[S-102PT15-2]

Paper for Consideration by S-102PT

Uncertainty registration

Submitted by:	Germany (BSH)
Executive Summary:	Missing registration of uncertainty in bathymetry coverage
Related Documents:	S-102 ed. 2.3.0, IHO Registry – Data Dictionary Register, IHO Registry – Concept Register
Related Projects:	S-102

Introduction / Background

While preparing for the PT15 meeting, we came across a difference in the IHO concept register from the S-102 product specification. The IHO concept register describes the implementation concepts for the S-100 and has a direct link to the data dictionary register that describes the concrete implementation.
https://registry.iho.int

Analysis/Discussion

Figure 1 shows a screenshot of the IHO Concept Register. It can be noted from the figure that this is the correct concept for storing the bathymetry coverage in the S-102. The concept definition area clearly states the use of depth and uncertainty. Also noticeable is the direct link to the Data Dictionary Register in the lower right corner (DDR Binding Contents). The link leads to the web page listing the features of the concept (see Figure 2). As you can see, the uncertainty in the Data Dictionary Register is not part of the bathymetry coverage feature.

Web pages accessed 10/16/2023 07:05 AM.

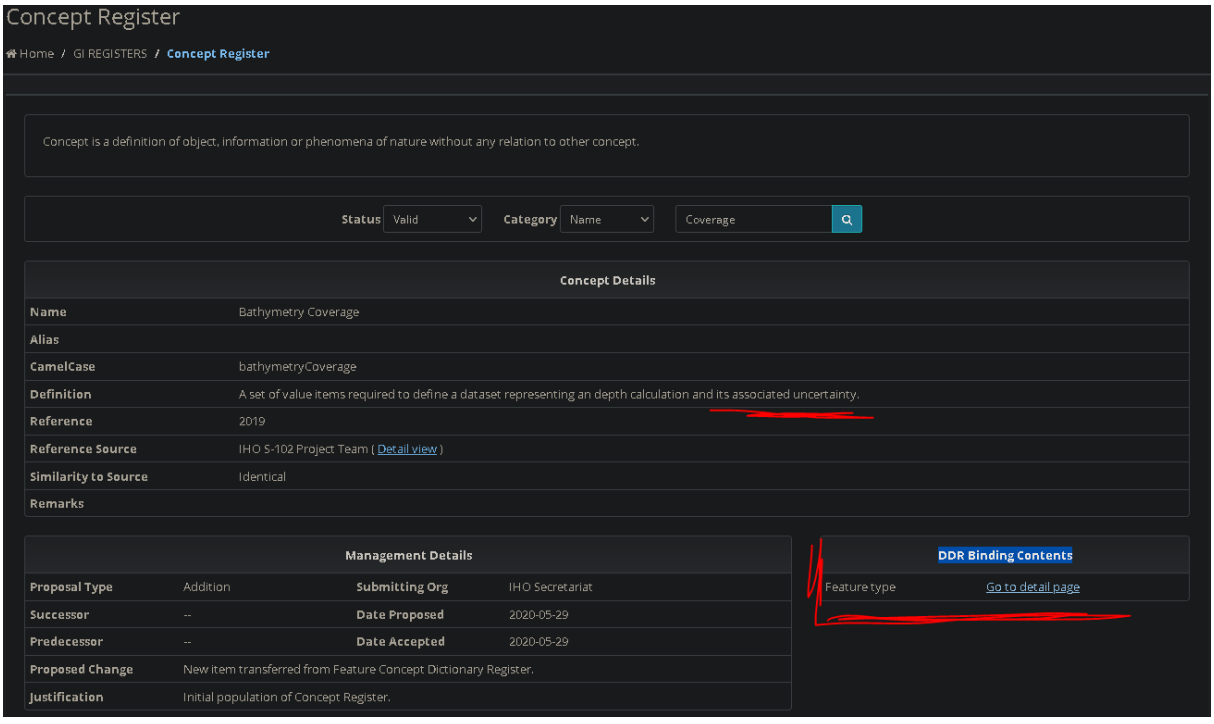

Figure 1IHO Concept Register

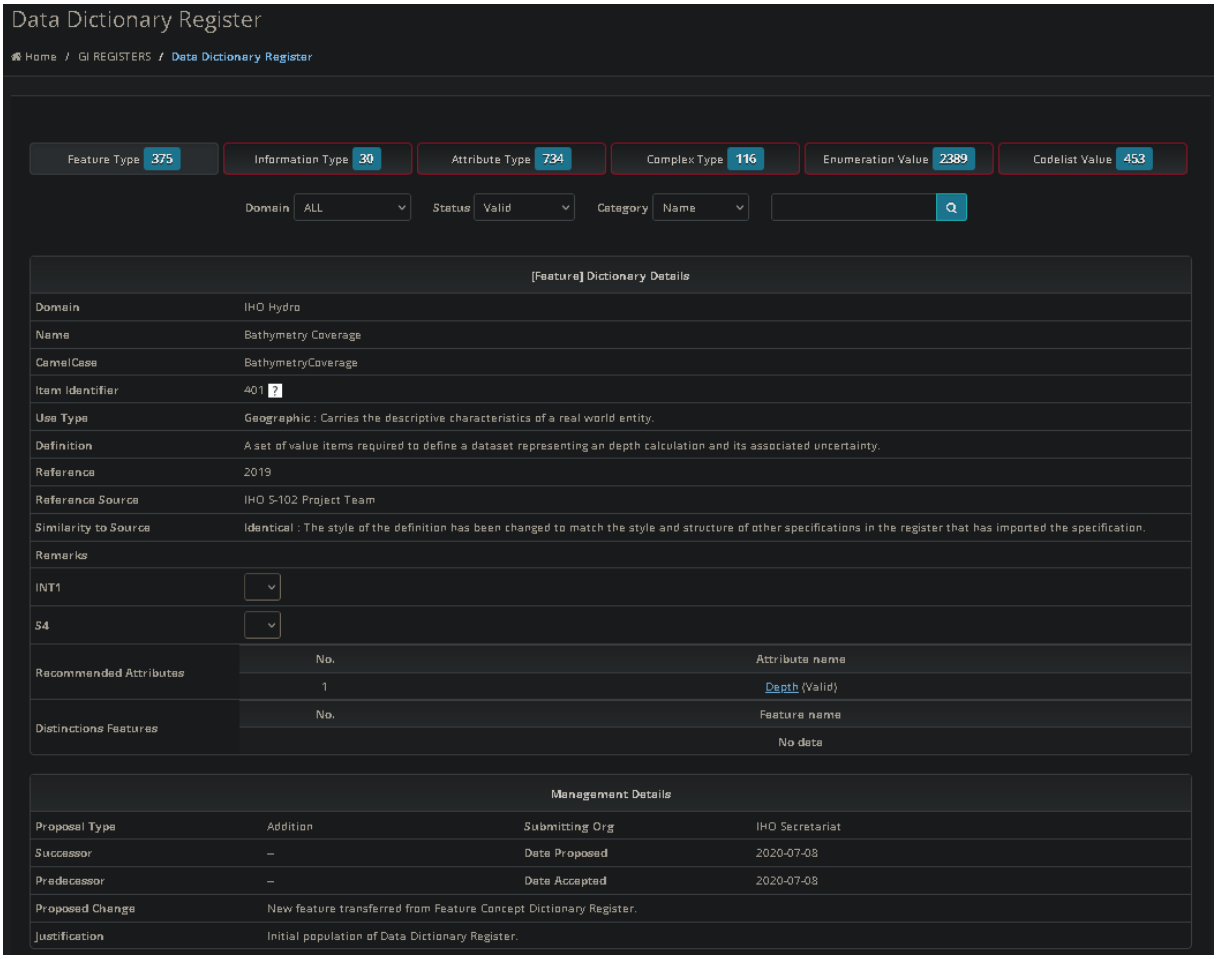

Figure 2IHO Data Dictionary Register

Conclusions

There exists a difference between the definition of the concept and the actual data structure.
According to the IHO Registry, we are currently not allowed to store uncertainty information in the bathymetry coverage, because the basis for this is missing in the Data Dictionary Register.

Recommendations

It is recommended that a discussion be held in accordance with the observations. From the BSH perspective, there are three possible outcomes of the discussion.

1. the observation is not correct
2. the uncertainty will be removed from the bathymetry coverage
3. the IHO registry will be modified

Justification and Impacts

This paragraph is dependent on the outcome of the discussion.

Action Required of S-102PT

The S-102PT is invited to:

a. discuss …….