WG13 Issues - CIM Issues #3994

Clean up of ShuntCompensator nomS, nomU, minU, and maxU Wh

09/14/2021 03:43 PM - Herbert Falk

Status:	Closed		
Priority:	Normal		
Target version:			
Author/Contact Info:	Kendall Demaree	**Standard(s):**	
Base Release:	61970cim14v15	**Version:**	
Solution to be Applied To:	61970cim14v15	**Clause:**	
Solution Version:	CIM16	**Sub-Clause:**	
Solution Applied By:	KDD	**Paragraph:**	
Completion Date:	02/18/2011	**Table:**	
CIM Keywords:		**Originally Closed in Version:**	CIM16
Breaking Change:	No	**Origination Date:**	02/15/2011
Breaking Change Description:		**Origination ID:**	13_37
CIM Impacted Groups:	WG13	**Originally Assigned To:**	
Requestor:			

Description

Clean up of ShuntCompensator nomS, nomU, minU, and maxU Why do we model the nomS, and why the nomU. These are not needed. Also the minU and maxU are rather odd attributes and might be either deleted or documented more clearly as limits of safe operation. The minU is confusing because these could be confused with voltage at which to operate or switch the cap. The nomU is the only one of these attributes in the 452 profile, but I don't see why it is needed for powerflow, because we don't have nomQ in the profile. Also documenation of normalSections is inappropriately tied to other attribues and confuses the normal and nominal, which are different.

Proposed Solution

Delete nomU, nomQ, minU, maxU.   Clarify normalSections is just the normal value of sections switched on. Remove the cross attribute linkages in meaning which are cumbersome.

Decision

(2011-0216) Delete reactivePerSection,minU,maxU, nomQ and keep nomU in UML. OperationalLimits and regulator model are a replacement for these. Agree reactivePerSection can be dropped from 452, since bPerSection is same thing. Fix doc of nomU as just "rated voltage".   Fix doc on integer attributes to not reference deleted nomQ.