



B-12 Guidance on Crowdsourced Bathymetry

Introduction

Day 1 - Morning Session

IHO, Monaco 13th – 17th September 2021

**IHO**

PROPOSED AMENDMENTS

International
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Organization

Ref. to the text	Edition 2.0.3 text	Updated text	Writing team notes
Contributors	Logos representing the organization/govt/company of all authors of original B-12.	List all those involved as an annex, which might be a better way of achieving the acknowledgement.	Similar to what S-44 has done.
IHO Statement on CSB	Crowdsourced bathymetry (CSB) is the collection of depth measurements from vessels, <u>using standard navigation instruments</u> , while engaged in routine maritime operations.	Crowdsourced bathymetry (CSB) is the collection of depth measurements from vessels while engaged in routine maritime operations.	Contributes to effort to make document equipment agnostic
IHO Statement on CSB	...less than fifteen percent of the world's ocean depths have been measured; the rest of the data used to compile seafloor maps are estimated depths. T	...the majority of the world's oceans have not been directly sounded; the rest of the data used to compile seafloor maps are estimated depths.	This will always be incorrect, need to find words to convey the sentiment without giving a figure

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IHO Statement on CSB	...including the United Nation's 2030 Agenda for Sustainable Development Goals, the Paris Agreement under the United Nations Framework Convention on Climate Change, and the Sendai Framework for Disaster Risk Reduction 2015-2030.	...including the United Nations 2030 Agenda for Sustainable Development Goals, the Paris Agreement under the United Nations Framework Convention on Climate Change, the Sendai Framework for Disaster Risk Reduction 2015-2030 and The Nippon Foundation-GEBCO Seabed 2030 Project.	Suggest adding Seabed 2030 and UN Decade.
IHO Statement on CSB	As a result, the world's commercial fleet represents a significant, untapped source of potential depth measurements.	...untapped source of potential depth measurements in the same way that mariners currently and routinely observe the weather and make other marine environmental observations.	Is this the spot to identify Crowd-source is already happening wrt meteorology?

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Purpose and Scope	It is hoped that this document will help mariners optimise data collection, and will provide them with information about devices, techniques and formats that are recommended by the International Hydrographic Organization for gathering and contributing CSB data.	Hopefully this document will help mariners optimise data collection and sharing following recommendations promoted by the International Hydrographic Organization for gathering and contributing CSB data.	

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Ref. to the text	Edition 2.0.3 text	Updated text	Writing team notes
Purpose and Scope	<p>This document also provides information about data uncertainty, to help data collectors and data users better understand quality, completeness, and accuracy issues with crowdsourced bathymetry. Additional considerations related to crowdsourced bathymetric data logging and data sharing are also briefly explored.</p>	<p>This document is not meant to provide advice or recommendations on systematic bathymetric data acquisition and processing, for these the interested reader is invited to consult the IHO C-13 and IHO S-44 6th edition. With the main aim of this document being to optimize the acquisition, processing and use of opportunistic bathymetric information, it has been decided to refrain from focusing on a specific technology or software, but rather provide information on general concepts about crowdsourced bathymetric data acquisition, metadata content and data uncertainty, to help data collectors and data users better understand quality, completeness, and accuracy issues with crowdsourced bathymetry. Additional considerations related to crowdsourced bathymetric data logging and data sharing are also briefly explored.</p>	<p>Points readers to more authoritative sources of documentation .</p>



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Target Audience	The IHO seeks to inform and guide collectors of crowdsourced bathymetry data.	The IHO seeks to reach out to all potential crowdsourced bathymetric data collectors and users and provide them with guidance.	<p>Suggest this be made generic and/or simplified to be participants in CSB. This section or the next section (Document Structure) might be the place to suggest more technical documents would be found elsewhere for advanced or sector participants.</p> <p>Are “users” included in the scope?</p> <p>See next page for more detailed discussion.</p>



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AMENDMENTS FOR FURTHER DISCUSSION

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Reference to the text	Points for discussion	Origin	Major or minor
Target Audience	<ul style="list-style-type: none">• Many of us have the understanding from the Introduction of B12 (+ the mission we have from IHO) that the target audience is (and should only be) the "mariner who wants to contribute" bathymetric data.• So the intent is to have the body of the document be generic, tech agnostic and accessible to the common mariner.• How users will use the data should be out of the scope of the document.• More technical, more sector-specific sections are encouraged but will live outside of the B-12 document, BUT on the B-12 homepage.		M
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