

A Vertical Reference Surface for Hydrography – Status Report 2005



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United Kingdom Hydrographic Office

Timeline

WG4.2 - Vertical Reference Surface for Hydrography

- Apr 2002 – Washington DC

Working Group 4.2 set up (joint with Commission 5).



2002	2003	2004	2005	2006
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WG 4.2 - Aims

- Aims:**
 - To develop and promote the understanding and realisation of a vertical reference frame for use in hydrography.
 - To examine the demand for a seamless vertical reference frame for use in hydrography and marine navigation.
- Main output:**
 - White paper/technical paper on the current understanding and how it relates to hydrography and navigation.

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Timeline

WG4.2 - Vertical Reference Surface for Hydrography

- Apr 2003 – Paris FIG WW2003

- Seamless Digital Data and Vertical Datums - Adams*
- Development of a Seamless Vertical Reference System: Challenges and Opportunities – El-Rabbany*



2002	2003	2004	2005	2006
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Timeline

WG4.2 - Vertical Reference Surface for Hydrography

- May 2004 – Athens FIG WW2004

- Development of a Seamless Vertical Reference Surface - Practicalities and Problems - Adams and El-Rabbany*



2002	2003	2004	2005	2006
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Timeline

WG4.2 - Vertical Reference Surface for Hydrography

- May 2004 – Athens FIG WW2004

Decision reached regarding the output of WG4.2. There will be two papers. One 'executive summary' and one a comprehensive background on the Development of a Seamless Vertical Reference Surface



2002	2003	2004	2005	2006
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Timeline

WG4.2 - Vertical Reference Surface for Hydrography

- Apr 2005 – Cairo FIG WW2005

** Analysis of Hydrographic Data Uncertainty in Hydrography – Seamless Reference Surface – El-Rabbany*



2002

2003

2004

2005

2006

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Timeline

WG4.2 - Vertical Reference Surface for Hydrography

- Apr 2005 – Cairo FIG WW2005

Overview paper on vertical reference surface – draft for discussion.

Canvassing opinion on content of the comprehensive background paper.



2002

2003

2004

2005

2006

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Timeline

WG4.2 - Vertical Reference Surface for Hydrography

- Sept 2006 – Munich FIG 2006

Publication of the two papers:

- (a) An overview ('executive summary') of a Vertical Reference Surface' for Hydrography and
- (b) A comprehensive background paper/manual



2002

2003

2004

2005

2006

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The Exec Summary

- The aim of this is to produce a short 'high-level' document. This will explain what a vertical reference surface for Hydrography is.

It is intended that this document will be used by surveyors etc to raise the profile of their work, obtain funding to senior management etc.

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The Background Document

- The aim of this document is to provide background, technical information. We envisage it to be a user handbook covering subjects such as how to build a vertical separation model, country studies etc and will have a comprehensive glossary.

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We Need Your Help!

- The output of the working group will be very much enhanced by your input.
- Exec summary – copy for you to mark up
- User handbook – your ideas are most welcome! What should it cover? What should be in the glossary?

THANK YOU

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