WG13 Issues - CIM Issues #4835

There are no 'type' information in reverseDifferences and r

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

Status:	Closed		
Priority:	Normal		
Target version:			
Author/Contact Info:	Jun Zhu	**Standard(s):**	
Base Release:		**Version:**	
Solution to be Applied To:		**Clause:**	
Solution Version:	CIM11	**Sub-Clause:**	
Solution Applied By:		**Paragraph:**	
Completion Date:		**Table:**	
CIM Keywords:		**Originally Closed in Version:**	CIM11
Breaking Change:	No	**Origination Date:**	03/05/2008
Breaking Change Description:		**Origination ID:**	810
CIM Impacted Groups:	WG13	**Originally Assigned To:**	
Requestor:			

Description

There are no 'type' information in reverseDifferences and reverseDifference segments. That means, in order to, consume this CIM/XML segment, one has to search the whole base model for the instance solely based on rdf:ID for each UPDATE, apparently, not acceptible for large models like ERCOT's, which contains millions of instances.

Proposed Solution

A simple solution is to add type information in the UPDATE segment
<rdf:Description rdf:about="#_39E4E3051C704DCCA42345E4812DCD07">
<rdf:type rdf:resource="http://iec.ch/TC57/2003/CIM-schema-cim10#Terminal"/>
<cim:Terminal.ConnectivityNode rdf:resource="#_612FA147902C4F88BE3F0302B3750B18"/>
</rdf:Description>

Decision

2009-04-14: KLH - Issue has been sent to Hans-Joachim Diehl to be considered for the next revision of 552-4.