



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

## Report on IHO GI Registry Management

### Agenda Item 05.1B



IHO

# PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

International Hydrographic Organization

- Enable full Domain Control Body (DCB) functionality (Completed)
- Activate Producer Code Register as interface for IHO Publication S-62 (as replacement for the current active S-62 database (Completed)
- Align Producer Code Register to S-100 requirements (In progress)
- Align draft S-99 (Edition 2.0.0) and Part 2 of S-100 (Edition 5.0.0) to new GI Registry structure and functionality (Completed)
- IALA request for an IALA Domain within the Portrayal Register (Completed)
- Complete IHO GI Registry user guidelines (S-99 Annex A) (In progress)

**Producer Code Register (S-62)**

**Introduction**

The Producer Code Register contains Data Producer Codes for:

- IHO Member States or Other States** who are providers of official nautical charts or nautical publications issued by or on the authority of a government authorized hydrographic office. These charts and publications are specifically produced to meet the requirements of marine navigation in accordance with the requirements of the Convention on the Safety of Life at Sea (SOLAS) Chapter V. The codes in these domains are used primarily for Electronic Navigational Charts (ENCs) and for other officially authorized products which supplement, such as nautical publications and marine information overlays.
- Other Organizations/Entities who are any agency, organization, or private company** that produces data that conforms to IHO standards, or IHO-derived standards, but that do not qualify for a Producer Code as described in 1 above (that is, datasets in this group are classified as "non-official" datasets).

The two-character Producer Code acronyms in these domains comprise two letters or a letter followed by a number, and are based, wherever possible, on the ISO-3166-alpha2 country code standard.

IHO States and Other States correspond to Tables 1 and 2 in the downloadable pdf, which is available from the link located at the bottom of the main Producer Code Register page, which can be accessed from the "Codes" link above.

With a few exceptions, the two-character Producer Code acronyms in this part of the register generally starts with a number between 0 and 9 in order to clearly distinguish them from the country Producer Codes as described in 1 above.

Other Organizations/Entities correspond to Table 3 in the downloadable pdf.

The list of Data Producer Codes, accessible from the "Codes" link above may be ordered alphabetically, forward or reverse, according to any of the columns in the list. A csv version of the IHO Data Producer Codes is downloadable from this list in addition to the pdf.

A cumulative list of all major changes to the list of Data Producer Codes (new or removed producers, changed numeric or alpha Agency Codes) is maintained on the IHO web site at: [https://iho.int/aisash/inter/subs/register/s-62/Cumulative\\_list\\_of\\_Changes.pdf](https://iho.int/aisash/inter/subs/register/s-62/Cumulative_list_of_Changes.pdf)

**Producer Code Register (S-62)**

Category: IHO Member States Other States Other Organizations/Entities Filtered by: Country Name Status: All

No	Name	Country	Agency	Code Num	Code Alpha	Accepted	Amended	Status
1	Argentina	AR	Servicio de Hidrografía Naval (SHN)	1	AR	2019-10-16	2019-09-03	Valid
2	Australia	AU	Australian Hydrographic Office (AHO)	10	AU	2017-12-31	2020-08-12	Valid
3	Bahian	BR	Hydrographic Survey Office	20	BR	2008-10-16	-	Valid
4	Bangladesh	BD	Hydrographic Department	800	BD	2008-10-16	-	Valid
5	Belgian	BE	MSK - Atlasing Kust - Division Coast	30	BE	2008-10-16	-	Valid
6	Brazil	BR	Directorate of Hydrography and Navigation	40	BR	2008-10-16	-	Valid
7	Canada	CA	Canadian Hydrographic Service (CHS)	70	CA	2008-10-16	-	Valid
8	Canada	CA	Canadian Forces	81	CA	2008-10-16	-	Valid
9	Chile	CL	Servicio Hidrográfico y Oceanográfico	90	CL	2008-10-16	-	Valid
10	China	CN	Maritime Safety Administration (MSA)	10	CN	2008-10-16	-	Valid
11	China	CN	The Navigation Guarantee Department	31	C1	2008-10-16	-	Valid
12	China	CN	Hong Kong Special Administrative Region	72	C2	2008-10-16	-	Valid
13	China	CN	Macao Special Administrative Region	73	C3	2008-10-16	-	Valid
14	Colombia	CO	Ministerio de Defensa Nacional	760	CO	2008-10-16	-	Valid
15	Congo (Dem. Rep.)	CD	Ministère des Transports et de Commerce	500	CD	2008-10-16	-	Valid
16	Croatia	HR	Hydrografska misija Hrvatske	80	HR	2008-10-16	-	Valid

**IHO S-62**

**List of Data Producer Codes**

**Cumulative List of Changes**

NOTE: This cumulative list shows the most recent change at the top of the list.

- 29 March 2022: - New "Other Organization" entry (8U) included for the Hydrographic Science Research Center, The University of Southern Mississippi.
- 14 January 2022: - Republic of Angola becomes new IHO Member State. Entry for Angola amended from "Other States" to "IHO Member States".
- 11 January 2022: - New "Other Organization" entry (8N) included for NAUTITEC GmbH & Co. KG.
- 19 December 2021: - Agency Code EE: Agency Name for former "Estonian Maritime Administration (EMA)" amended to "Estonian Transport Administration (ETA)".
- Republic of Iraq becomes new IHO Member State. Entry "Marine Department, General Company for Iraqi Ports" amended from "Other States" to "IHO Member States".
- 06 December 2021: - New "Other Organization" entry (8M) included for Maptech Ltd.
- 13 July 2021: - Agency Code LB: Agency Name for former "Mistry of Public Works & Transport" amended to "Libanese Navy Hydrographic Service".
- 01 July 2021: - Kenya becomes new IHO Member State. Entry "Survey of Kenya, Kenya Ports Authority" amended from "Other States" to "IHO Member States".
- 28 June 2021: - Agency Code 3N: Agency Name for former "Tridentnav Systems" amended to "Raymarine Ltd".
- 28 May 2021: - New "IHO Member States" (Denmark) entry (D2) added for Agency Undervisningsvesen (Faroe Islands).
- 10 May 2021: - New "Other Organization" entry (3L) included for Lloyd's Register Voyage AS.
- Incomplete categorisation of Non-IHO Producer: Entry for Port de Barcelona, España amended from "IHO Member States" to "Other Organization".
- 24 February 2021: - New "Other Organization" entry (8M) included for MORIS LLC (Marine and River Information Systems LLC).
- 19 January 2021: - Lebanon becomes new IHO Member State. Entry amended from "Other States" to "IHO Member States".

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# PRINCIPAL ACTIVITIES AND ACHIEVEMENTS (2)

## • Outreach (Ongoing)

- Engage with all Registry Stakeholders on the role and functionality of the IHO GI Registry; resolve remaining conflicts in Registry content (in progress)
- Domain Control Body (DCB) Workshop held February 2022
- Workshop to discuss the technical details of providing a connection between the GI Registry and the IHO Hydrographic Dictionary Database – February 2022. Agreed to a way forward (in progress)
- Educational sessions; 2<sup>nd</sup> IHO GI Registry Workshop (12-14 December 2022 - TBC)

## • Statistics:

- Concept register: 7715 valid items (+394 - NOTE: Items still to be registered for PSs – S-124, S-131, IEC)
- Data Dictionary Register: 366 Features; 26 Information; 670 Attributes (+3); 92 Complex Attributes; 2278 Enumerates (+5); 117 Codelist Values
- Portrayal Register: 1017 Symbol/Line/Area Fill (+2); 313 Portrayal Management items (+4)
- Product Specification Register: 12 (published) (+3); 7 (in development (testbed)) (+1)
- Producer Code Register: 397 items (+5)

The image displays several screenshots of the IHO GI Registry web interface. The main screenshot shows a table of features with columns for Item ID, Name, Definition, Domain, Status, and Date Accepted. The table lists various hydrographic features such as 'Vertical Datum of Data', 'Zone of Confidence', 'Spatial Accuracy', 'Display Uncertainties', 'New Danger Marking', 'Buoys New Danger Marking', 'Active Submarine Hazards', 'Weather Hazard', 'Bog', 'MSD', 'SOLAS', 'ENC Test Data Set', 'Encapsulation', 'Encoding Conventions', 'Exchange Format', 'Exchange Set', 'Face', 'Feature', 'Feature Object', and 'Feature Record'. The interface includes navigation menus on the left and top, and a search bar at the top right.

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# PROBLEMS ENCOUNTERED

International Hydrographic Organization

- Domain Control Body (DCB) processes – further discussion required:
  - Procedure for 60 day review period expiry (interface);
  - Clarification of accept/reject process (use of “supplement”);
  - What constitutes “rejection” of a proposal by the DCB?

IHO Geospatial Information Registry

Concept Register

Progress: Transferred

Proposal Status

RM	DCB	Name	Action	Date
IHO Secretariat	Jeff Wootton	transfer	03:06:02 PM / 2022-04-05	
WMO	Hillary Fort	Not yet determined	-	
IALA	Minsu Jeon	Not yet determined	-	
IEC	Kim Fisher	Not yet determined	-	
IENC	Denise LaDue	Not yet determined	-	
IHO Secretariat	Jeff Wootton	accept	03:26:04 PM / 2022-04-05	
IHO (S-100WG)	Lindsay Perryman	Not yet determined	-	
IHO (S-100WG)	Elizabeth Hahessy	Not yet determined	-	

SO : Raphael Malyankar [SO]

LIST

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KHOA Acknowledgements

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## **ACTIONS REQUESTED OF HSSC**

International  
Hydrographic  
Organization

- Note this report.
- Acknowledge the continuing significant support of KHOA in the ongoing development and maintenance of the IHO GI Registry.



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## **FURTHER INFORMATION**

International  
Hydrographic  
Organization

<http://registry.iho.int/main/main.do>

Contact IHO GI Register Manager:

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