

WG13 Issues - CIM Issues #5868

New BusSegment for busbar modeling

06/26/2022 09:57 PM - Yang Feng

Status:	New	
Priority:	Normal	
Target version:		
Author/Contact Info:	Chuck DuBose	Standard(s):
Base Release:		Version:
Solution to be Applied To:		Clause:
Solution Version:		Sub-Clause:
Solution Applied By:		Paragraph:
Completion Date:		Table:
CIM Keywords:	61970-Wires	Originally Closed in Version:
Breaking Change:	Yes	Origination Date: 06/08/2022
Breaking Change Description:	Introducing BusSegment class may break the backward compatibility and introduces alternate ways of modeling a busbar	Origination ID:
CIM Impacted Groups:	WG13	Originally Assigned To:
Requestor:		
Description <p>The current BusBarSection class is a single terminal ConductingEquipment that represents where the physical busbar is in the substation.</p> <p>In a recent use case presented from SaskPower (by Chuck and jointly with Judy), the busbar construction could be phased and different materials might be used among phases.</p> <p>This will lead to a single busbar with multiple ratings (flow & voltage) and in a practical power-flow study, they would be modeled as multiple buses in order to report violations properly.</p>		
Proposed Solution <p>Chuck has presented a proposal on BusSegment as a two-terminal ConductingEquipment to 'separate' the single busbar into multiple pieces.</p> <p>Details can be found as attached.</p>		
Related issues:		
Precedes WG13 Issues - CIM Issues #5870: BusSegment - Profiles		Closed
Precedes WG13 Issues - CIM Issues #5869: BusSegment - UML updates		Closed

History

#1 - 06/26/2022 10:02 PM - Yang Feng

- File Bus Segment Use Case.pdf added

#2 - 06/26/2022 10:03 PM - Yang Feng

- Precedes CIM Issues #5870: BusSegment - Profiles added

#3 - 06/26/2022 10:03 PM - Yang Feng

- Precedes CIM Issues #5869: BusSegment - UML updates added

#4 - 10/08/2023 12:30 AM - Chavdar Ivanov

Note that issues 5870 and 5869 were closed and BusSegment was added to the model. The rest of the items will need to be decided in this issue

Files

