

**Liik
enne
vira
sto**

**TWLWG6, 25-28 March 2014
Wollongong, Australia
National presentation of Finland**

25.3.2014

Transition to a new vertical reference system (1/2)

Background:

- IHO Baltic Sea Hydrographic Commission (BSHC) has noticed that it is important to have a common, harmonised, vertical reference system within the Baltic Sea (there hasn't been such)
- BSHC Chart Datum Working Group (CDWG) was established to study the feasible common vertical reference system
- CDWG proposed the European Vertical reference System (EVRS) as a common vertical reference level and BSHC approved the proposal

BSHC and CDWG:

- CDWG will coordinate the transition to the harmonised vertical reference within the Baltic Sea
- CDWG has made a draft road map and time schedule as a guidelines for the transition (see. Fig 1)
- Draft road map and time schedule will be presented for approval of the BSHC19 meeting in June 2014
- The goal is to take the harmonised vertical reference in use in year 2020

Transition to a new vertical reference system (2/2)

Finland:

- The realisation of the EVRS is N2000 –height system which is used also as a national height system on land surveys
- Finland is committed to the general time schedule and road map which were drafted by BSHC Chart Datum Working Group
 - => plan is that harmonised chart datum will be taken into use in 2020 and the depth information in nautical charts and publications will be referred to harmonised vertical reference since then
- Next task within the year 2014 is to compose a national plan for the transition
- Several questions to be solved in the plan, e.g:
 - recourses, scope of the transition (which data will be transformed, what is the precision of transformation etc.), co-operation with relevant stakeholders, informing the users, updating data systems (bathymetric database, chart production system, etc.), provision of water level information without confusion of old and new datum, how the products should be taken in use (old and new chart datum in use at the same time for a some time period?) etc.

Fig. 1. CDWG draft time schedule for transition to the new vertical reference level

