

Paper for Consideration by S-101PT9

Aliases in the S-101 Feature Catalogue

Submitted by:	France
Executive Summary:	The use of aliases in S-101 and their presence in the S-101 Feature Catalogue need to be better defined.
Related Documents:	S-101 (Product Specification main document and Feature Catalogue), S-100 Edition 5.0.0, S-98 Edition 1.0.0.
Related Projects:	S-101

Introduction / Background

1. Aliases is a new item in S-100 as compared to S-57. When analysing the S-101 FC, various values for aliases have been detected, but their usefulness is not obvious. This needs to be clarified.

Analysis/Discussion

2. In S-100 edition 5.0.0, "alias" is mentioned as an entry in the IHO Concept Register and various descriptions of this item are found:
 - Equivalent name(s) of this item (Table 5-A-4 — S100_FC_Item);
 - Equivalent name(s) of this listed attribute (Table 5-A-15 — S100_FC_ListedValue);
 - An alternative name of the object (Table 6-2 — Properties of the class IO_IdentifiedObject);

There is no guidance in S-100 on what should be populated as alias and no indication of what will it be used for.

3. S-98 edition 1.0.0 contains no entry for "alias".
4. There is no entry for "alias" in S-101 main document, edition 1.0.0. Yet, the S-101 Feature Catalogue contains entries for "alias", that do reflect the values in the IHO Concept Register.
 - In most cases, alias only refers to the S-57 equivalent acronym:


```
<S100FC:code>SweptArea</S100FC:code>
<S100FC:alias>SWPARE</S100FC:alias>
```
 - In some cases, alias refers to an S-57 to S-101 conversion condition:


```
<S100FC:code>FoulGround</S100FC:code>
<S100FC:alias>OBSTRN (CATOBS = 7)</S100FC:alias>
```
 - Other occurrences contain more entries:


```
<S100FC:name>Depth Contour</S100FC:name>
<S100FC:alias>DEPCNT</S100FC:alias>
<S100FC:alias>Depth Curve</S100FC:alias>

<S100FC:name>Cargo Transhipment Area</S100FC:name>
<S100FC:alias>CTSARE</S100FC:alias>
<S100FC:alias>Lightening Area</S100FC:alias>
<S100FC:alias>Cargo Transfer</S100FC:alias>
```

Conclusions

5. It is not clear across S-1XX and S-98 what is the goal of aliases in terms of data providers, OEMs or end user need.

Recommendations

6. It is recommended that the S-101 PT:
 - reviews the need of aliases in S-101 and:
 - o suggests guidance if the need is confirmed;
 - o suggests removal if the need is not confirmed;
 - reports to the S-100WG on the lack of guidance in S-100 and S-98.

Justification and Impacts

7. The presence of unnecessary elements in the S-101 FC should be avoided.

Action Required of [HSSC] [Relevant HSSC WG]

8. The S-101 Project Team is invited to:
 - a. endorse this paper
 - b. agree with the recommendations
 - c. take any necessary action