



# 15<sup>th</sup> Meeting of the Hydrographic Services and Standards Committee

## Report of the Hydrographic Dictionary Working Group

### Agenda Item HSSC15-05.8A

HSSC-15, Helsinki, Finland, 5 – 9 June 2023



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# PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International  
Hydrographic  
Organization

1. Completion of the S-32 review (tasks b,c,d of the ongoing work programme).
2. Statistical analysis of S-32 content and conclusions.
3. Creation of an Excel structured database to sort out the HD 6,500 terms according to their relevance to the IHO, technical domain and frequency.
4. Harmonisation of S-32 HD / IHO GI Registry through the Concept Registry Domain Control Body. However, this procedure valid for new terms only covers about one third of the Hydrographic Dictionary.

# The Hydrographic Dictionary in a nutshell

## Content

- About 6,500 entries
- 35% IHO-specific e.g. Buoy: cardinal
- 65% Shared, but not IHO-specific e.g. Clarke's spheroid

## Attributes

- ⇒ Usage: (1,2,3): u.1 59% common, 38% u.2 less common, u.3 4% rare
- ⇒ Archaic & Historic: 1.5%

## Most frequent HD Domains

IHO-Specific		Shared, but not IHO-specific	
<b>Cartography</b>	<b>6.5 %</b>	<b>Astronomy</b>	<b>7.1 %</b>
<b>Navigation &amp; ATON</b>	<b>5.9 %</b>	<b>Geodesy</b>	<b>6.9 %</b>
<b>Tides</b>	<b>4.6%</b>	<b>Geography, cartography and Ice</b>	<b>6.1 %</b>
<b>Surveys</b>	<b>3.9 %</b>	<b>Instruments (non IHO)</b>	<b>5.8 %</b>
<b>Seamanship</b>	<b>1.6 %</b>	<b>Meteorology</b>	<b>3.8 %</b>
<b>MSI</b>	<b>0.3 %</b>	<b>Photogrammetry &amp; Photo</b>	<b>4.3 %</b>

# The Hydrographic Dictionary in a nutshell

## HD Excel database

5321	5282	taffrail	IHO B	ship arc.			u.2 u.3	taffrail. <i>IHO, ship, u.2.; B, arc. u.3.</i> The after rail at the stern of a vessel.
5022	4986	star identifier	B		astro.	hist.	u.2	star identifier. <i>B, astro. u.2.</i> See STAR FINDER.
4695	4660	sextant error	IHO	instr.		hist.	u.2	sextant error. <i>IHO, instr. hist. u.2.</i> See ERROR.
2169	2154	gyro	B		instr.	coll.	u.1	gyro. <i>B, instr. coll. u.1.</i> See GYROSCOPE.
1516	1505	Dutchman's log	IHO	instr.		arch.	u.3	Dutchman's log. <i>IHO, instr., arch., u.3.</i> See LOG.
681	672	celestial globe	B		astro.	arch.	u.2	celestial globe. <i>B, astro., arch. u.2.</i> See STAR GLOBE.
656	648	careen	IHO	ship		arch.	u.3	careen. <i>IHO, ship, arch., u.3.</i> Causing a vessel to lie over on one side.
570	564	bull's eye level	B		instr.	coll	u.1	bull's eye level. <i>B, instr., coll., u.1.</i> See LEVEL: SPIRIT.

## The time it takes

- HD Review: 5 to 10 terms per hour, i.e. at least 100 working days
- French backlog to English HD:  $\approx$  2 terms per hour (161 terms left)



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## PROBLEMS OR OUTSTANDING ISSUES

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1. The HDWG needs to start afresh by redefining the roles of the Chair, Vice-Chair, Secretary and consulting Members.
2. There is an urgent need to confirm the refoundation face-to-face meeting in 2024 in Guangdong, China, which has been postponed three years in a row.
3. Consequences must be drawn as to the fundamental difference between an encyclopaedic HD and a single-point-of-truth GI Registry, unlikely to handle legacy data (two thirds of the actual S-32).



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# FUTURE WORK PROGRAMME

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Organization

1. All previous work programmes have been completed.
2. A new work programme has to be defined and discussed at the next face-to-face refoundation meeting.
3. Amongst the points to be discussed, we could start with the following agenda:
  - New TORs?
  - Role of the Chair, Vice Chair and Secretary
  - HD custodianship and liaison with GI Registry
  - Type and frequency of future meetings (face-to-face, by videoconference, mixed, etc...)
  - Liaison with other national dictionaries



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## **ACTIONS REQUESTED FROM HSSC**

International  
Hydrographic  
Organization

1. Take stock of this report.
2. Grant committed support to the Guangdong 2024 face-to-face meeting.
3. Eventually, provide guidance on the future of the Hydrographic Dictionary as a stand-alone IHO publication.