

WG13 Issues - CIM Issues #4006

Undocumented GeneratingUnit attributes

The following attrib

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

Status: Closed	
Priority: Normal	
Target version:	
Author/Contact Info: E Karasov Monitor Electric kapaceb@smolen.ru	Standard(s):
Base Release: 61970cim15v01	Version:
Solution to be Applied To: 61970cim15v26	Clause:
Solution Version: CIM16	Sub-Clause:
Solution Applied By: KDD	Paragraph:
Completion Date: 05/26/2011	Table:
CIM Keywords:	Originally Closed in Version: CIM16
Breaking Change: No	Origination Date: 06/06/2007
Breaking Change Description:	Origination ID: 390
CIM Impacted Groups: WG13	Originally Assigned To:
Requestor:	
Description Undocumented GeneratingUnit attributes The following attributes lacks documentation - GeneratingUnit.dispReserveFlag - GeneratingUnit.energyMinActivePower - GeneratingUnit.fastStartFlag - GeneratingUnit.fuelPriority - GeneratingUnit.lowerRampRate - GeneratingUnit.raiseRampRate - GeneratingUnit.spinReserveRamp - GeneratingUnit.stepChange	
Proposed Solution (2010-12-14 email to WG13) The following attributes lacks documentation GeneratingUnit.dispReserveFlag:Boolean - GeneratingUnit.energyMinActivePower (now called energyMinP) : HeatRate [CIM is documented= Heat generated, in energy per time unit of elapsed time] GeneratingUnit.fastStartFlag:Boolean GeneratingUnit.fuelPriority:Integer GeneratingUnit.lowerRampRate:ActivePowerChangeRate GeneratingUnit.raiseRampRate:ActivePowerChangeRate GeneratingUnit.spinReserveRamp:ActivePowerChangeRate GeneratingUnit.stepChange:ActivePower On the following I got positive feedback from our generation team: fastStart - Indicates the generating unit has a fast start capability and implies the generating unit can potentially contribute to spinning reserve even while not spinning. lowerRampRate - The normal maximum rate the generating unit active power output can be lowered by control actions. raiseRampRate - The normal maximum rate the generating unit active power output can be raised by control actions. The other attributes listed were recommended to be removed from standard.	
Decision 2010-12-07/LOO The attributes are related to AGC. The issue closed in wait for a use case.	

Kendall will add the documentation.

(2011-02-16 kdd) Recommend follow suggestion to delete undocumented attributes and documente lowerRampRate, raiseRampRate and fastStart.

(2011-05-26 KDD) Added documenation as suggested and put off deletions until CIM16 because model is frozen. Issue closed and new issue 13_49 created on remaining items to be deleted in CIM16.

All attributes of GeneratingUnit had a period added at end according to IEC documentation guidelines.

Attribues to be deleted (issue 13_49) with no documentation were documented as "Recommended to be deleted from standard."