

WG13 Issues - CIM Issues #5303

5302:5303 61970 portion of TransformerTank to TransformerTankInfo association

01/30/2022 05:22 AM - Pat Brown

Status:	New		
Priority:	Normal		
Target version:			
Author/Contact Info:	Pat Brown	Standard(s):	61968-11, 61968-4, 61970-301, 61968-13
Base Release:		Version:	
Solution to be Applied To:	iec61970cim18v01_iec61968cim14v00_iec62325cim04v08_CIM101.0	Clause:	
Solution Version:		Sub-Clause:	
Solution Applied By:	Pat Brown	Paragraph:	
Completion Date:		Table:	
CIM Keywords:	61968-AssetInfo, 61970-Wires	Originally Closed in Version:	
Breaking Change:	No	Origination Date:	
Breaking Change Description:		Origination ID:	
CIM Impacted Groups:	WG13, WG14	Originally Assigned To:	
Requestor:	Pat Brown		

Description

In the canonical UML, 61970 PowerSystemResource child classes inherit an association to AssetInfo. This means that, as a child of PowerSystemResource, the TransformerTank class has an allowed association to classes as diverse (and illogical) as EndDeviceInfo, SurgeArresterInfo and WireInfo. This situation forces 61970 profiles to articulate constraints that are actually universal and not profile-specific.

Proposed Solution

Add an explicit association between TransformerTank and TransformerTankInfo.

Release Notes

Add association TransformerTankInfo.TransformerTank, ensuring that the association source is TransformerTankInfo and the target is TransformerTank since the association 'spans' the 61968/61970 package divide.

See attached 2022-01-30 Device Datasheet TransformerTank TransformerTankInfo requested UML updates.docx for more detail on role descriptions.

History

#1 - 01/30/2022 05:32 AM - Pat Brown

- File 2022-01-30 Device Datasheet TransformerTank TransformerTankInfo requested UML updates.docx added

- Release Notes updated

Files

2022-01-19 Device Datasheet TransformerTank TransformerTankInfo requested UML updates.docx	570 KB	01/30/2022	Pat Brown
2022-01-30 Device Datasheet TransformerTank TransformerTankInfo requested UML updates.docx	571 KB	01/30/2022	Pat Brown