IEC 61850 User Feedback Task Force - Bug #459

No mechanism in SCL to indicate if the SCT can define/delete/edit RCBs/ExtRefs

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

Status:	Closed		**Start date:**		
Priority:	High		**Due date:**		
Assignee:			**% Done:**	0%	
Category:	Already captured with TISSUE		**Estimated time:**	0.00 hour	
Target version:					
ID:	16		**To discuss in WG10:**		
Source:	IOP_2013		**Short Proposal:**	61850 allows ExtRefs to be defined in any logical node. No clarifications needed, but UCA needs to improve conformance testing to fail devices violating this. Possibly clarification in part 6 §9.3.13 to be considered.For RCBs on the other hand it makes sense to have them (like for GoCB) only on LN0. however this is not a restriction in the standard. This is task for vendor guideline from UCA, not WG10.	
TF Unique ID:	16 # IOP_2013		**Standard(s):**	IEC 61850-6	
WG10 Proposal:	refer to 1402 TISSUE (related to the 1257)		**Needs More Information:**		
Estimated Completion:			**Assigned TF:**		
Discuss in Upcoming Meeting:	No				

Description

There was an ICT/IED combination that only allowed RCBs and ExtRefs to be defined in a certain LD/LN. It did not allow any RCBs/ExtRefs to be defined for any other LD/LN combination. The SCT attempted to define RCBs/ExtRefs in other logical nodes through and SCD. The import of the SCD was refused.
61850 allows ExtRefs/RCBs to be defined in any logical node. However, there is no mechanism in SCL for an ICT to declare where it is legal to do so or what the semantics required for ExtRef are.

History

#1 - 02/03/2021 04:00 PM - Herbert Falk

- Priority changed from Normal to High

#2 - 02/11/2021 06:08 AM - Carlos Rodriguez del Castillo

- Subject changed from There was an ICT/IED combination that only allowed RCBs and ExtRefs to be defined in a certain LD/LN. It did not allow any RCBs/ to No mechanism in SCL to indicate if the SCT can define/delete/edit RCBs/ExtRefs

- Category changed from Standard extension required to Already captured with TISSUE

- Short Proposal changed from 61850 allows ExtRefs to be defined in any logical node. No clarifications needed, but UCA needs to improve conformance testing to fail devices violating this. Possibly clarification in part 6 §9.3.13 to be considered.
For RCBs on the other hand it makes sense to have them (like for GoCB) only on LN0. however this is not a restriction in the standard. This is task for vendor guideline from UCA, not WG10. to 61850 allows ExtRefs to be defined in any logical node. No clarifications needed, but UCA needs to improve conformance testing to fail devices violating this. Possibly clarification in part 6 §9.3.13 to be considered.For RCBs on the other hand it makes sense to have them (like for GoCB) only on LN0. however this is not a restriction in the standard. This is task for vendor guideline from UCA, not WG10.

- Standard(s) set to IEC 61850-6

- Discuss in Upcoming Meeting set to No

Checking done

#3 - 09/28/2021 07:48 AM - Thierry Dufaure

Later Binding and ServiceCapability.noIctBinding was introduced in SCL Ed2.1 to deal with ICTs that do not support definition of ExtRef in any LN.

If an ICT does not support definition of RCB in any LN, then it has to preconfigure the RCB where it wants them to be. According to Part 6 Ed2.1: if no value of ReportSettings is fix, the SCT can delete and add ReportControls up to the defined max value.

#4 - 06/21/2022 09:00 AM - Carlos Rodriguez del Castillo

- Status changed from New to Closed