**Vattenfall Issue #2:**

To ease configuration between multiple tools, usage of description could be useful. This can be applied at different level. This has to be explained in Part 4, in engineering process explanation. Proposal to add at the end of §5.3.1 following explanation.

The following proposal is using SCL concept which is defined in §5.3.3

[The standard SCL language defined in IEC 61850-6 allows configuration data exchange between system configuration tool and IED configuration tool as well as between two different system configuration tools respective projects, and also of the functions and communication capabilities of IEDs, which might be used as external inputs to the system configuration tool for product selection.]

This definition of SCL should be move into §5.3.1

**Proposal:**

[*To enable interoperable exchange of engineering data between IED parameterization tools of*

*different manufacturers and the system configuration tool, as well as between different system*

*configuration tools handling different system parts as separate projects, appropriate configuration*

*data exchange formats are defined in IEC 61850-6.*]

These exchanges are realized by mean of IEC 61850-6 files exchange between tools, files which contain description of IEDs or system (partial or complete description). This description cover (among others) the definition of the primary system (electrical devices) and functional description of the IEDs. These definitions are partially fixed by the standard and names are often not sufficient to express the real need of a user. A detailed description may be added to express user definition. This description can be defined using SCL elements with attribute *desc* or with a text attached to the element itself (As per definition of IEC 61850-6 §8).

These descriptions may be defined during system specification activity using specific attributes of SCL at any level of the process/substation description hierarchy (as defined in IEC 61850-6). This will allow user give more details on the given parts of the system.

And these descriptions may also be defined during parameterization activity using specific data attribute of the data model of IEDs integrated into the system (as defined in IEC 61850-7-3). This will allow user to given a meaning for IEDs data in the context of the project and also additional information usable during the engineering of the system. This description can be defined in any DO using DA *d* or *dU* when defined in the model of the IED.

Add Text + nsd