

WG13 Issues - CIM Issues #6458

302, 457, Issues with different classes modelling the same behaviour WindGridMeasForProtection and WindGridMeasForControl

07/01/2023 02:58 PM - Chavdar Ivanov

Status:	Closed	
Priority:	Normal	
Target version:		
Author/Contact Info:	Chavdar Ivanov	Standard(s):
Base Release:		Version:
Solution to be Applied To:	18v05	Clause:
Solution Version:	CIM18v05	Sub-Clause:
Solution Applied By:	Chavdar Ivanov	Paragraph:
Completion Date:	07/01/2023	Table:
CIM Keywords:		Originally Closed in Version:
Breaking Change:	No	Origination Date: 05/17/2023
Breaking Change Description:		Origination ID:
CIM Impacted Groups:	WG13	Originally Assigned To:
Requestor:		
Description <p>I have encountered a strange design choice in the wind dynamics profile.</p> <p>The WindGridMeasForProtection and WindGridMeasForControl classes are basically the same – they have the same parameters, model the same dynamics module but can be used for different purposes, namely for protection or for control. The question is, why do we have two different classes then?</p> <p>Could we have one CIM class type (for example WindGridMeasurement) and associate two object instances of the same class to the wind turbine dynamics model using different associations?</p> <p>If we would have one single class type (WindGridMeasurement) we could then use for example:</p> <ul style="list-style-type: none">• the WindTurbineType3or4IEC2.WindGridMeasForProtection association to assign a generic measurement to be used for protection and• the WindTurbineType3or4IEC2.WindGridMeasForControl association to assign a generic measurement to be used for control		
Proposed Solution <p>Use a single class and rely on the associations</p>		
Decision <p>Apply the change to have optimal modelling</p>		
Release Notes <p>The following changes are applied in 302 and 457</p> <ul style="list-style-type: none">- rename class WindGridMeasForProtection to WindGridMeasurement and adapt the description- move old associations from class WindGridMeasForControl to WindGridMeasurement and rename association role names- delete class WindGridMeasForControl		

History

#1 - 07/01/2023 02:59 PM - Chavdar Ivanov

- Status changed from New to Open

#2 - 07/01/2023 02:59 PM - Chavdar Ivanov

- Status changed from Open to Review

#3 - 07/01/2023 02:59 PM - Chavdar Ivanov

- *Status changed from Review to Closed*

#4 - 07/01/2023 03:00 PM - Chavdar Ivanov

- *Release Notes updated*

#5 - 07/05/2023 10:01 AM - Chavdar Ivanov

- *Solution Version changed from 18v05 to CIM18v05*