

IEC 61850 User Feedback Task Force - Support #415

Standard is written in general opinion that Ethernet is fully capable to carry all its tasks

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

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category: Implementation - improve conformance testing	Estimated time: 0.00 hour
Target version:	To discuss in WG10:
ID: 7.1	Short Proposal: Some devices do not support to configure FCDA, but this is not conform to the standard and should be identified by conformance testing. In ed2 it is intended to make it mandatory to support all levels (MMXU.PhV, MMXU.PhV.phsA, MMXU.PhV.phsA.mag).
Source: ENTSO-E	Standard(s): IEC 61850-7-2
TF Unique ID: 7.1 # ENTSO-E	Needs More Information:
WG10 Proposal: 7-2Ed2 § 13.2.2.3 already declares all mandatory. Conformance testing for Ed2 must be extended to verify that based on tissue that needs to be created for part 10.Closed because it is done	Assigned TF:
Estimated Completion: (41579)Conformance tests : SDS15, SRP15, SGOPxx	
Discuss in Upcoming Meeting: No	
Description <p>Standard is written in general opinion that Ethernet is fully capable to carry all its tasks. Too often huge amount of data are transferred to the MMS client because the information that is needed cannot be separated in the model. Typical example is sending entire DO structure for measurements when only measurement value and quality are needed. Guidelines for data modeling are needed.</p> <p>This is not solved by support of DataSets with FCDA because in Standard Ed1 (page 86, 7-2) is defined that if elements of DataSet are stVal, q and t (as attributes!), on change of stVal report will be sent only with stVal (without q and t). So, even if device support DataSet with FCDA, it won't send all elements of the structure that are requested/required.</p> <p>IEDs shall support each variant of FCDs and FCDAs in their DataSet configuration. For example FCD with only first part of the Data Object Name, as well as FCDs and FCDAs with more levels.</p>	

History

#1 - 02/03/2021 02:42 PM - Herbert Falk

- Status changed from New to Closed

#2 - 02/11/2021 08:01 AM - Carlos Rodriguez del Castillo

- Subject changed from Standard is written in general opinion that Ethernet is fully capable to carry all its tasks. Too often huge amount of data are to Standard is written in general opinion that Ethernet is fully capable to carry all its tasks

- Short Proposal changed from Some devices do not support to configure FCDA, but this is not conform to the standard and should be identified by conformance testing.

In ed2 it is intended to make it mandatory to support all levels (MMXU.PhV, MMXU.PhV.phsA, MMXU.PhV.phsA.mag). to Some devices do not support to configure FCDA, but this is not conform to the standard and should be identified by conformance testing. In ed2 it is intended to make it mandatory to support all levels (MMXU.PhV, MMXU.PhV.phsA, MMXU.PhV.phsA.mag).

- Standard(s) set to IEC 61850-7-2

- WG10 Proposal changed from 7-2Ed2 § 13.2.2.3 already declares all mandatory. Conformance testing for Ed2 must be extended to verify that based on tissue that needs to be created for part 10.

Closed because it is done to 7-2Ed2 § 13.2.2.3 already declares all mandatory. Conformance testing for Ed2 must be extended to verify that based on tissue that needs to be created for part 10. Closed because it is done

- Estimated Completion changed from (41579)

Conformance tests : SDS15, SRP15, SGOPxx to (41579) Conformance tests : SDS15, SRP15, SGOPxx

- Discuss in Upcoming Meeting set to No

Checking done.