Hi Pat,

thanks for the detailed reply, we appreciate it.

Following some clarifications about some of our questions:

**2) Limits for Switches**

The question is related to the task, how this limits can be modelled in our software. But we think to have a solution. In my understanding this current limit for switches needs to be provided only, if the switch is the limiting component on the circuit. If there is no switch being the limited component in a license area, no overall *OperationalLimitSet* and *CurrentLimit* referring to switches must be provided. Please confirm.

**4) EquivalentBranch**

I’m referring to the following sentence in section 4.3.2.11 on page 49 of the LTDS Grid Modelling Annex 1: Grid Modelling Guidelines:

*“More complex modelling of external areas is required when flows between connection points in the external grid have impact.”*

I think EquivalentBranches can be useful in such more complex modelling requirements. However, it should be possible to avoid the usage of EquivalentBranches by defining good positions for EquivalentInjections in the network reduction. But it may happen that the DNO is forced to reduce the network more than necessary in order to avoid the creation of EquivalentBranches. If this acceptable, we can forgo this object class.

**5) Short-Circuit Calculation**

This explains the small amount of SC data in LTDS and maybe also why the object class EquivalentNetworkInjection is not used. We’re missing fundamental SC data like the short-circuit power of the overlaying grid (represented by EquivalentNetworkInjection.maxInitialSymShCCurrent etc). Is intended to add this object class in the near future or do we have to deal with EquivalentInjection for all external connections?

Best regards,

André