

In an exchange we would have:

- Initial case for load flow (non solved model) would be = EQ+TP+OH
- Solved model would be = EQ+TP+OH+SV

I noticed that Terminal.connected is optional in TP. Any reason not to be required?

IOP Call reply: Terminal.connected should be in TP as required

For the TapChanger and ShuntCompensator the assumption is that these are for the initialization of the load flow

Load, generation, injection issue

- we need P and Q for all these Load, generation, injection. Similar approach could be applied as for SV, i.e. we may just need 2 classes OhInjection associated with the ToplogicalNode and OhPowerFlow associated with Terminal
- We need to think if LoadResponseCharacteristics is a candidate to be moved in the OH profile
- we need to pay attention that for the voltage dependent load we need nominal values in OH. The SV will bring the solution (the voltage dependent value)

IOP call:

I. actualP, actualQ, on EnergyConsumer, GeneratingUnit, SynchronousMachine, Equivalent classes/package, AsynchronousMachine, EnergySource, etc.

We have 2 possibilities

- 1) associate with terminal
- 2) add additional attributes to the existing classes; we need to know to which

II. Naming of the attributes should be consistent with TapChanger, ShuntComp.

III. LoadResponseCharacteristics – stays in EQ

IV. More discussion needed: we need to pay attention that for the voltage dependent load we need nominal values in OH. The SV will bring the solution (the voltage dependent value)