**14th IHO-HSSC Meeting**

## Report and Recommendations of the Hydrographic Dictionary Working Group

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| ***Submitted by:*** | Chairman, HDWG |
| ***Related Documents:*** | S-32 |
| ***Related Projects:*** | None |

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| *Chair:* | Jean Laporte, France |
| *Vice-Chair:* | “Susie” Lyu Yu Xiao, China |
| *Secretary:* | Sam Harper, IHO |
| *Member States:* | Canada, China, France, Indonesia, Korea, India, Italy, Oman, Spain, USA. |
| *Expert Contributors:* | Jeff Wooton (S-100 Registry Manager) – Yong Baek (IHO Database Advisor) |
|  | *See Annex A for full details on HDWG membership* *Annex B for workplan 2022– 2023* |

## Foreword

The Hydrographic Dictionary Working Group (HDWG), which is tasked by the IHO Hydrographic Services and Standards Committee (HSSC) to review and propose updates to the hydrographic definitions contained in IHO publication S-32 - Hydrographic Dictionary, has not met since its 2nd meeting (HDWG2) at the IHO Secretariat, Monaco, from 27 to 28 November 2018 under the chairmanship of Mr Jean Laporte (France).

## Meetings Held During Reporting Period

* On the 3rd of February 2022 an HD/GI Registry Workshop was held under the chairmanship of the Assistant Director Yong Baek and attended by HDWG Chair and participants from China MSA and Korea KHOA’s Registry team.

This workshop discussed the workflow of IHO Hydrographic Dictionary system and requirements for the Interface between Hydrographic Dictionary System and IHO GI Registry. It is confirmed after the workshop that Korea will develop the GI Registry to be available for connecting to HD system. And China will complete the linkage between the two systems according to the development progress.

* 26th of April 2022; VTC on the introduction of the neologism “Hydrospatial”.

**Next Meeting**

It is the intention to hold HDWG3 later in 2022 in Europe. A venue and host is currently being explored, with the IHO Secretariat, Monaco being the backup if an alternative cannot be found. China MSA has reconfirmed its intention to host a HDWG meeting the future, as and when domestic COVID policy allows. Tentative agenda is as follows:

* + Appointment of new Chairperson (Ms “Susie” Lyu Yu Xiao, China)
	+ HD Status (IHO reference – Transition to S-100 GI Registry – International reference or just a dictionary for Hydrographers?)
	+ Extension of the International Hydrographic Dictionary beyond traditional terms to include concepts such as “Hydrospatial”
	+ National versions’ challenges (Choice between full HD version or simple option limited to the translation of terms)
	+ HDWG Work plan (2022-2023?)
	+ HDWG organisation, reinvigoration and chairmanship
	+ AOB and next meeting

## Work Program

See 2022 – 2023 updated workplan at Annex B

## Progress on HSSC Action Items

Action Item HSSC13/63 is in progress, in liaison with Jeff Wooton and Yong Baek. All new terms or modifications derived from Hydrographic Dictionary shall be registered in Concept Register in GI Registry and go through approval process conducted by Domain Control Body. Those WGs and organizations that are not Concept Registry Submitting Organizations, when submitting new terms to the Hydrographic Dictionary, please download and use Proposal form to the Concept register and the FCB, see [**https://registry.iho.int/repository/list.do**](https://registry.iho.int/repository/list.do). The Update Application of Hydrographic Dictionary in Multilingual Languages (testing) developed by China MSA see **http://hdwg.nhhb.org.cn/dictionary-application.**

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| Agenda item | Subject | Action No | Actions | Target/Date/Event | Status |
| 5.8 | HDWG-3, 2021 | HSSC13/61 former HSSC12/59) | HSSC supports the principle of aface-to-face meeting in 2021 |  | Decision |
| 5.8 | HydrographicDictionary,EncyclopaedicStructure | HSSC13/62(former HSSC12/60) | HSSC confirmed the principle of maintaining the Hydrographic Dictionary in its present encyclopaedic structure rather than downgrading it to a simpler glossary. |  | Decision |
| 5.8 | HD and Registry | HSSC13/63 | HSSC encouraged continuation of the testing effort of the S-32 IHO Hydrographic Dictionary database with the IHO GI Registry through the Concept Registry Domain Control Body. | HSSC14 |  |

## Problems Encountered

* Declining commitment from essential members
* Teamwork severely affected by the current pandemics

## Any Other Items of Note

* The planned HDWG3 meeting in November 2020 in Guangzhou, China was initially reassigned to 2022 or 2023 due to Covid-19. However, given the enduring travel restrictions in place, HDWG3 will be held in Europe later in 2022 – venue and dates to be decided.

## Conclusions and Recommended Actions

* HSSC support to the 3rd HDWG meeting in Europe will be most appreciated due to the major changes envisaged at this stage, despite adverse circumstances.

## Justification and Impacts

None

## Action Required of HSSC 14

The HSSC is invited to:

1. **note** this report;
2. **encourage** continuation of the harmonisation effort of the S-32 IHO Hydrographic Dictionary database with the IHO GI Registry through the Concept Registry Domain Control Body;
3. **support** the convening of the 3rd HDWG conference in 2022 in Europe
4. **appoint** the HDWG to continue its work under the current ToRs and RoPs;
5. **approve** the work plan at Annex B; and

d. **invite member states** to appoint new WG members and guarantee their effective participation to the HDWG workplan and future meetings.

**HDWG Membership (to be checked, corrected and simplified)**

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| **Member State** | **Organization** | **Name** | **E-mail (correspondence)** |
| Argentina | Servicio de Hidrografia Naval (SHN) | Maria Alejandra Allignani | mallignani@hidro.gov.ar |
| Canada | Canadian Hydrographic Service (CHS) | Peter J M Alexander | Peter.Alexander@dfo-mpo.gc.ca |
| China | Marine Safety Administration (MSA) | Lyu Yuxiao (HDWG vice-Chair) | 38893531@qq.com |
| France | ARGANS Ltd. (on behalf of SHOM) | Jean Laporte (HDWG Chair) | JLaporte@argans.co.uk |
| India | India National Hydrographic Office | Mr R J Kushwaha | ia-inho@navy.gov.in |
| Indonesia | Indonesian Navy Hydrographic and Oceanographic Centre (PUSHIDROSAL) | RADM Yanuar Handwiono | handwionoy@gmail.com |
| Italy | Istituto Idrografico della Marina (IIM) | Anna Maria Biavasco | a\_biavasco@marina.difesa.it |
| Republic of Korea | Korea Hydrographic and Oceanographic Agency (KHOA) | Aeri YuHak-Yeol (Peter) You | aeriyu@korea.krpeterhak@korea.kr |
| Oman | Oman National Hydrographic Office (ONHO) | Khalil el Jabri | onho@mod.gov.om |
| Spain | Instituto Hidrografico de la Marina (IMN) | Juan Manzano | jmanru2@fn.mde.es |
| USA | National Geospatial-Intelligence Agency (NGA) | Al Armstrong | Albert.E.Armstrong@nga.mil |
| USA | National Geospatial-Intelligence Agency (NGA) | Will Newsham | William.A.Newsham@nga.mil |
| IHO | IHO Secretariat | Sam Harper (HDWG Secretary) | adso@iho.int |
| IHO | IHO Peru Associate Professional Officer | Javier Fernandez | pop@iho.int |
| IHO Expert Contributor | IHO Assistant Director, Database Advisor | Yong Baek | addt@iho.int |
| IHO Expert Contributor | S-100 GI Registry Manager | Jeff Wootton | tsso@iho.int |

**xx. HDWG WORK PLAN 2022-23**

xx.1 HDWG tasks

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| A | Maintain and extend the definitions in the IHO S-32 Hydrographic Dictionary |
| B | Liaise with other IHO bodies preparing publications containing glossaries |
| C | Liaise with other organizations developing dictionaries and/or glossaries |
| D | Develop a digital structure and database application to support the IHO S-32 Hydrographic Dictionary Registry on-line version |

| **Task**  | **Work item** | **Priority**H-highM-mediumL-low | **Next milestone** | **Start****Date** | **End****Date** | **Status**P-plannedO-ongoingC-completed | **Contact Person(s)****\* indicates leader** | **Related Pubs / Standard** | **Remarks** |
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| A.1 | Review all terms currently included in S-32 for their relevance in accordance with the S-32 Business Rules and propose which definitions should be removed from S-32 | M | a. Terms a – db. Terms e – lc. Terms m – rd. Terms s – z | 2018202220222022 | 2020202320232023 | CPPP | Jean Laporte | S-32 | * The first milestone (a) achieved by Chairman has required over 160 working hours.
* Suppression of terms based on database frequency
 |
| A.2 | Complete the HD Arabic national version | H |  | 2018 | ? | O | Khalil el Jabri | S-32 | Considering the time it would take to complete this major endeavour, limiting the first version to the translation of terms, not full definitions, could be considered. |
| A.3 | Update the French version  | M |  | 2020 | ? | P | Jean Laporte  | S-32 | * Only if confirmed by Shom
 |
| B | Korean HD national version | H |  | 2020 | ? | P | Sam Harper | S-32 |  |
| D | Harmonize the S-32 IHO Hydrographic Dictionary database with the IHO GI Registry through the Concept Registry Domain Control Body | H |  | 2020 | 2020-2021 | O | Lyu Yuxiao | S-32 | In progress, Korea will develop the GI Registry to be available for connecting to HD system. And China will complete the linkage between the two systems according to the development progress. |

**xx.2 HDWG Meetings** (IHO WP task 2.8.2 refers)

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| **Date**  | **Location** | **Activity** |
| 25-26 July 2017 | London, UK | HDWG1 |
| 27-28 November 2018 | IHO, Monaco | HDWG2 |
| 3 February 2022 | HD/GI Registry Workshop | VTC |
| 26 April 2022 | Discussion on Hydrospatial | VTC |
| 2022  | Europe, TBC. | HDWG3 |