estimated that major work is needed to overcome these.

The BSHC 13th Conference decided that its members should implement these recommendations and that the BSHC will monitor the implementations on its annual meetings.

The WEND 11th meeting regarded the BSEHWG work and the regional approach important, proposed other RHCs to consider similar actions and forwarded the recommendations to CHRIS for further actions.

Recommendations

The BSEHWG proposes similar harmonisation actions to be initiated by other RHCs for adopting regional implementations of IHO recommendations.

Justifications and Impacts

The BSHC regards very important the improving ENC consistency on the Baltic Sea and thus fostering wider use of ECDIS and ENCs and thus increasing safety of navigation. The BSHC also regards the ENC consistency issues to be very important and necessary tasks to all IHO members.

Actions required by CHRIS

The CHRIS 20th meeting is invited to take note on this information and to agree on appropriate actions, which may include:

1. to consider any technical implications of the BSEHWG recommendations;
2. to consider if a generic version of the BSEHWG recommendations should be included as an Annex to S-65 - *ENC Production Guidance*;
3. to invite RHCs to adopt similar regional consistency policies and guidelines for ENC consistency as the BSHC for their regions.

Annex 1: List of BSEHWG Recommendations

Annex 1: Summary of BSEHWG Recommendations

. #	Issue	Recommendation	Responsibility	Implementation Schedule								
				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 Germany	2008 2008	2008 2008						
		1b) The <i>Overview</i> cell should be harmonised with adjacent cells in the North Sea.	Germany	Germany	2008							
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 Estonia Finland Germany Latvia Lithuania Poland Russia Sweden	2008 2008 2008 2008 2008 2008 2008	2012 2015 2011 2009 2011 2008						
3	Use of Compilation Scale	<p>On the Baltic Sea, the following values for the compilation scales should be used:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <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)	All	Denmark Estonia Finland Germany Latvia Lithuania Poland Russia Sweden	2008 2008 2008 2008 2008 2008 2008 2009	2010 2015 2011 2009 2011 2009
180,000	(General)											
90,000	(Coastal)											
22,000	(Approach)											
4	Exceptions in the use of Compilation Scale	<p>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:</p> <p>i) the value used is in line with the intention of the IHO CL 47/2004</p>	All	When adopted								

		<p>ii) use of it is agreed bilaterally with neighbouring HO(s) concerned, in order to avoid inconsistencies at the border, and</p> <p>iii) every effort is made to minimise possible inconsistencies due to deviations from the recommended compilation scale.</p>				
5	Use of SCAMIN	BSHC should adopt the guidelines as stated in the Annex J .	All	Denmark Estonia Finland Germany Latvia Lithuania Poland Russia Sweden	2008 2008 2008 2008 2008 2009	2009 2015 2011 2010 2011 2009
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		
		6b) Meanwhile, if the IHO recommended contour intervals are not applicable, or if additional intervals are needed, implementation should be agreed bilaterally/multilaterally so that possible inconsistencies to the mariners could be avoided.	All	When adopted		
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		
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		

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 Lithuania Poland Russia Sweden	2008 2008 2008 2008 2008 2008	2008 2008 2008 2008 2008 2008
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	2009
13	Special circumstances	If found necessary it is possible to deviate from the recommendations. When doing so, the relevant HO should make 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 ENCs.	All	Ongoing		
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		

15	Training and education	All relevant bodies are encouraged to continue the education of mariners regarding 'ECDIS', 'ECS', 'ENC' and 'Electronic chart'.	All	Ongoing
16	Follow-up of implementation	All BSHC countries should follow the time schedule for the implementation of all relevant recommendations as stated in <u>Annex L</u> .	All	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