

BSHC Chart Datum, Water level and Currents Working Group (CDWCWG)

Terms of Reference

To be approved by the BSHC 30th Conference, 22-24 September 2025
Amendments marked in red, as proposed by CDWCWG2

The Working Group should

Report to the BSHC Conferences.

1. To continue implementation of the Baltic Sea Chart Datum 2000 (EVRS with land-
uplift epoch 2000), **S-104 Water Level Information and S-111 Surface Currents in
the Baltic Sea.**
2. To prepare the road map for transition **and implementation**, including e.g.:
 - to establish a network of relevant bodies involved into the transition and
efficiently communicate and give guidance within this network
 - **to invite relevant organizations, like meteorological and oceanographic institutes,
to the working group to strengthen the implementation**
 - to invite relevant bodies to inform the users
 - to review of progress of national plans and actions
 - to propose harmonization actions.
3. To cooperate with relevant bodies on water level related issues e.g.:
 - to promote studies on the validation, status and distribution of water level
information, and to promote studies on interpolation and prediction of water
levels
 - to promote studies on displaying schemes for joint Baltic Sea water level
information
 - to promote studies on recommendations to IHO bodies how the sea level and its
variations should be shown on nautical paper and ENC charts and publications,
and conveying water level information to mariners [ref. IHO Technical
Resolutions].

4. To support development of a common harmonized height reference, including **maintenance and** further development of a common geoid model for the whole Baltic Sea area:
 - to promote geoid computations and gravity measurements in the Baltic sea, as is needed to realize the Baltic Sea Chart Datum 2000
 - ~~— to coordinate the finalization of the BSCD2000 height reference grid~~
 - to establish a continuity management (future updates) of the BSCD2000 height reference grid
 - to distribute BSCD2000 data products
 - to support geoid and oceanographic studies relevant to these purposes
 - **to support the development of recommendations for transformation between national and global reference frames.**
5. To cooperate with relevant international bodies, for example organizations responsible for delivering water level and currents information (e.g. BOOS, NOOS) and geodetic infrastructure (e.g. EUREF and NKG).
6. To liaise with relevant IHO bodies and study relevant IHO resolutions and specifications.
- ~~7. To coordinate the implementation of the IHO S-100 products S-104 Water Level Information and S-111 Surface Currents in the Baltic Sea:~~
 - ~~— to invite meteorological and oceanographic institutes to the working group to strengthen the implementation.~~