

Paper for Consideration by S100TSM9

ServiceDataModel table missing in Part 14

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Executive Summary:	There is no table for S100_OC_ServiceDatamodel with defined class/attributes.
Related Documents:	S-100 5.0.0
Related Projects:	

Introduction / Background

S-100 Part 14 Online Data Exchange chapter 14-8.1.1 defines all information required to implement the service. The logical data model of the service is described by the serviceDataModel (Type S100_OC_ServiceDatamodel), which is a mandatory requirement:

Role Name	Name	Description	Mult	Type	Remarks
Class	S100_OC_ServiceMeta Data	Root Entry point to formal describe a service including its interaction models and data products	-	-	-
Composition	serviceDataModel	Describes the logical data model of the service	1	S100_OC_Service Datamodel	Mandatory
Composition	serviceInterfaces	Describe the technology agnostic and technology specific interfaces for a service	1..*	S100_OC_Service Interface	Mandatory
Attribute	featureCatalogueURL	URL to the used Feature Catalogue. This URL should if possible, point to a machine readable representation of the FeatureCatalogue, referred in Exchange Set	0..1	URL	Mandatory
Association	requirements	Refers to requirements specifications for the service. Business requirements, functional and non-functional requirements should be listed here. At least one requirement shall be given	0..*	S100_OC_Requirement	
Attribute	name	The human readable service name. The service name shall be at maximum a one-line brief label for the service. Newer versions of the same service specification shall not change the name	0..1	CharacterString	
Attribute	description	A human readable short description of the service. The description shall contain an abstract of what a service implementing this specification would do	0..1	CharacterString	
Attribute	version	Version of the service specification. A service specification is uniquely identified by its name and version. Any change in the service data model or in the service interface definition requires a new version of the service specification	0..1	CharacterString	
Attribute	status	Status of the service specification	0..1	S100_OC_StatusType	
Attribute	keywords	A list of keywords associated with the service	0..*	CharacterString	

S100_OC_ServiceDatamodel is not further listed in the following tables, opposed to the other types in the above table.

Analysis/Discussion

A table for S100_OC_ServiceDatamodel with defined class/attributes (if any) should probably be created. As for now this is perhaps a topic to revisit for later (post S-100 5.1.0) versions(?).

Conclusions

- Add table for S100_OC_ServiceDatamodel with defined class/attributes.

Action Required of S100TSM9

The S100TSM is invited to:

Note the paper and discuss proposed changes.