

WG13 Issues - CIM Issues #4915

The LoadResponseCharacteristic is different for steady stat

09/14/2021 03:47 PM - Herbert Falk

Status:	Closed	
Priority:	High	
Target version:		
Author/Contact Info:	Kendall Demaree	Standard(s):
Base Release:	IEC61970CIM13r05	Version:
Solution to be Applied To:		Clause:
Solution Version:		Sub-Clause:
Solution Applied By:		Paragraph:
Completion Date:		Table:
CIM Keywords:		Originally Closed in Version:
Breaking Change:	No	Origination Date: 07/01/2008
Breaking Change Description:		Origination ID: 909
CIM Impacted Groups:	WG13	Originally Assigned To:
Requestor:		

Description

The LoadResponseCharacteristic is different for steady state and for short time frame dynamics simulations. The form of the model is the same, but the parameters are different, typically PQ for steady state and more complex voltage dependency for short term voltage drops in transient stability.

Proposed Solution

Modify multipliicty of the EnergyConsumer-LoadResponseCharacteristic to allow multiple load characteristics per load instance. Also add an attribute to LoadResponseCharacteristic to specify for what purpose the response characteristic is used.

Decision

Discussed in the 05-Apr-2023 UTF13 weekly call.

Decision: This issue to be closed. The rationale for closing that the dynamics model replaced the need for addressing this issue originally raised for CIMv13. If someone has a better use case for changing cardinality between EnergyConsumer-LoadResponseCharacteristic this can be revisited.

History

#1 - 02/07/2023 11:30 AM - Chavdar Ivanov

- Status changed from Open to Review
- Priority changed from Low to High
- Base Release changed from IEC61970CIM13r05 to IEC61970CIM13r05

It will be good to consider if we change the cardinality of the association and add attribute on the purpose. The issue seems to be actual.

#2 - 04/05/2023 10:23 AM - Eric Stephan

- Decision updated

#3 - 04/12/2023 09:48 AM - Todd Viegut

- Status changed from Review to Closed
- Decision updated