

Work Item F

Potential Software Tool for Hydrographic Offices

Report to CSBWG Intersessional

Virtual Meeting

15 October 2024

By Brian Jensen

Work Item Group F



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Work Item Team Members

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We have lost four group members and two do not participate:

- Anders Bergström (Teledyne Raymarine)
- Idris Salaudeen (Teledyne 7Cs)
- Karen Cove (Teledyne Caris)
- Benjamin Barbier (Teledyne Caris)
- Not participating: Meredith Payne (ESRI), Paul Duvoy (University of Alaska).

This leaves us with five “active members”

- Brian Jensen (Teledyne Raymarine)
- Emma Wise (Teledyne 7Cs)
- Mathieu Rondeau (CHS)
- Knut Hartman (EOMAP)
- Thierry Schmidt (SHOM)



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Work Item Background & Purpose

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Discuss and propose potential software tool support for HOs

F-1	Identify objectives of industry team	H		2023	August 2023	C	Teledyne/A Bergstrom	7 reports from held meetings
F-2	Elaborate further on made findings	M		2024		P	Teledyne/A Bergstrom	



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Progress Since CSBWG15 – Green Highlights Overlap with Group H

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1. Tools that make SDB and CSB complementing each other
2. Data availability tool even if not shared
3. Identified need for Quality indicator tool
4. Data filtering for easier sharing
5. Potential to assess data alongside official data to understand performance and data quality (compare what is being done with GNSS accuracy support already)
6. Tools for data correction: anomalies, speed, tidal, on-land
7. SDB, CSB “no go” zones product potential
8. QGIS for building maps (not for navigation use). Soon to be released CHS Community Hydrography tool
9. Promoting Open-Source Tools
10. Tools to support actual creation of official/nonofficial data from quality assessed or big CSB data.
11. A [IHO] tool where stakeholders can provide data availability and reason for not sharing or what permitted data uses. EMODNET is one example.



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Planned Activities

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- Due to significant overlap with Group H. We have decide to disband our group and join Group H.