

# Hydrographic Services and Standards Committee

## Report by the Hydrographic Dictionary Working Group

### *New strategy and new format proposal*



# Principal activities and achievements

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- At HSSC8, the HDWG Chairman lamented for the Member States' lack of contribution to the most popular IHO publication: the HD dictionary.
- A new policy and format change was then submitted to HSSC8, but the US noted that no-one had a chance to discuss the new policy and recommended that it should be approved by the HD Working Group first.
- As a result, the WG met in London for the first time in 15 years, with the active support of the IHO Secretariat and the participation of Argentina, France and the US/NGA, representing the IHO three working languages.



# The HDWG 25/26th of July meeting

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The HDWG London meeting achieved the following results:

- Review and updating of the HDWG Terms of Reference,
- review and updating of the HDWG Business rules,
- agreement on a symmetrical architecture and Database application valid for both the S-32 HD Registry and the S-100 Registry,
- agreement on the HD content and distribution of terms according to their IHO relevance,
- agreement on the way-ahead to be submitted to HSSC9.



# The HD Challenges

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To meet its challenges, the HDWG needs:

- to be able to complete its yearly programme target, in spite of resource shortage,
- to cater for new requirements (S-100 Registry),
- to be less prone to ambiguities,
- to be less European centred (languages...),
- to maintain its present momentum by resuming face-to-face meetings.



# ToRs' new principles

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- Unique IHO reference.
- Optional translations in an unlimited number of languages, under National HOs' responsibility.
- Ingestion of all unambiguous terms contained into the IHO Geospatial Information Items (GII S-100) registry.
- Member states may decide to develop a full synoptic dictionary in their national language, or only a list of terms associated to the IHO definition, or be content with the IHO reference.



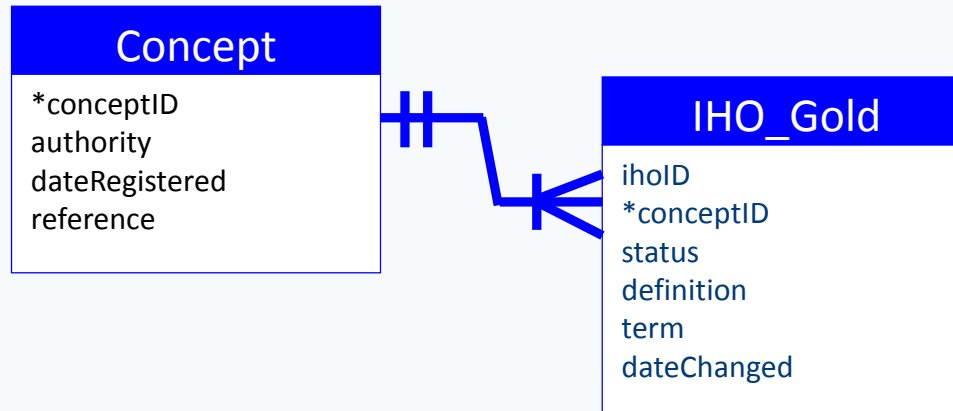
# Unique IHO reference

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- One IHO practical language only
- Optional translations in an unlimited number of languages, under National HOs' control and responsibility
- All HD policy papers will remain translated into the IHO official languages



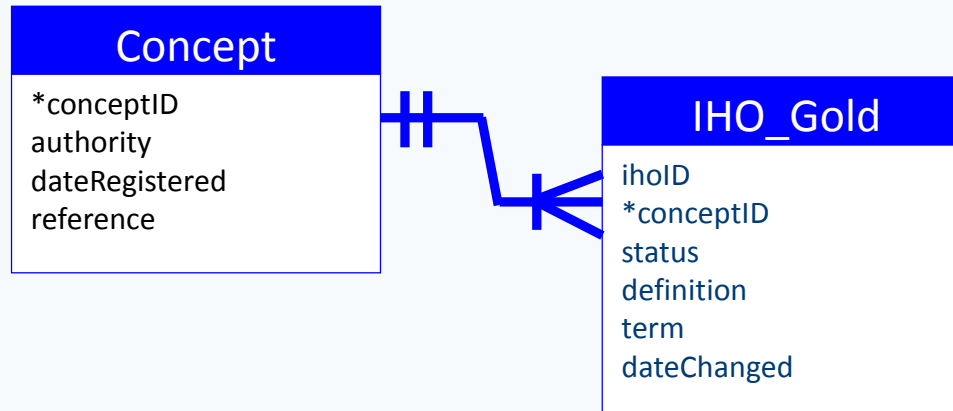
# S-32 & S-100 Registries: Database Structure & Schema



Database table: Concept (parent table that includes metadata)		
<u>Name</u>	<u>Description</u>	<u>Note</u>
conceptID	Unique identifier	Mandatory field (is linked to IHO_Gold: conceptID)
Authority	Originator of the concept	data field
Reference	Reference to the source information – if appropriate	text



# S-32 & S-100 Registries: Database Structure & Schema



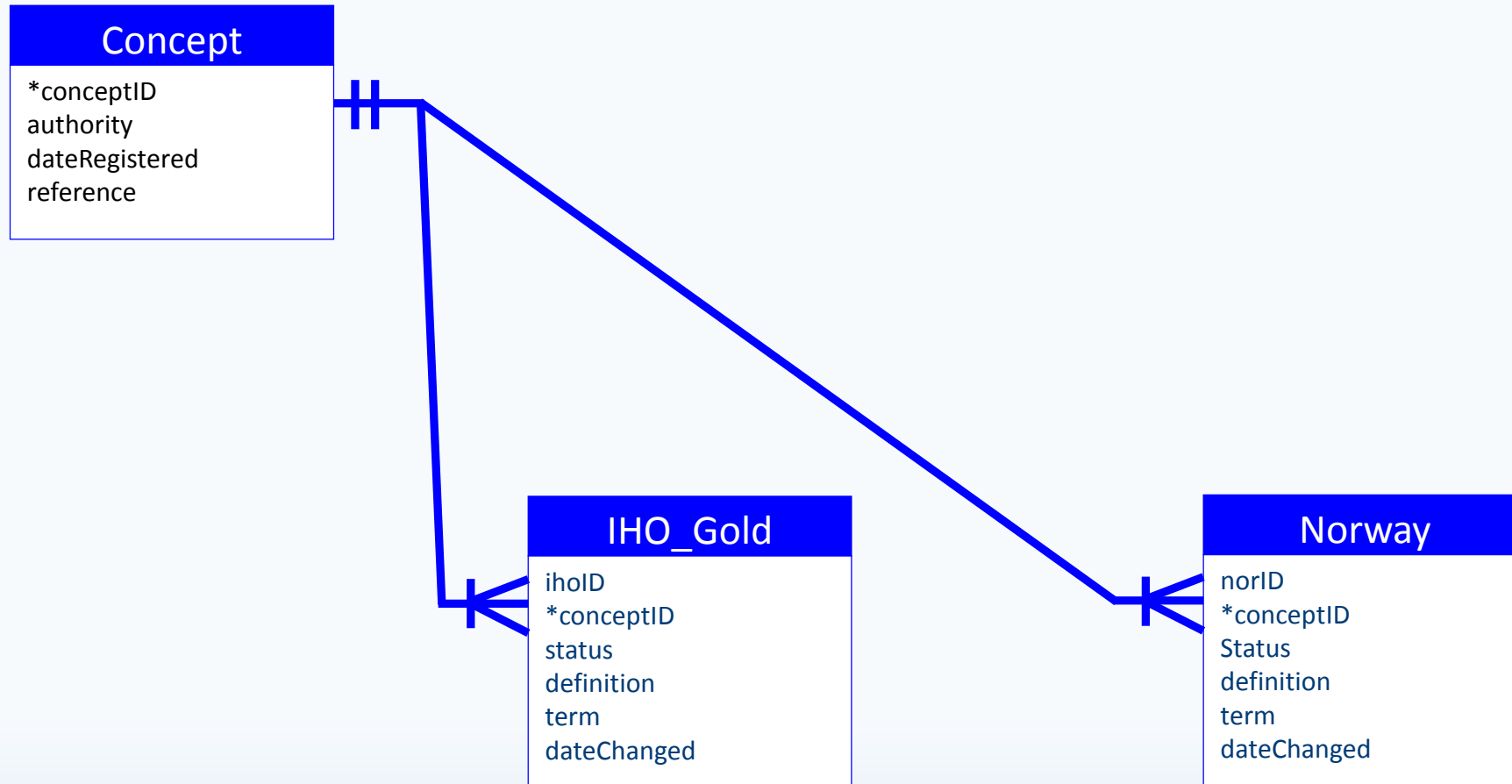
Database table: IHO\_Gold (sibling table)

<u>Name</u>	<u>Description</u>	<u>Note</u>
ihold	Unique identifier for this table	
conceptID	Unique identifier from Concept table	Mandatory field
Status	Status of the concept in the database	Enumeration list: 1=proposed, 2= valid, 3=superseded, 4=retired
Definition	Concept definition	text
Term	term	text
dateChanged	Date when the producer last changed	date format





# S-32 & S-100 Registries: Database Structure & Schema



# S-32 Hydrographic Dictionary user requirements

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- Modern design
- Clear
- Reliable
- Accurate
- Easy to update
- Less prone to ambiguities
- Suitable for managing multilingual references

So, it is necessary to characterize the S-32 Hydrographic Dictionary Registry content

How?

CATEGORIES



Specific Branch of Knowledge for each one



# HD terms and definitions distributed along 4 Categories

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1. IHO-Specific terms and definitions:
  - Updating under HDWG responsibility
  - Printed in bold letters
  - Adjunction of an attribute to characterise the Hydrographic subsection
2. Borrowed Terms (relevant to Hydrography but borrowed from other Branches of Knowledge):
  - No HDWG responsibility for updating
  - Efforts to liaise with the Organization owning the Branch of Knowledge
  - Adjunction of an attribute to characterise the Branch of Knowledge
3. Historical Terms (belonging to, or relevant to Hydrography but not longer in use)
  - No HDWG responsibility for updating
  - To be kept for historical reasons.
4. Incongruent Terms (which have become irrelevant or can be considered to be short-lived)
  - No HDWG responsibility for updating
  - To be retired



# S-32 Register new content

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- This new content will be used to populate a dictionary database with certain Registry characteristics.
- Each item in the Registry is described by a unique, clear and unambiguous definition.
- Each definition must have an associated term (or terms) and a unique identifier.

The creation of additional **Attributes** will help to

Facilitate the use of the dictionary database

Avoid ambiguities

Clean up anomalies

Link equivalent terms across different Languages



# Problems or outstanding issues

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- **The only outstanding issue is the Member State's lack of commitment.**
- **It is agreed that the HDWG must work by correspondence, but its members must meet occasionally to know each other like they just did in London.**
- **An ideal participation should include a representative of the IHO 3 working languages plus a member of the large and influential EAHC to represent non Roman-based scripts.**



# Future work programme

Work Item		Start	End	Obs
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	<b>1. Terms</b> a – d	2018	2019	Jean Laporte and HDWG
	<b>2. Terms</b> e – l	2018	2019	
	<b>3. Terms</b> m – r	2018	2020	
	<b>3. Terms</b> s – z	2018	2020	
Develop structure and database application to support the on-line dictionary		2017	2018	Al Armstrong and IHO Secretariat



# Action requested of HSSC

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## **The HSSC is invited:**

- a. To note the HDWG report;**
- b. approve the proposed amendments to the Terms of Reference and Business Rules;**
- c. re-appoint the HDWG to continue its work on the approved programme under the revised terms;**
- d. invite member states to appoint new WG members and guarantee their effective participation to the HDWG work plan and future meetings.**



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FIG/IHO/ICA Cat. A

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