



# **Short report from: “the BSHC ChartDatumWG Meeting on 30-31 August 2011”**

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L A N T M Ä T E R I E T



# **The Baltic Sea Hydrographic Commission, w.g. on Chart Datum**

- Up to now/recently, depts on charts for traffic on sea in the Baltic is related to “mean sea level” for the year when the depth measurements was performed
- Observed sea level at mareographs (tide gauges) are reported to the ships in relation to (predicted) mean sea level for current year
- The Baltic Sea is now considered as a “non-tidal water”
- This is complicated for the Hydrographic Authorities as well as for the users
- Therefore BSHC wg CD would like to relate their work and products to a geodetic height system, available in all the countries around the Baltic Sea

# Chart Datum to be considered..

- The obvious candidate is EVRS
- Some issues:
  - Which realization of EVRS should be considered to be the choice for the Baltic Sea Chart Datum (BSCD)? EVRF2007 adjustment or the national realizations that are implemented or will be implemented within the different countries??
  - Since the Hydrographic Authorities wants to use GNSS for measurements, a geoid model is needed
  - Also an agreed PGR model is needed
  - And it seems to be a wish/request to have/keep geoid and PGR models stable for some time (10 to 20 years)

# The Baltic Sea Hydrographic Commission, w.g. on Chart Datum

## List of participants:

*Kaimo Vahter (MSI/BOOS)*

*Palle Bo Nielsen (DaMSA)*

*Wilfried Ellmer (BSH)*

*Lars Jakobsson (SMA),*

*Henrik Tengbert (SMA)*

*Martin Lidberg (LM) (only on 30 August)*

*Jaakko Mäkinen (FGI)*

*Tor Tørresen (NMA)*

*Jukka Varonen (FTA), (Chair)*

*Jyrki Mononen, (FTA)*

*Juha Korhonen (FTA)*