

WG14 Issues - CIM Issues #5297

5295:5297 61968 AssetInfo cleanup for ACLineSegment physical modeling

01/29/2022 05:44 PM - Pat Brown

Status: Open	
Priority: Normal	
Target version:	
Author/Contact Info: Pat Brown	Standard(s): 61968-11, 61968-4
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	Originally Closed in Version:
Breaking Change: Yes	Origination Date:
Breaking Change Description: WirePhaseInfo and WireUsageKind classes deleted, 2 classes renamed, 2 attributes deleted, 4 associations deleted	Origination ID:
CIM Impacted Groups: WG13, WG14	Originally Assigned To:
Requestor: Pat Brown	
Description <p>The manner in which classes (and associations) in the AssetInfo package related to wire position are to be used to support network modeling is confusing: in one case, two classes (WireAssemblyInfo and WireSpacingInfo) appear to provide the same purpose (describing a set of wire positions); in another case, one class has two meanings (WireSpacingInfo is used to describe both 'bundles' and the collection of individual wires making up a line segment); associations exist that allow modeling (and templating) to be accomplished in a dozen different ways.</p>	
Proposed Solution <p>Proposed changes are described in detail in Issue #5296:5297:5296 - WG14 Part 4 WireAssemblyInfo and related cleanup for ACLineSegment physical modeling. At a high level the following are proposed:</p> <p>WireSpacingInfo - Repurpose class for use only in describing collections of wires carrying a single phase. Rename class to IntrphaseSpacing, remove .isCable and .usage attributes, create new associations to ACLineSegmentPhase and WirePosition to allow it to be used in the 3 templating approaches. Also remove no-longer-needed WireUsageKind class. WirePhaseInfo - Remove class and its 3 associations. Relocate its only attribute (.phaseInfo) to the WirePosition class. WireAssemblyInfo - Rename class and add 3 associations to allow it to serve as the only class supporting the description of collections of wires carrying multiple phases.</p>	
Release Notes <p>See Issue #5295:5297:5296 - WG14 Part 4 WireAssemblyInfo and related cleanup for ACLineSegment modeling.</p>	
Related issues:	
Related to CIM Joint Issues - CIM Issues #5295: Joint issue on ACLineSegment ...	New
Related to WG14 Part 4 Issues - CIM Issues #5296: 5295:5297:5296 - WG14 Part ...	Review

History

#1 - 01/29/2022 05:50 PM - Pat Brown

- Project changed from WG13 Issues to WG14 Issues

- Subject changed from 61968 portion of joint issue on ACLineSegment physical modeling clarification to 61968 portion of #5295 - Joint issue on ACLineSegment physical modeling clarification

- *Proposed Solution updated*
- *Standard(s) set to 61968-11, 61968-13*
- *Release Notes updated*

#2 - 01/29/2022 06:07 PM - Pat Brown

- *Proposed Solution updated*

#3 - 01/30/2022 02:00 AM - Pat Brown

- *Description updated*
- *Solution to be Applied To set to iec61970cim18v01_iec61968cim14v00_iec62325cim04v08_CIM101.0*
- *Proposed Solution updated*
- *Release Notes updated*
- *CIM Impacted Groups WG13 added*

#4 - 01/30/2022 02:02 AM - Pat Brown

- *Subject changed from 61968 portion of #5295 - Joint issue on ACLineSegment physical modeling clarification to 5295:5297 61968 AssetInfo cleanup for ACLineSegment physical modeling*
- *Proposed Solution updated*

#5 - 01/30/2022 02:29 AM - Pat Brown

- *Breaking Change Description changed from WirePhaseInfo and WireUsageKind classes deleted, 2 classes renamed, 2 attributes deprecated, 4 associations deleted to WirePhaseInfo and WireUsageKind classes deleted, 2 classes renamed, 2 attributes deleted, 4 associations deleted*

#6 - 01/30/2022 02:29 AM - Pat Brown

- *Release Notes updated*

#7 - 01/30/2022 04:12 AM - Pat Brown

- *Standard(s) changed from 61968-11, 61968-13 to 61968-11, 61968-4*

#8 - 09/23/2022 10:43 AM - Chuck DuBose

- *Related to CIM Issues #5295: Joint issue on ACLineSegment physical modeling clarification added*

#9 - 09/23/2022 10:49 AM - Chuck DuBose

- *Related to CIM Issues #5296: 5295:5297:5296 - WG14 Part 4 WireAssemblyInfo and related cleanup for ACLineSegment physical modeling added*

#10 - 09/20/2023 09:58 AM - Pat Brown

2023-09-20

Two updates made to related WG14 Part 4 Issue (5296): 1) removal of Discription changes for IntraphaseSpacing (was WireSpacingInfo) class and 2) request to move 3 classes WireAssembly (was WireAssemblyInfo), WirePosition and IntraphaseSpacing (was WireSpacingInfo) from the 61968 package to the 61970 package.

#11 - 10/14/2023 09:55 AM - Henry Dotson

- *Status changed from New to Open*