

Title: Change to S-100 Feature Catalogue Model

S-100 Maintenance – Change Proposal Form

Organization	KHOA	Date	01/28/2020
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Change Proposal Type *Select only one option*

1. Clarification	2. Revision	3. New Edition
	X	

Location *Identify all change proposal locations*

S-100 Version No.	Part No.	Section No.	Proposal Summary
Version 4	5	Appendix 5-A	add the attribute versionDate to the classes S100_FC_Item and S100_FC_ListedValue to support linkage between a feature catalogue and specific versions of Registry content

Change Proposal

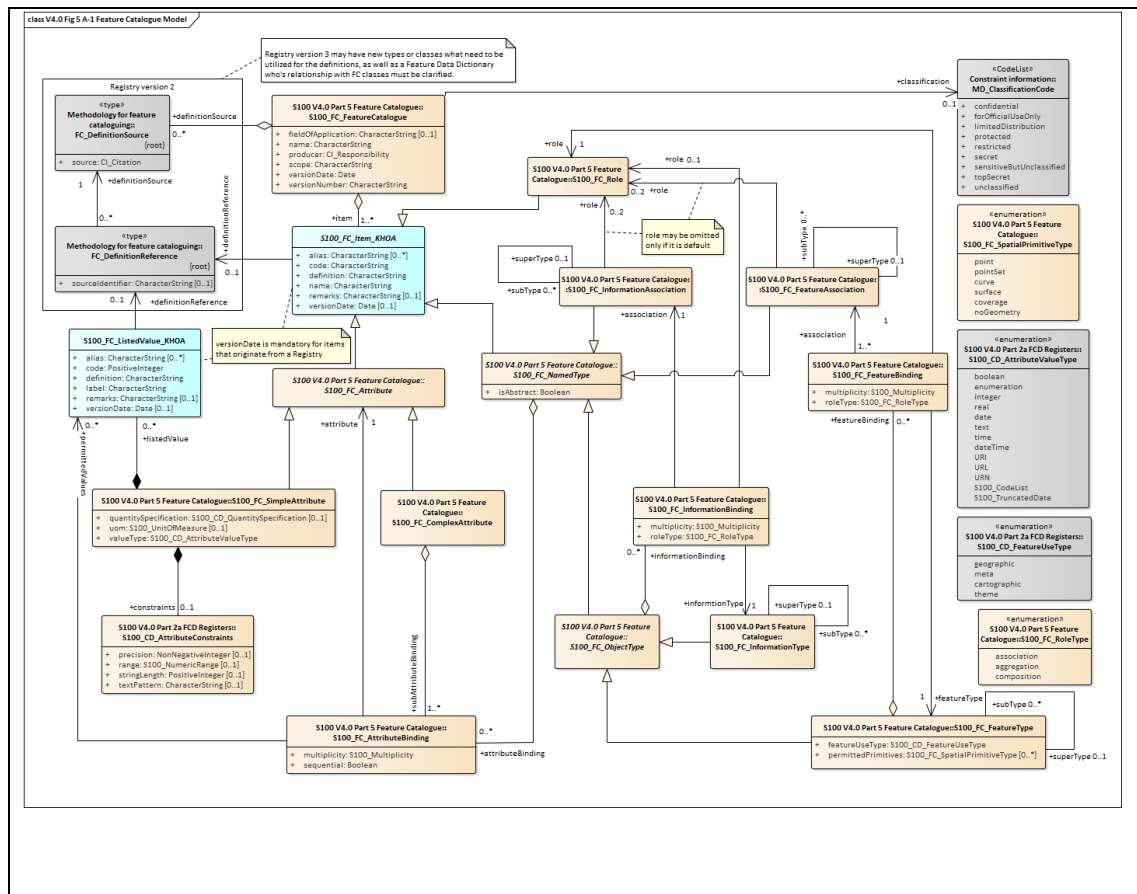


Table 5-A-4 — S100_FC_Item_KHOA

Role Name	Name	Description	Mult	Type	Remarks
Class	<i>S100_FC_Item</i>	Abstract base class that defines the common properties of all items in the feature catalogue; items are feature types, information types, feature associations, information associations, attributes and roles	-	-	Abstract class
Attribute	name	Name of the item	1	CharacterString	
Attribute	definition	Definition of the named type in a natural language	1	CharacterString	
Attribute	code	Code that uniquely identifies the named type within the feature catalogue	1	CharacterString	
Attribute	remarks	Further explanation about the item	0..1	CharacterString	
Attribute	alias	Equivalent name(s) of this item	0..*	CharacterString	
Attribute	versionDate	Date of the Feature Data Dictionary item that this item originated from.	0..1	Date	Mandatory for items that originate from a Registry
Role	definitionReference	The link to the source of the definition	0..1	FC_DefinitionReference	

Table 5-A-15 — S100_FC_ListedValue_KHOA

Role Name	Name	Description	Mult	Type	Remarks
Class	<i>S100_FC_ListedValue</i>	Value of an enumerated attribute domain, including its codes and definition	-	-	
Attribute	label	Descriptive label that uniquely identifies one value of the feature attribute	1	CharacterString	
Attribute	definition	Definition of the listed value in a natural language	1	CharacterString	
Attribute	code	Numeric code that uniquely identifies the listed value for the corresponding feature attribute	1	PositiveInteger	
Attribute	remarks	Further explanation about the listed value	0..1	CharacterString	
Attribute	alias	Equivalent name(s) of this listed value	0..*	CharacterString	
Attribute	versionDate	Date of the Feature Data Dictionary item that this item originated from.	0..1	Date	Mandatory for items that originate from a Registry
Role	definitionReference	The link to the source of the definition	0..1	FC_DefinitionReference	

Change Proposal Justification

In S-100 Edition 4.0.0, registry permit change management of the definitions by way of versioning. However there are no mechanism within S-100 Edition 4.0.0 to link to a version of a definition to an item in a feature catalogue. This paper proposes a change to S-100 FC model of adding the attribute versionDate to the classes S100_FC_Item and S100_FC_ListedValue to support linkage between a feature catalogue and specific versions of Registry content.

Please send completed forms and supporting documentation to the IHO Secretariat (addt@iho.int).