

## **BSHEWG 1 – Questionnaire**

### **QUESTIONNAIRE**

(To be returned to the National Survey and Cadastre - Denmark  
by **26 October 2007**)

To: National Survey and Cadastre - Denmark  
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Questions regarding to BSEHWG  
(Baltic Sea ENC Harmonization WG.)

Country: \_\_\_\_\_ Date: \_\_\_\_\_

Contact name and email info: \_\_\_\_\_

Problems regarding the questions, please contact: cr@kms.dk

**Some of the questions are related to Circular Letter 32 and 64/2007.  
(Improving ENC Consistency)**

The BSHC 12<sup>th</sup> Conference established the BSEHWG with the task to study the level of harmonisation of the ENCs in the Baltic Sea.

One of the tasks was to identify and analyse existing inconsistencies within ENCs on the Baltic Sea and to propose solutions and measures to avoid inconsistencies in the future.

Q.1

Does your country have sufficient ENC coverage of its waters along all the borderlines to your neighbouring countries in the Baltic Sea?

YES ☐

NO ☐

- a. If the answer is NO, please list which countries you are bordering without full coverage.

- b. If the above answer is NO, when do you expect full ENC coverage along all these borders?

Q.2

Have the Hydrographic Office in your country produced ENC from scratch (new sources different from the paper charts)?

YES ☐

NO ☐

Both ☐

If the above answer is YES or both, does the border of some of these ENC coincide with the borderline to other countries in the Baltic Sea?

YES ☐

NO ☐

If the answer is YES, does it then give inconsistency with some of your neighbouring countries (short description)?

Q.3

Please list the use of vertical datum and sounding datum your country is using in your ENC production.

Vertical datum:		Sounding datum:	

Q.4

Does the Hydrographic Office in your country follow the IHO recommendations for compilation scale?

YES ☐

NO ☐

Standard scale
1:3,000,000
1:1,500,000
1:700,000
1:350,000
1:180,000
1:90,000
1:45,000
1:22,000
1:12,000
1:8,000
1:4,000

Non-Standard scale

If you don't follow the IHO recommendations, what is the reason for not following the standard scale?

Do you plan to follow the IHO recommendations for compilation scale in the future?

Q.5

How does the Hydrographic Office in your country assign the ENC's to the 6 different usage bands?

Suggestions from IHO	
Usage	scale range
1. Overview	< 1 499 000
2. General	350 000 – 1 499 000
3. Coastal	90 000 – 349 999
4. Approach	22 000 – 89 999
5. Harbour	4000 – 21 999
6. Berthing	>= 4000

Your use of scale ranges	
Usage	scale range
1. Overview	
2. General	
3. Coastal	
4. Approach	
5. Harbour	
6. Berthing	

If you don't follow the suggestions from IHO, what is the reason?

Q.6

Does the Hydrographic Office in your country make use of the attribute SCAMIN for your ENC production?

YES ☐

NO ☐

If the answer is NO, what is the reason for not use the attribute SCAMIN?

If the above answer is YES, have you and some of your neighbouring countries agreed to follow the same method to assign the attribute SCAMIN?

YES ☐

NO ☐

Both ☐

If YES or both which countries have you agreed with:

Q.6a

If the Hydrographic Office in your country use of the attribute SCAMIN but not follow the proposal made by IC-ENC, consistent application of the attribute SCAMIN, then please describe the way you do it.

Q.7

Please list the standard depth contour range the Hydrographic office in your country is using in its ENC production.

Q.7a

Please list if you have any plans for change of contours in the future.

Q.8

Does the Hydrographic Office in your country make use of the attribute CATZOC with value 6 (zone of confidence U (data not assessed))?

YES ☐

NO ☐

If the above answer is YES, to what extent does your office utilize this value for your bathymetric data? [In percent %]:

If the answer is YES, what is the reason for use of the value: 6?

Q.9

Does the Hydrographic Office in your country use point object with the same attributes values repeatedly instead of encode it as an area?

YES ☐

NO ☐

If the above answer is YES, how dense do you place these uniform points objects? [Up to a number of points in a specific area]:

Q.10

Does the Hydrographic Office in your country encode rocks as a seabed area (SBDARE), Obstruction (OBSTRN) or as an Underwater/awash rock (UWTROC)?

SBDARE ☐

UWTROC ☐

OBSTRN ☐

If the above answer is SBDARE or OBSTRN do you then encoded these objects as point, line or area?

POINT ☐

LINE ☐

AREA ☐

Does it give inconsistency with some of your neighbouring countries?

Q.11

Does the Hydrographic Office in your country encode remains of a wreck or other foul area as Obstruction (OBSTRN) or as WRECK (WRECKS)?

OBSTRN ☐

WRECKS ☐

Both ☐

If you encoded as a wreck do you then use the attribute VALSOU?

YES ☐

NO ☐

Q.12

Does the Hydrographic Office in your country follow the IHO recommendations to hold the ENC production systems at a resolution of 0.0000001 ( $10^{-7}$ ) and the COMF value to 10000000 ( $10^7$ ) for all ENC cells?

YES ☐

NO ☐

If the above answer is NO, please write the resolution and the COMF value you are using.

Resolution:

COMF value:

If the answer is NO, what is the reason for not following the IHO recommendations?

Q.13

Does the Hydrographic Office in your country encode both of these objects (CBLSUB) and (CBLARE)?

YES ☐

NO ☐

If the above answer is YES, have you then agreed with your neighbouring countries which type you are using at the borderline?

YES ☐

NO ☐

No matter YES or NO, does it give inconsistency with some of your neighbouring countries? State the area and describe the inconsistency.



Q.14

Does the Hydrographic Office in your country make use of the object (SEAARE) to encode the name of the sea areas?

YES ☐

NO ☐

If the above answer is YES, do you then use the object as a point or a polygon?

POINT ☐

POLYGON ☐

Describe if there is inconsistency with some of your neighbouring countries?

Q.15

Does the Hydrographic Office in your country announce preliminary and/or temporary corrections in the updates?

Preliminary YES ☐

NO ☐

Temporary YES ☐

NO ☐

If no, do you have any plans in that respect?

YES ☐

NO ☐

Q.16

Does the Hydrographic Office in your country use the "Usage Indicator" [USAG] with value "C" when the feature is truncated by the data limit?

YES ☐

NO ☐

Q.17

Does the Hydrographic Office in your country test/validate ENC before launching?

YES ☐

NO ☐

If the above answer is YES, how do you test/validate (methods and equipment)?

Q.18

Does the Hydrographic Office in your country test for harmonization for both your own and neighbouring countries before launching ENC?

YES ☐

NO ☐

If the above answer is YES, how do you test (methods and equipment)?

Q.18a

Do you compare all data boundaries also between larger and smaller scaled cells?

YES ☐

NO ☐

Q.19

Has the Hydrographic Office in your country agreed to exchange data boundary with some of your neighbouring countries so you could follow the suggested 5 metre overlapping buffer zone?

YES ☐

NO ☐

If the above answer is YES, please list which countries you have agreed with.

Q.20

Please list all the object classes the Hydrographic Office in your country is currently using or not using in the Baltic Sea (Choose between using and not using).

Using ☐

Not using ☐

Q.21

Does the Hydrographic Office in your country encode some of the mandatory attributes with UNKNOWN (no values)?

YES ☐

NO ☐

Q.22

Does the Hydrographic Office in your country create C\_AGGR objects?

YES ☐

NO ☐

Q.23

Does the Hydrographic Office in your country use straight or geodetic lines to represent lines like border lines between defined points, NAVLNEs or RECTRCs?

Straight ☐

Geodetic ☐

Q.24

Which version of S-57 does the Hydrographic Office in your country use for ENC production?

Q.25

Does the Hydrographic Office in your country exchange survey material with neighbouring Hydrographic Offices across the national borderline or do you survey partly in your neighbour's waterways or vice versa?

Exchange survey material with neighbouring countries: YES ☐ NO ☐

Survey partly in your neighbour's waterways: YES ☐ NO ☐

Q.26

In case an important waterway is split by national borderlines does the Hydrographic Office in your country agree that the neighbouring Hydrographic Offices edit the whole area on behalf of you or vice versa?

YES ☐

NO ☐

Q.27

Does the Hydrographic Office in your country publish new editions of ENC's at the same time as the new edition of the corresponding paper charts, earlier or later?

Simultaneously ☐

Earlier ☐

Later ☐

More often ☐