

IEC TC57 WG10 Future Work - WG10 Future Work #6578

Extension of the AddCause required to reflect communication issues in multi level control

11/07/2023 08:27 AM - Vladan Cvejic

Status:	New	Start date:	04/01/2022
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Standard(s):	IEC 61850-7-2; IEC 61850-8-1, 80-6
Source:	TF 61850-80-6	Needs More Information:	Yes
TF Unique ID:	4 # 80-6	Assigned TF:	61850-7-2, 61850-8-1, 61850-80-6 Substation to Control Centre Communication
WG10 Proposal:		Target edition:	Next
Discuss in Upcoming Meeting:	No		
Short Proposal:			

Description

During the review of the control model of the Proxy/Gateway in IEC 61850-80-6 we found that the existing enumeration for the AddCause does not include values to reflect the situation where the Proxy/Gateway issues a negative confirmation to the control center client when the communication with the underlying IED that executes the command is disturbed, or the connection to the device is lost.

This issue is not only relevant for the communication to the control center, but on always when the control action involves more than one communication level, e.g. Substation Scada to Breaker IED via an bay controller IED.

Attached is a slide set which explains the need and proposes the new enumerated values for the AddCause.

Proposal descriptions

TF IEC 61850-80-6 proposed to extend the enumeration for the AddCause with 2 new ACSI values

ACSI value	MMS value
Communication-timeout	28
Communication-lost	29

Related issues:

Copied from IEC 61850 User Feedback Task Force - Feature #5336: Extension of ... **In Progress** **04/01/2022**

History

#1 - 11/07/2023 08:27 AM - Vladan Cvejic

- Copied from Feature #5336: Extension of the AddCause required to reflect communication issues in multi level control added

#2 - 02/08/2024 01:50 AM - Vladan Cvejic

- Target edition changed from Not assigned to Next

- Assigned TF 61850-7-2, 61850-8-1, 61850-80-6 Substation to Control Centre Communication added

Files

AddCause.pdf	758 KB	04/01/2022	Andreas Ostermeier
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