IEC 61850 User Feedback Task Force - Improvement #629

TCTR and TVTR new DO to identify physical terminal allocation in the IED

02/16/2021 02:13 AM - Carlos Rodriguez del Castillo

Status:	Resolved	**Start date:**	12/17/2020
Priority:	Normal	**Due date:**	08/16/2021
Category:	Standard extension required	**% Done:**	0%
Target version:		**Estimated time:**	0.00 hour
ID:	35	**To discuss in WG10:**	No
Source:	RTE	**Short Proposal:**	Describe analog I/O similar to LDPI/LDPO for digital I/O.
TF Unique ID:	35 # RTE	**Standard(s):**	IEC TR 61850-90-29
WG10 Proposal:		**Needs More Information:**	No
Estimated Completion:		**Assigned TF:**	61850-90-29 - Physical resource management
Discuss in Upcoming Meeting:	No		

Description

Need to have a new DO to identify the physical terminal allocation of a TVTR and TCTR.
We want to have a DO that allows to identify that a LN TVTR and a LN TCTR. This new DO will describe the physical VT / CT interface, as done in LPDI / LPDO for digital I/O.
Helpful for maintenance and exploitation of the system.

Proposal descriptions

Routed to task force 90-29 "Physical I/O description". Will be discussed after circulation of the TR 90-29.

History

#1 - 02/16/2021 02:14 AM - Carlos Rodriguez del Castillo

- Description updated

#2 - 02/16/2021 02:15 AM - Carlos Rodriguez del Castillo

- Status changed from New to In Progress

- Short Proposal set to Describe analog I/O similar to LDPI/LDPO for digital I/O. Check with task force "Physical I/O description"

- Standard(s) deleted (IEC 61850-7-4)

Meeting 2020-12-17:
The idea is to describe in the model the analog I/O similar to the LDPI/LPDO for digital I/O. To check with the task force in charge of the physical I/O description data model. It seems the analog I/O modelled in this task force is only related to mA inputs for temperature and this kind of things.
A dedicated logical node or a new DO inside TVTR and TCTR.
UF to check with the task force in charge of physiscal I/O description.

#3 - 02/16/2021 04:08 AM - Carlos Rodriguez del Castillo

- Due date set to 08/16/2021

- Status changed from In Progress to Triage

- Short Proposal changed from Describe analog I/O similar to LDPI/LDPO for digital I/O. Check with task force "Physical I/O description" to Describe analog I/O similar to LDPI/LDPO for digital I/O.

- Proposal descriptions updated

- To discuss in WG10 set to No

#4 - 03/02/2021 09:57 AM - Carlos Rodriguez del Castillo

- Proposal descriptions updated

2021-03-02: RTE to provide a more detailed use case.

#5 - 03/02/2021 10:04 AM - Carlos Rodriguez del Castillo

- Proposal descriptions updated

2021-03-02: DPL.location could be used for identifying the bay level, but not for physical connection

#6 - 06/21/2022 08:20 AM - Carlos Rodriguez del Castillo

Clarification needed: "is it enough to put inside substation section instead of a DO (through data model)?"
TF group does not think that every SCL feature should be mapped into a DO, online model.

#7 - 07/05/2022 02:36 AM - Maud Merley

Precision about the use case : to be able to indicate the link between the IED and the physical terminal of Instrument Transformer or bay terminal block. The use of boundary LN, in a similar approach than digital inputs / outputs with LPDI / LPDO, could be a solution. This issue was sent to Physical Ressources TF (Dehui Chen) on 2021-03-10, proposal to discuss these new issues after circulation of the TR 90-29.

#8 - 07/05/2022 08:15 AM - Vladan Cvejic

- Subject changed from TCTR and TVTR new DO to identify common bay level to TCTR and TVTR new DO to identify physical terminal allocation in the IED

- Description updated

- Status changed from Triage to Resolved

- Discuss in Upcoming Meeting changed from Yes to No

- Proposal descriptions updated

- Standard(s) set to IEC TR 61850-90-29

#9 - 05/09/2023 09:32 AM - Carlos Rodriguez del Castillo

- Needs More Information set to No

#10 - 11/21/2023 01:04 AM - Vladan Cvejic

- Discuss in Upcoming Meeting changed from No to Yes

#11 - 11/21/2023 02:39 AM - Michael Haecker

The physical terminal allocation of a TVTR and TCTR is considered in 90-29. The model can be seen in the CD with is in circulation.

#12 - 01/16/2024 08:11 AM - Carlos Rodriguez del Castillo

- Discuss in Upcoming Meeting changed from Yes to No

- Assigned TF 61850-90-29 - Physical resource management added