Paper for consideration by SNPWG16

Overview of the wiki work status

Submitted by:	SNPWG Chairgroup
Executive Summary:	Introduction of the current work status of the SNPWG wiki
Related Documents:	http://www.fuerstenberg-dhg.de/mediawiki/index.php/Main_Page
Related Projects:	SNPWG future product specifications; S100

Introduction / Background

The IHO introduced a registry based on S-100 in 2010. Although the SNPWG data model is at a very stable status, due to missing functionalities, the SNPWG objects and attributes are not sufficiently populated in the IHO Registry. Instead, the SNPWG has stored their relevant objects and attributes on the SNPWG wiki.

Analysis/Discussion

Actually, the SNPWG wiki contains:

Geographic Features	31
Proposed Geographic Features	0
Information Features	10
Proposed Information Features	0
Complex Attributes	16
Proposed Complex Attributes	4
Simple Attributes	153
Proposed Simple Attributes	11

The wiki entries are being made in a way which heavily supports the product specification development in progress. In contrast to the IHO Registry, the wiki features contain information about their associated information features and attributes.

Additionally, the wiki contains additional information such as UML diagrams, test data sets and mapping examples.

The following information pertains to the proposed complex attributes and their respective status of progress:

SourceIndication (Source Indication)

SubAttributes:

Name	AlphaCode	CamelCase	Multiplicity	Sequential
Source Type	SORTYP	sourceType	0..1	n/a
Source	SOURCE	source	0..1	n/a
Reported date	REPDAT	reportedDate	0..1	n/a
Country	CONTRY	country	0..1	n/a
Object Name	name	name	0..1	n/a
Category of Authority	CATAUT	categoryOfAuthority	0..1	n/a

Except for Reported date on which TSMAD decisions are expected, all sub attributes have been modelled. The initially proposed ID Code was discontinued to avoid duplication of information with the existing attribute Source.

GRAPHC (Graphic)
SubAttributes:

Name	AlphaCode	CamelCase	Multiplicity	Sequential
Pictorial representation	PICREP	picrep	1..*	n/a
Picture caption	PICCAP	pictureCaption	0..1	n/a
Source date	SORDAT	sourceDate	0..1	n/a
Source indicator	SORIND	sourceIndicator	0..1	n/a
Picture information	PICINF	pictureInformation	0..1	n/a
Bearing information	BRGINF	bearingInformation	0..1	n/a

All attributes were modelled. SORDAT and SORIND might by affected by changes currently under development by TSAMD.

TXTCON (Text Content)
SubAttributes:

Name	AlphaCode	CamelCase	Multiplicity	Sequential
Category of text	CATTXT	categoryOfText	1	n/a
Language	LANGGE	language	0..1	n/a
Headline	HEADLN	headline	0..1	n/a
Textual description (file name)	TXTDSC	textualDescription	0..1	n/a
Internet Address (pending)	ADRNET	internetAddress	0..1	n/a
File locator	FILLOC	fileLocator	0..1	n/a
Information(text)	INFORM	information	0..1	n/a
tbd	SORIND???	sourceIndication/sourceCitation	0..1	n/a

Except for SORIND???, all attributes were modelled. SORIND??? might be replaced by the complex attribute **SourceIndication**.

BRGINF (Bearing information)
SubAttributes: (**Proposal (((((to be discussed and to be completed)))))**

Name	AlphaCode	CamelCase	Multiplicity	Sequential
Cardinal Directions	CARDIR	cardinalDirections	0..1	n/a
Direction	??????	Direction	0..1	n/a
Sector limit one	SECTR1	sectorLimitOne	0..1	n/a
Sector limit two	SECTR2	sectorLimitTwo	0..1	n/a
Orientation	ORIENT	orientation	0..1	n/a
Distance	??????	distance	0..1	n/a

Information	INFORM	information	0..1	n/a
Information of extension if fuzzy?????	???????	??????????	0..1	n/a

The main purpose of this complex attribute would be the description of a picture, sketch or diagram providing the mariner with information on how the coastline would look when approaching from a particular direction. Except from CARDIR and INFORM, not much work was done on this complex attribute.

Conclusions

The proposed complex attributes are considered necessary to model NPUB information sufficiently. The latter complex attribute is for discussion. The meeting has to consider carefully if all information requested to model bearing information is captured. Importantly, the complex attribute should reflect the reality and not what could potentially be possible or hypothetically desired.

Recommendations

SNPWG16 is invited to review the complex attributes and to decide how to continue with the wiki entries.

Justification and Impacts

It is obvious that the wiki entries should be transferred to the IHO Registry. Discontinuing the wiki work at the current stage would cause severe problems due to missing functionalities at the IHO registry. Continuing the wiki work would have no significant impact on the current work level or level of engagement.

Action required of SNPWG16

The SNPWG16 is invited to:

      a.   note this paper.

      b.   support the wiki work.