

WG13 Issues - CIM Issues #6147

[GMDM #1] Streamlining of tank-based transformer modelling

10/04/2022 04:40 AM - Yang Feng

Status:	New	
Priority:	Normal	
Target version:		
Author/Contact Info:	Pat Brown	Standard(s):
Base Release:		Version:
Solution to be Applied To:	CIM18	Clause:
Solution Version:		Sub-Clause:
Solution Applied By:		Paragraph:
Completion Date:		Table:
CIM Keywords:	61968-AssetInfo, 61968-Assets, 61970-Wires	Originally Closed in Version:
Breaking Change:		Origination Date:
Breaking Change Description:	Unclear at the moment	Origination ID:
CIM Impacted Groups:	WG13	Originally Assigned To: Pat Brown
Requestor:	Pat Brown	
Description		
<p>Currently, the modelling of an unbalanced (tank-based) transformer can be accomplished in a variety of ways, using a multitude of combinations of classes and associations. The number of possible alternatives is an impediment to interoperability. A number of the classes used in describing transformers for network modelling purposes are also resident in the 61968 package, not the 61970 package, despite the fact that they were designed to support network analysis, not asset management, use cases. This issue suggests the articulation of a comprehensive, cohesive approach to tank-based transformer modelling which would accomplish the following:</p> <ul style="list-style-type: none">• Support the modelling of tank-based transformers in strictly electrical terms• Support the modelling of tank-based transformers using test results• Support the definition of 'catalog' information of both kinds of modelling (electrical terms and test results)• Align with the current balanced (non-tank-based) transformer modelling described by 61970-301 and -452• Augment the current non-tank-based modelling to allow modelling of those transformers with test results <p>The net outcome is anticipated to significantly leverage existing classes, attributes and associations. Likely changes include a few new associations that clarify (and support validation of) intended usage, perhaps some moving of attributes from one class to another and the move of a number of classes from the 61968 package to the 61970 package.</p>		
Decision		
Oslo, 13 June 2023 Proposal for changes will need to be prepared. Possible solution is to copy some of the attributes from info classes to transformer. Volunteers: Martin, Pat, Jugoslav		

History

#1 - 10/04/2022 04:41 AM - Yang Feng

- File GMDM 1 - Simplification of electric-parameter-only transformer modeling.docx added

#2 - 02/15/2023 04:46 AM - Pat Brown

- Subject changed from [GMDM] Simplification of electric-parameter-only transformer modeling to [GMDM #1] Simplification of electric-parameter-only transformer modeling

#3 - 05/24/2023 08:37 AM - Pat Brown

- File GMDM 1 - Streamlining of tank-based transformer modelling.docx added

- Subject changed from [GMDM #1] Simplification of electric-parameter-only transformer modeling to [GMDM #1] Streamlining of tank-based transformer modelling

#4 - 05/24/2023 08:38 AM - Pat Brown

- File deleted (*GMDM 1 - Simplification of electric-parameter-only transformer modeling.docx*)

#5 - 05/24/2023 08:42 AM - Pat Brown

- Description updated

#6 - 06/13/2023 10:01 AM - Chavdar Ivanov

- Decision updated

Files

GMDM 1 - Streamlining of tank-based transformer modelling.docx	1.26 MB	05/24/2023	Pat Brown
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