

**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	RUSSIAN FEDERATION
Date of reply	25 January 2018
Point of Contact	The Head of the Department of Navigation and Oceanography of the Ministry of Defence of the Russian Federation Captain Sergey Travin e-mail: <a href="mailto:unio@mil.ru">unio@mil.ru</a>

**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?

In accordance with the latest documents of the Government of the Russian Federation in the field of State coordinate systems of the Russian Federation including vertical reference any decisions concerning the transition to the harmonized vertical reference may be done not earlier than the end of 2020.

1.2. What are the national decisive organizations?

Any decisions in the field of State coordinate systems of the Russian Federation including vertical reference are under responsibility of the Government of the Russian Federation.

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

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

Any dates or periods can be defined only after a complex of preparatory arrangements to support the implementation of the new State coordinate system of the Russian Federation would be completed.

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

The answer is the same as in 2.1.



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

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

All the matters in the field of State coordinate systems of the Russian Federation including vertical reference are under responsibility of the Government of the Russian Federation. There is no any information referring other essential national interest groups in the Russian Federation.

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

The relevant point of contact is the Department of Navigation and Oceanography of the Ministry of Defence of the Russian Federation as an official of the Russian Federation representative in the BSHC.

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

Technical details of providing to mariners and other users water level information in BSCD2000 will be defined after the implementation of the new State coordinate system of the Russian Federation.

### 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?

4.2. What measures has been planned to avoid them?

No information to include.

### 5. Connections to neighbouring countries

5.1. Which are the relevant countries to cooperate?

Estonia, Finland, Lithuania, Poland.

5.2. Are the needed points of contacts already known?

To be clarified.

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

No information to include.



Finnish Transport Agency  
Hydrographic Office  
Helsinki, 8 December 2017

**6. Are there any needs for support from BSHC?**

No.

**7. Do you have any other proposals or guidance to the CDWG to help and foster the transition process?**

No No information to include.

**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.)**

GLONASS  
GPS

**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.)**

The Parameters of the Earth-90.02 State Coordinate System.  
WGS-84