IEC 61850 User Feedback Task Force - Feature #443

Requirement for guideline - generic interfacing logical nodes are used for outputs and inputs (destroys the semantic meaning of signals)

02/03/2021 02:07 PM - Herbert Falk

Status:	Closed	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Profile or Guideline	**Estimated time:**	0.00 hour
Target version:			
ID:	6	**To discuss in WG10:**	
Source:	Vattenfall	**Short Proposal:**	Ed 2 partly solves this issue. The guideline should describe the prefered way.
TF Unique ID:	6 # Vattenfall	**Standard(s):**	IEC 61850-7-1
WG10 Proposal:	Closed because solved with 7-1 (part ExtRef), part 6 ED 2.1 annex H and by issue#5 ENTSO-E (generic interface LN).	**Needs More Information:**	
Estimated Completion:		**Assigned TF:**	
Discuss in Upcoming Meeting:	No		

Description

Common vendor practice is to have generic interfacing logical nodes for outputs and inputs. This destroys the semantic meaning of signals. Likewise the use of inputs to generic LN (e.g. LDO) rather than the LN actually using the input makes documentation of information flow from SCL difficult. In order for the information flow to be recreated from SCL (without referring to propriety configuration information in vendor tools) it is required that Ed2 srcLN attributes are used in Input/ExtRef elements and that relevant placement of Inputs is enforced (according to part 6§9.3.13). We see this as an issue for both profiling and description in guidelines within the standard. Guideline for using SCL as documentation is specifically needed.

History

#1 - 02/11/2021 07:58 AM - Vladan Cvejic

- Subject changed from Common vendor practice is to have generic interfacing logical nodes for outputs and inputs. This destroys the semantic meaning o to Requirement for guideline - generic interfacing logical nodes are used for outputs and inputs (destroys the semantic meaning of signals)

- Description updated

- Status changed from New to Closed

- Standard(s) set to IEC 61850-7-1

- Discuss in Upcoming Meeting set to No

Checking done.