



Finnish Transport Agency  
Hydrographic Office  
Helsinki, 8 December 2017

## Questionnaire to BSHC Member States on their implementation status of the transition to a Harmonised Vertical Reference, Baltic Sea Chart Datum 2000.

Last three questions (9 - 11) concerns GNSS-augmentation/correction services used in member states.

Please return to Mr. Jyrki Mononen by email ([jyrki.mononen@liikennevirasto.fi](mailto:jyrki.mononen@liikennevirasto.fi)) at the latest by **26 January 2018**.

Member state	Denmark
Date of reply	28/1-2019 (copy of last year's reply)
Point of Contact	Joanna Gerlings (Danish Geodata Agency) Philip S. Christiansen (Danish Geodata Agency)

### 1. Are all the decisions done to implement the Baltic Sea Chart Datum 2000?

1.1. When the decisions has been done or planned to be done?

N/A

1.2. What are the national decisive organizations?

N/A

### 2. What is the national status of implementation?

2.1. When the first BSCD2000 products are planned to be published?

DHO will follow the Swedish approach and implement BSCD2000 when Sweden do in waters close to Denmark

2.2. What is the planned time-span of the implementation? When to start and when all the products are published in BSCD2000?

We monitor the situation through BSICCWG

### 3. Are the relevant national contacts and interest groups defined?

3.1. What are the essential national interest groups in Your country?

The Datum will in general not change anything for Danish waters.

However, possible interest groups are:

- Danish Meteorological Institute (DMI)
- Søfartsstyrelsen/Danish Maritime Authority (DMA)
- Kystdirektoratet/Danish Coastal Authority (DCA)



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3.2. Are the relevant point of contacts known and contacts been made to them?

N/A

3.3. How is the water level information planned to be provided to mariners and other users in BSCD2000?

We will follow the best practice approach in the way that Sweden do

#### 4. Have You identified any obstacles or major issues concerning transition to the harmonized vertical reference?

4.1. What are the major obstacles or issues?

We will have to coordinate through BSICCWG and plan as the Swedes proceed the implementation

4.2. What measures has been planned to avoid them?

N/A

#### 5. Connections to neighbouring countries

5.1. Which are the relevant countries to cooperate?

Sweden and Germany

5.2. Are the needed points of contacts already known?

Yes

5.3. What actions have been agreed with the relevant countries (e.g. synchronising plans and schedules)?

Coordination through BSICCWG

#### 6. Are there any needs for support from BSHC? We already have the support

#### 7. Do you have any other proposals or guidance to the CDWG to help and foster the transition process? No

#### 8. Are you using GNSS and GNSS augmentation services for referring to your (bathymetric) surveys to the chart datum? Yes

#### 9. What GNSS augmentation service is used for hydrographic surveys? (If there are several augmentation services, list all of them.) VRS from GPSNET and own base stations related to EUREF89/DVR90

#### 10. To which coordinate system, and vertical reference level/frame the augmentation service is referred to? (If there are several systems in use, list all of them.) Horizontal: EUREF89 and vertical: DVR90