

Paper for Consideration by S100TSM9

DatasetDiscoveryMetadata attribute notForNavigation

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Executive Summary:	Having the name of the boolean attribute notForNavigation as an indicator for whether or not a product is for navigation implies a double denial.
Related Documents:	S-100 5.0.0
Related Projects:	

Introduction / Background

In S-100 Part 17 the S100_DatasetDiscoveryMetadata attribute notForNavigation is a boolean attribute:

Attribute	notForNavigation	Indicates the dataset is not intended to be used for navigation	1	Boolean	True indicates the dataset is not intended to be used for navigation False indicates the dataset is intended to be used for navigation
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The encoding of the attribute indicates whether or not the attribute is intended to be used for navigation. True indicates it is not intended for navigation, and false indicates it is intended for navigation.

The reason for naming the attribute notForNavigation instead of forNavigation is unclear - and the denial that lies within the name reverses what seems to be the logical approach when clarifying if a product is for navigation or not - it could be argued that the name notForNavigation = true (not for navigation) becomes an unnecessary double denial.

Logically it would make more sense if the name of the attribute was forNavigation, where true indicates it is intended for navigation, and false indicates it is not intended for navigation.

Analysis/Discussion

To approach the most logical way of encoding whether a product is for navigation or not, it is proposed to change the name, description and remarks of the attribute notForNavigation (if there is no intent behind using denial in attribute name) accordingly:

Attribute	forNavigation	Indicates if the dataset is intended to be used for navigation	1	Boolean	True indicates the dataset is intended to be used for navigation False indicates the dataset is not intended to be used for navigation
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Conclusions

- Change the name of the DatasetDiscoveryMetadata attribute notForNavigation to forNavigation.
- Reflect changes in attribute name in description and remarks columns.

Action Required of S100TSM9

The S100TSM is invited to:

Note the report and discuss proposed changes.