

- Registry Ingest update
- Feature Catalogue / DCEG development
- Reviews of documentation
- Structure of S-100 Product Specification
- Way forward / Plan

# Registry Ingest

- In order to baseline the S-121 product specification we need to upload the feature details into the registry
- This allows features to be
  - Defined
  - Visible to implementers
  - Interoperable with other PS
- GI registry is a formal IHO structure
- Managed under IHO S-99 procedures



The screenshot displays the IHO Geospatial Information Registry website. The header includes the IHO logo and the text "IHO Geospatial Information Registry" and "KHOA of ROK". The navigation menu has tabs for HOME, INTRODUCTION, GI REGISTERS, PROPOSAL, and Beta Registry. The main content area is titled "Welcome to the S-100 Geospatial Information Registry (Version 2.1)". Below the welcome message, there is a paragraph explaining the registry's ownership and purpose, followed by a paragraph about access and submission procedures. At the bottom, there are two expandable tables:

Feature Concept Dictionary Register according to S-100				
No.	Type	Valid	Superseded	Retired
1	Feature Type	333	308	288
2	Information Type	20	1	0
3	Simple Attribute Type	573	229	158
4	Enumerated Type	3387	751	325
5	Complex Attribute Type	85	66	40
6	Code List Type	9	1	11
7	Code List Value Type	84	2	92

Portrayal Register				
No.	Type	Valid	Superseded	Retired
1	Symbol	582	0	0
2	Line Style	55	0	0
3	Area Fill	26	0	0
4	Font	5	0	0

- Process for update is to submit all details of
  - Features – definitions
  - Attributes, simple and complex
  - Information types
  - Associations
- Documentation provided to aid the process is the data classification and encoding guide (DCEG)

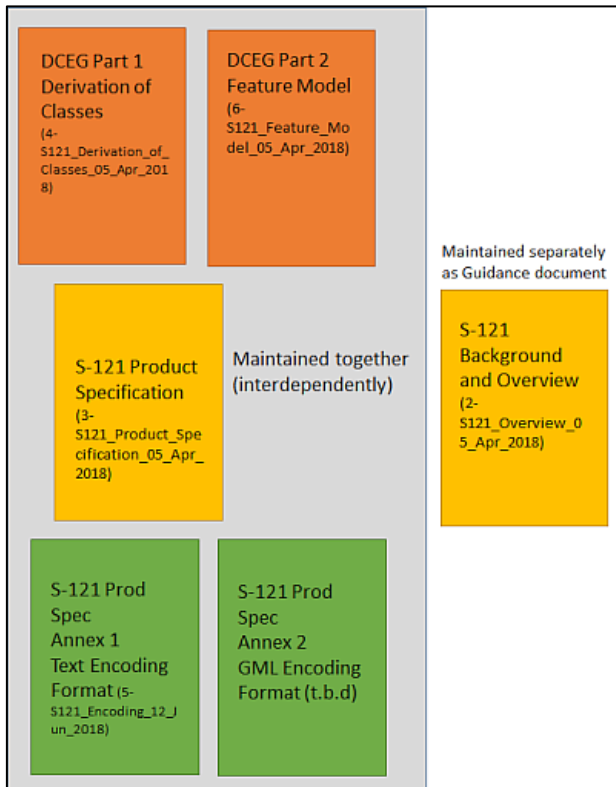
# Feature Catalogue

- Enables creation of data by third party tools, e.g ESRI, Caris
- FC is output directly from Registry when features are inserted and baselined

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <S100_FC FeatureCatalogue xmlns="http://www.iho.int/S100FC" xmlns:ns2="http://www.i
3 <name>S-121</name>
4 <scope>Ocean, Coastal, Ports and Harbors. Excludes Inland waters.</scope>
5 <fieldOfApplication>Maritime Limits and Boundaries</fieldOfApplication>
6 <versionNumber>0.7.5-20181120</versionNumber>
7 <versionDate>2018-11-20</versionDate>
8 <producer>
9 <individualName>Jonathan Pritchard</individualName>
10 <organisationName>International Hydrographic Organization / IIC Technologie
11 <positionName>S-121 Project Team</positionName>
12 <role>pointOfContact</role>
13 </producer>
14 <S100_FC SimpleAttributes>
15 <S100_FC SimpleAttribute>
16 <name>Point Type</name>
17 <definition>Type of point</definition>
18 <code>pointType</code>
19 <remarks>.</remarks>
20 <alias>Type of point</alias>
21 <valueType>enumeration</valueType>
22 <listedValues>
23 <listedValue>
24 <label>defined</label>
25 <definition>A defined point</definition>
26 <code>1</code>
27 </listedValue>
28 <listedValue>
```

# Documentation structure

- Proposed new document structure
- Existing Structure



The following documents have been produced by the S-121 Project Team for evaluation

	Proposed new document structure and format
	<a href="#">S-121 Product Specification</a>
	<a href="#">S-121 DCEG Part 1</a>
	<a href="#">S-121 DCEG Part 2</a>
	<a href="#">S121 Annex A Text Encoding Format</a>
	<b><a href="#">Files (1-8) below as Compressed (.ZIP) format</a></b>
1	<a href="#">Cover Page</a> (Word)
2	<a href="#">Overview</a> (Word)
3	<a href="#">Main Product Specification Document</a> (Word)
4	<a href="#">Derivation of Classes</a> (Word)
5	<a href="#">Encoding</a> (Word)
6	<a href="#">Feature Model</a> (Word)
7	<a href="#">Governance Structure</a> (Word)
8	<a href="#">MLB Features</a> (Word)
	<a href="#">MLB Comment Form</a> (Word)
<b>Additional Information</b>	
	<a href="#">S-121 WIKI Information Site</a>

# Status - timeline

- December
  - Finish construction of DCEG document (mid-December)
  - Ingest to IHO registry (end December)
  - Draft XML feature catalogue to support OGC pilot project (mid-December). Now at version 0.75. Needs information types, associations and multiplicities completing for 1.0 release.
  - Official feature catalogue when feature ingest is complete. Post-December
- December – February
  - Re-structuring/formatting of documentation in line with IHO product spec templates. IHO and JP.
  - Suggest placeholders where gaps or required enhancements are identified between S-100 PS template and existing documentation, e.g. persistent unique identifiers / MRNs, Data Quality processes etc...
  - To be presented to IHO S-100WG at end of February and should generate outputs for further review.
  - Review and update of initial feature catalogue and DCEG for 1.0.0
- End February
  - IHO S-100WG – opportunity to report on 1.0.0 status, OGC pilot and future timeline.