WG13 Issues - CIM Issues #4934

Modelling of PotentialTransformer and CurentTransformer

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

Status:	Closed		
Priority:	Low		
Target version:			
Author/Contact Info:	Kendall Demaree	**Standard(s):**	
Base Release:	61970cim15v12	**Version:**	
Solution to be Applied To:	CIM18v07	**Clause:**	
Solution Version:	CIM18v07	**Sub-Clause:**	
Solution Applied By:	Chavdar Ivanov	**Paragraph:**	
Completion Date:	10/08/2023	**Table:**	
CIM Keywords:		**Originally Closed in Version:**	
Breaking Change:	Yes	**Origination Date:**	12/16/2011
Breaking Change Description:	Some attributes are deleted, but these are not used in WG13 profiles	**Origination ID:**	13_108
CIM Impacted Groups:	WG13	**Originally Assigned To:**	
Requestor:			

Description

PotentialTransformer.ptClass is ambiguous string
String attribute has no real redefinition and is possibly redundant after addition of
PotentialTransformer:type:PotentialTransformerKind attribute.

Proposed Solution

PotentialTransformer.ptClass and CurrentTransformer.ctClass usage is not clear.

Decision

Chuck investigates and come up with proper attribute names and descriptions. Refer also to IEC 60044-1.
2013-06-05/LOO

Oslo, 14 June 2023
- update the description of PotentialTransformer.accuracyClass
- clarify the PotentialTransformer.ptClass as burden designation

All attributes will need to be revisited. Note that there is an opinion that we should not add attributes to Sensor due to other impact.

See https://voltage-disturbance.com/power-engineering/potential-transformer-accuracy/

30-Aug-2023: Discussion concluded with the observation that this is Asset related and not an TF13 Wires task. These attributes should be removed as it is not necessary for wires-based application.

11 Oct 2023 - TF13 call
Close the issue and leave the remaining attributes (after the deletion of accuracyClass, ptClass and ctClass) with the expectation that if there's an issue or they are not needed someone will raise this.

Release Notes

The following attributes were removed as they are Asset related, they are not necessary for wires-based application and should not be in the Grid package.
- PotentialTransformer.accuracyClass
- PotentialTransformer.ptClass
- CurrentTransformer.accuracyClass
- CurrentTransformer.ctClass

History

#1 - 02/07/2023 01:30 PM - Chavdar Ivanov

- Subject changed from PotentialTransformer.ptClass is ambiguous string
String att to PotentialTransformer.ptClass is ambiguous stringString att

- Status changed from Open to Review

- Base Release changed from 61970cim15v12
to 61970cim15v12

- Decision updated

WG13 to discuss if this is stil actual. Check with Chuck if input is ready.

#2 - 06/14/2023 09:41 AM - Chavdar Ivanov

- Subject changed from PotentialTransformer.ptClass is ambiguous stringString att to Modelling of PotentialTransformer and CurentTransformer

- Proposed Solution updated

- Decision updated

#3 - 06/14/2023 09:42 AM - Chavdar Ivanov

- Status changed from Review to In Progress

#4 - 08/30/2023 11:02 AM - Todd Viegut

- Proposed Solution updated

- Decision updated

#5 - 10/08/2023 12:03 AM - Chavdar Ivanov

- Solution to be Applied To set to CIM18v07

- Solution Version set to CIM18v07

- Solution Applied By set to Chavdar Ivanov

- Completion Date set to 10/08/2023

- Release Notes updated

#6 - 10/08/2023 12:07 AM - Chavdar Ivanov

- Breaking Change changed from No to Yes

- Breaking Change Description set to Some attributes are deleted, but these are not used in WG13 profiles

#7 - 10/14/2023 11:23 PM - Chavdar Ivanov

- Status changed from In Progress to Closed

- Decision updated

#8 - 10/20/2023 09:42 AM - Todd Viegut

- Solution to be Applied To changed from CIM18v07 to 18v07

#9 - 10/20/2023 10:11 AM - Todd Viegut

- Solution to be Applied To changed from 18v07 to CIM18v07