Paper for Consideration by [S-100WG2/S-101PT2]

[S-101 Feature Catalogue Version 0.9.0]

Submitted by:	S-100WG Vice Chair / KHOA
Executive Summary:	This paper reports on the updated S-101 Feature Catalogue version 0.9.0 which is based on S-101 DCEG baseline 0.2.0.
Related Documents:	S-101PT1-4.3 and S-101 DCEG
Related Projects:	S-101 Project Team

Introduction / Background

S-101 Project Team has revised the baseline 0.2.0 version of S-101 Data Classification and Encoding Guide (DCEG) to incorporate S-100 feature catalogue data model and its improved contents and to rectify inconsistency with IHO Feature Concept Dictionary (FCD). Features of the DCEG are also uploaded to the Hydro domain of the FCD in order to create S-101 Feature Catalogue (FC).

This paper will report the outcome of revising S-101 FC version 0.9.0 and provide the FC for the S-100 Test Bed activity.

Analysis/Discussion

In order to produce S-101 FC, S-100 Feature Catalogue Builder (FCB) 2.0.0 and feature data from the FCD dated at the end of January 2017 have been used.

This paper will also document the following remaining items to the FCD, DCEG and FC which need additional work.

No.	Feature name	FCD	DCEG	FC
1	Local direction of buoyage	Feature type		
2	Update information			Feature association
3	Land region	categoryofLandRegion value 20		
4	Distance mark	Distance of unit measurement value 2	Distance unit of measurement→Distance of unit measurement	
5	Tidal stream panel data	Subattribute "velocityMaximum"→"speed Maximum"		
6	Sounding	Technique of vertical measurement value		
7	Dredged area		Swimming prohibited 39→38	
8	Marine farm/culture		Swimming prohibited 39→38	
9	Cable area		Swimming prohibited 39→38	
10	Pipeline submarine/on land	Category of pipelinepipe value 4	Swimming prohibited 39→38	Category of pipelinepipe value 4
11	Submarine pipeline area	Category of pipelinepipe value 4	Swimming prohibited 39→38	Category of pipelinepipe value 4
12	Offshore production area		Swimming prohibited 39→38	
13	Fairway	Association name and role	Swimming prohibited 39→38	Association binding
14	Fairway systems	Association name		Association binding
15	Anchorage area		Swimming prohibited 39→38	
16	Seaplane landing area		Swimming prohibited 39→38	
17	Military practice area		Swimming prohibited 39→38	

18	Cargo transhipment area		Swimming prohibited 39→38	
19	Fishing ground		Swimming prohibited 39→38	
20	Pilotage district	Association name		Association binding
21	Restricted area navigational	Vessel speed limit		Update "vessel speed limit" complex attribute
22	Restricted area regulatory		Swimming prohibited 39→38	
23	Light all around		Bridge Deep Water Route→Bridge, Deep Water Route Duplicate "Traffic Separation Scheme"	
24	Light sectored	"sector limit" of the light sector complex	Bridge Deep Water Route→Bridge, Deep Water Route Duplicate "Traffic Separation Scheme"	
25	Radio station	"Frequency pair" complex attribute		
26	Pilot boarding place	Association name		Association binding
27	Text placement	"All Geo Features" feature type		Association binding
28	Contact details	Telecommunication service under Telecommunication complex		

The above remaining items were caused while processing the registry work and they require improving the functionality of S-100 FCB such as adding association names and roles.

Conclusions

The S-101 FC has been revised to version 0.9.0 to comply with the DCEG baseline 0.2.0. Once the remaining items are resolved, the FC will be updated accordingly.

Recommendations

It is recommended to resolve the remaining items and provide feedback to the FC if necessary.

Justification and Impacts

In order to resolve the items, it should include:

- Propose a new/modification to the GI Feature Concept Dictionary
- Editorial changes to the DCEG baseline 0.2.0
- Additional functionality to the FCB 2.0.0

Actions Required of [S-100WG and S-101PT WG]

The S-101PT/S-100WG are invited to:

a.   note the revised S-101 FC 0.9.0

b.   resolve the remaining items and provide any other feedback