IEC 61850 User Feedback Task Force - Feature #619

New LN of group L (as "LTED") to represent the dynamic topology of the substation.

02/16/2021 01:38 AM - Carlos Rodriguez del Castillo

Status:	Resolved	**Start date:**	10/23/2020
Priority:	Normal	**Due date:**	
Assignee:	Carlos Rodriguez del Castillo	**% Done:**	0%
Category:	Standard extension required	**Estimated time:**	0.00 hour
Target version:			
ID:	15	**To discuss in WG10:**	No
Source:	RTE	**Short Proposal:**	New task force to address the work.
TF Unique ID:	15 # RTE	**Standard(s):**	
WG10 Proposal:	Was addressed in last WG10 plenary meeting. Decision: It has to be addressed in a Task Force. In order to create the TF, we have to wait for another existent TF to finished. Open: WG17 or WG10 to lead the work.	**Needs More Information:**	No
Estimated Completion:	Need to wait for a TF finalization to start this new one.	**Assigned TF:**	
Discuss in Upcoming Meeting:	No		

Description

Details:
Some functions need to know the current topology of the substation.
For doing that,
- 1 LN LTED is instanciated for each feeder connected to the busbar and for each busbar segment.
- ElNodeRef indicates the reference number of the electrical node of the busbar to which the LN is associated, calculated on the base of its actual topology (disconnector and circuit breaker position).
- ElNodeNum indicates the total number of electrical nodes into which a busbar is splitted on the base of its actual topology (disconnector and circuit breaker position).
- ElNodeVTRef is used by the LD publishing voltage information (SV or PhV). Only one LD can adopt the number of the Electrical Node. This LD published the busbar voltage reference for corresponding electrical node, indicating if this voltage is to be used as voltage reference for an Electrical Node. If not, its value is set to zero.

Argument: Needed for some PACS functions.

Related issues:

Copied to IEC TC57 WG10 Future Work - WG10 Future Work #5943: New LN of group...	**New**	**10/23/2020**

History

#1 - 02/16/2021 01:39 AM - Carlos Rodriguez del Castillo

- *Status changed from New to In Progress*

#2 - 02/16/2021 01:39 AM - Carlos Rodriguez del Castillo

- *Status changed from In Progress to New*

#3 - 02/16/2021 01:41 AM - Carlos Rodriguez del Castillo

- *Status changed from New to Resolved*

- *Short Proposal set to New task force to address the work.*

- *WG10 Proposal set to Was addressed in last WG10 plenary meeting. Decision: It has to be addressed in a Task Force. In order to create the TF, we have to wait for another existent TF to finished. Open: WG17 or WG10 to lead the work.*

- *Estimated Completion set to Need to wait for a TF finalization to start this new one.*

It is an open question which WG will lead the work: WG17 or WG10.

#4 - 02/16/2021 01:56 AM - Carlos Rodriguez del Castillo

- Start date changed from 10/07/2020 to 10/23/2020

#5 - 03/02/2021 09:29 AM - Carlos Rodriguez del Castillo

- Assignee set to Carlos Rodriguez del Castillo

- Discuss in Upcoming Meeting changed from Yes to No

- To discuss in WG10 set to No

2021-03-02: Carlos check with Christoph Brunner to put this need in the Future Work spreadsheet.

#6 - 08/09/2022 08:17 AM - Vladan Cvejic

- Copied to WG10 Future Work #5943: New LN of group L (as "LTED") to represent the dynamic topology of the substation. added

#7 - 05/09/2023 09:32 AM - Carlos Rodriguez del Castillo

- Needs More Information set to No