

Annex A: CSBWG Tasks and Work Plan

A	Maintain and update IHO CSB Guidance Document (B-12)
B	Submit IHO CSB initiative as a UN Decade Action
C	Gather, prioritize and respond to HO-specific issues/opportunities regarding national policy/ regulations related to CSB
D	Gather and prioritize HO-specific issues relating to CSB data, including but not limited to Nautical Cartography
E	Support CSB/SB2030 Coordinators in their RHC engagement
F	Discuss and propose potential software tool support for HOs
G	Clarify support identified by current Trusted Nodes needed for current and future Trusted Nodes.
H	Clarify all aspects of the CSB data cycle and capture known issues, requirements and suggested enhancements.
I	Develop a communication plan in coordination and collaboration with related efforts (SB2030, GEBCO, etc)
J	Develop a recognition & incentive strategy plan
K	Deliver the IHO CSB Initiative

Work Item	Title	Priority <i>H-high M-medium L-low</i>	Next milestone	Start Date	End Date	Status <i>P-planned O-ongoing C-completed S-superseded</i>	Contact Person(s)	Related Pubs / Standard	Remarks
A-1	Review B-12 Edition 3.0.0	M	Identify review cycle	2023	Ongoing	O	G Morissette	B-12 Edition 3.0.0	
A-2	Capture suggested updates to B-12 Edition 3.0.0	M	Consolidate and share suggestions	2023	Ongoing	O	G Morissette	B-12 Edition 3.0.0	Discussion topic at CSBWG15
A-3	Develop proposal for maintenance of B-12	H	CSBWG16	2023	March 2025	O	G Morissette	B-12 Edition 3.0.0	Discussion topic at CSBWG15
B-1	Define the shape and nature of the IHO CSB Initiative and how this relates to the work of the CSBWG	H	CSBWG15 IRCC16	Aug 2023	March 2025	C	S. Harper	B-12 Edition 3.0.0	Presented at CSBWG15 and proposed to IRCC16
B-2	Produce proposal and submit to UN Decade as an action	H	CSBWG16 IRCC17	Aug 2023	March 2025	O	E Flier	B-12 Edition 3.0.0	
C-1	Capture issues (and propose solutions) regarding national policy/regulations /culture affecting the endorsement of CSB	H	Consolidate and draft solutions to overcome them	2023	CSBWG15 & 16	O	C. Rathnayake	CSBWG10: Responses to IHO Circular Letters on CSB	First five issues investigated, solutions captured, activities underway.
C-2	Draft proposed rationale to the issuing of a new brief circular letter (and questionnaire) to MS explaining the purpose of IHO CL 21/2020 and encouraging a positive response	L	Present to CSBWG and determine whether to issue to MS	2023	CSBWG14	C	Chair	IHO CL 21/2020	Decision made at CSBWG15 that, at present, the rationale does not exist to draft a new CL. Will coordinate with Outreach Team on future messaging and engagement (includes for IRCC Workshop)
C-3	Request the policy framework(s) or guideline(s)	M	Identify States who might be willing to	2023	CSBWG15 & 16	O	Chair	IHO CL 21/2020, IRCC	The chair has discussed the original milestone with the

	adopted by selected coastal States who positively responded to IHO CL 21/2020 or IRCC CL 01/2020		share their experience and request their feedback and guidance.					CL 01/2020	IHO and has been encouraged to reach out directly to a select States that could offer unique experiences that may be applicable to others.
C-4	International Law of the Sea as it pertains to passage sounding collection.	H	S Keating to provide presentation to CSBWG14; provide resource materials to CSBWG	2023	CSBWG14	C	S. Keating	CSBWG14-3.1: CSB and International Law	Presentation given at CSBWG14
D-1	Produce guidance for use of CSB data for SOLAS nautical cartography and other product	M	Share with coastal States	2023	CSBWG15	O	H Oais		Hans Oias (Sweden) has submitted the wording in S-44 regarding Annex A (the matrix for aiding data quality classification):
D-2	Evaluate the CSB data stored in the IHO DCDB for use in nautical cartography.	M	Provide feedback to DCDB	2023	Ongoing	O	A Klemm		Testing and feedback is ongoing. CHS & NOAA exploring tool generation and developing data processes
D-3	Engage with industry to ensure the required tools exist to efficiently use DCDB-hosted CSB data for navigational products.	M	Dependent on progress made on D-1 and D-2	2023	Ongoing	O	A Klemm		CA has started discussions with Teledyne on a project to build tools for CSB processing, CA using VBI Compare Tool; NOAA developing in-house/open-source tools to extract, process, and store/export CSB data
D-4	Engage with other IHO WGs to ensure suitable standards exist for describing CSB data and displaying CSB data on ECDIS.	M	Dependent on progress made on D-1 and D-2	2023	Ongoing	P	A Klemm		No updates
E-1	Revisit and update (if	H	Revisit current	2023	Dec 2023	C	B. Baron		

	necessary) the original intent of the CSB/SB2030 Coordinator (Co) role.		definition(s) of Co role & draft a simple & clear role description.						
E-2	Work with each Co to develop a regional strategy to aim to achieve the goals of the CSBWG and SB2030	H	Make a plan on how will we support Cos	2023	Ongoing	C/O	B. Baron		
E-3	Raise awareness of CSB in IHO Capacity Building Subcommittee	M	Present at CBSC22	2023	Ongoing	P	B. Baron		Will present virtually at upcoming CBSC meeting on the role of CSB in capacity building toolbox
F-1	Identify objectives of industry team	H	Broaden group participation	2023	Ongoing	O	Teledyne/B Jensen		Lots of turnover. Reconsidering purpose of Work Item and whether is should combine with Group D.
G-1	Capture known issues identified by current Trusted Nodes	M	Develop guidance for current and future Trusted Nodes	2023	Ongoing	O	CIDCO/G Morissette		Creation and publication of an open-source uncertainty model. Creation and maintenance of a free portal to showcase CSB partners and projects
H-1	Review, recommend, and document the data flow of standard processing stages for data capture	M	Present to CSBWG for discussion	2023	Dec 2024	O	CCOM/B Calder		
H-2	Review current metadata structure for CSB data for completeness, encoding methods, validation mechanisms, and support for end-user database mapping	M	Recommend modifications	2023	March 2025	P	CCOM/B Calder		
H-3	Consider potential extensions of the current GeoJSON	M	Recommend modifications	2023	Dec 2024	O	CCOM/B Calder		

H-4	Investigate possible extensions to the DCDB S3 data store and OGC services	H	Consolidate suggestions for future development at DCDB.	2023	May 2024	C	CCOM/B Calder		
H-5	Establish recommendations for one or more use cases of CSB, and associated guidelines for data products	M	Collaborate with other working groups preparing specialized products (e.g., for HO use)	2023	Ongoing	O	CCOM/B Calder		
I-1	Develop draft outreach coordination plan	H	Establish collaborative workspace and aggregate materials; Finalize C&O strategy v1; Start drafting v2; Draft a mechanism to prioritize C&O activities	2023	Ongoing	O	S Grasty		Drafted version 1 of C&O strategy
J-1	Compile a list of potential types of recognition and potential incentives that would motivate individuals and/or organizations to participate in CSB	M	For each potential type, develop a short summary of action required to support its implementation	2023	July 2024	O	Fugro/D Millar	B-12 Edition 3.0.0	List drafted and currently being validated via on-line questionnaires
J-2	Develop Recognition and Incentive Strategy Plan		Gather feedback at CSBWG14 and finalize	2023	Dec 2023	P	Fugro/D Millar	B-12 Edition 3.0.0	Strategy Plan to be written after validation complete
K-1	Develop a management plan for the IHO CSB Initiative	H	Initial analysis and proposal presented to CSBWG16	2024	Mar 2015	o	IHO Sec		