

WG13 Issues - CIM Issues #5093

[GMDM #6] Clarify ambiguity on using Terminal phases for unbalanced loads.

09/22/2021 09:08 AM - Eric Stephan

Status:	New	
Priority:	Normal	
Target version:		
Author/Contact Info:	Pat Brown	Standard(s):
Base Release:	CIM17	Version:
Solution to be Applied To:	CIM18	Clause:
Solution Version:		Sub-Clause:
Solution Applied By:		Paragraph:
Completion Date:		Table:
CIM Keywords:		Originally Closed in Version:
Breaking Change:	No	Origination Date:
Breaking Change Description:		Origination ID:
CIM Impacted Groups:	WG13	Originally Assigned To:
Requestor:	Pat Brown	

Description

I believe the attribute was introduced to support unbalanced modeling when that was added to the CIM. Tom McDermott has found he does not need it in his significant work with unbalanced modeling (in GridApps-D and other projects). We've had discussions within our Friday 'device datasheet' calls that would indicate there is a viable approach to unbalanced modeling that would not require it. (It's the universal use of companion xxxPhase instances for all ConductingEquipment child class instances).

The unbalanced CIM model has had far less 'test driving' than the balanced and, to be honest, currently requires lots of local assumptions to be made when it is used. It would be (at least in my mind) of significant benefit to the industry if we could get unbalanced data exchanges in a place where they more clearly support interoperability. And this question is one little piece of that.

The purpose of discussing this topic in a WG13 setting is not to 'resolve' the question, but rather to identify other folks who could provide input and to identify other use cases that we may have missed.

Attached is a .jpg of a UML diagram that shows all the ConductingEquipment child classes and their existing/proposed xxxPhase classes.

Decision

Form a focus group: Pat Brown, Martin Miller, Martin Bass, Tom McDermott, Chuck DuBose, Alan McMorran, Chavdar Ivanov

History

#1 - 09/22/2021 09:08 AM - Eric Stephan

- Requestor set to Pat Brown

#2 - 02/15/2023 04:49 AM - Pat Brown

- File GMDM 6 - Streamline approach to phase modeling.docx added

- Subject changed from Clarify ambiguity on using Terminal phases for unbalanced loads. to [GMDM #6] Clarify ambiguity on using Terminal phases for unbalanced loads.

Files

terminalphases.jpg	297 KB	09/22/2021	Eric Stephan
GMDM 6 - Streamline approach to phase modeling.docx	3.05 MB	02/15/2023	Pat Brown