

WG13 Issues - CIM Issues #6253

Updates of Dynamics package

02/06/2023 02:29 PM - Chavdar Ivanov

Status: Closed	
Priority: Normal	
Target version:	
Author/Contact Info:	Standard(s): 61970-302 and 61970-457
Base Release: CIM18v02	Version:
Solution to be Applied To: CIM18v03	Clause:
Solution Version: CIM18v03	Sub-Clause:
Solution Applied By: Chavdar Ivanov	Paragraph:
Completion Date: 02/06/2023	Table:
CIM Keywords:	Originally Closed in Version:
Breaking Change: No	Origination Date: 02/06/2023
Breaking Change Description:	Origination ID:
CIM Impacted Groups: WG13	Originally Assigned To:
Requestor:	
Description	
<p>The following updates are necessary due to identified gaps</p> <p>The attribute DetailedModelDescriptorArtifact.equationLanguageKind is required in 457 and it should be optional or the enumeration needs to include enum "other".</p> <ul style="list-style-type: none">- Add "other" in the enum in 302 and update the description <p>The enumeration XSDDatatypeKind is missing integer enumerated value.</p> <ul style="list-style-type: none">- Add integer <p>There is a typo on the class name ParameterDescriptior. It should be ParameterDescriptor.</p> <p>Only 457 change: The association between ParameterDescriptor and FunctionDescriptor has multiplicities 1..* and 1 and direction towards FunctionDescriptor. This requires that each FunctionDescriptor shall have a parameter and each parameter shall point to a FunctionDescriptor. It is recommended that the association is left with multiplicities 0..* and 0..* with direction towards ParameterDescriptor. This would allow the following</p> <ul style="list-style-type: none">o To model a FunctionDescriptor without parameterso To reuse parameters in different FunctionDescriptor-so To list all parameters for a FunctionDescriptor. <p>Only 457 change: The InputOutputDescriptor is allowed to have multiple inputs but only one output. It is recommended to change the multiplicity of InputOutputDescriptor.SignalDescriptor to 1..*. This will allow modelling complex functions with multiple outputs.</p> <p>Only 457 change: Change needed on the following:</p> <p>The association SignalDescriptor.ACDCTerminal cannot be in the Detailed Model Configuration (DMC) profile as the configuration of the model has to be independent from the power system model to which should be applied to. This association will need to be modelled in the Detailed Model Parameterisation (DMP) Profile. As the association is optional the profile shall state that the input and output signals that are external to the model configuration shall take signals from the terminals of the device if there is no further specification.</p> <ul style="list-style-type: none">- Moving the association to another profile from DMC to DMP <p>Deleted a draft note on the diagram DetailedModelDescription</p>	
Decision	
Decison be WG13 on 1 Feb 2023	
Release Notes	

History

#1 - 02/06/2023 02:29 PM - Chavdar Ivanov

- Status changed from *New* to *Open*

#2 - 02/06/2023 02:30 PM - Chavdar Ivanov

- Status changed from *Open* to *In Progress*

#3 - 02/06/2023 02:30 PM - Chavdar Ivanov

- Status changed from *In Progress* to *Closed*