

IEC 61850 User Feedback Task Force - Improvement #5955

Indicate typical SIUnit for every DO with CDC MV would help users + Add a dedicated attribute in NSD files instead of having it in the description ?

08/26/2022 08:20 AM - Aurelie Dehouck

Status:	Resolved	Start date:	08/26/2022
Priority:	Normal	Due date:	10/25/2022
Category:	Standard clarification required	% Done:	0%
Target version:		Estimated time:	0.00 hour
ID:		To discuss in WG10:	No
Source:	EDF	Short Proposal:	
TF Unique ID:		Standard(s):	
WG10 Proposal:		Needs More Information:	No
Estimated Completion:		Assigned TF:	
Discuss in Upcoming Meeting:	No		
Description			
In IEC61850-7-4, some DO with CDC MV have a SIUnit that is indicated in the description of the DO. Example : in MMET, DO EnvTmp of CDC MV has the description : "Temperature of environment [°C]." But a lot do not have any. It would be interesting for the comprehension of the semantic of the DO, to indicate a SIUnit for every DO with CDC MV (or indicate clearly if it has no unit)			
In addition, it could be interesting to add a dedicated attribute for this purpose, in the NSD files, instead of having this information in the description			
Related issues:			
Copied to IEC TC57 WG10 Future Work - WG10 Future Work #5966: Indicate typica...			New 08/26/2022

History

#1 - 08/26/2022 08:21 AM - Aurelie Dehouck

To include also in IEC 61400

#2 - 08/30/2022 01:59 AM - Carlos Rodriguez del Castillo

- Discuss in Upcoming Meeting changed from No to Yes

#3 - 09/13/2022 09:03 AM - Carlos Rodriguez del Castillo

- Discuss in Upcoming Meeting changed from Yes to No

A couple of possibilities:

- Make SIUnit mandatory in all analogue objects
- Requires the description in NSD to include SIUnit: Does not solve the problem as the real SIUnit in a device can be different
- To declare a default SIUnit in every analog object: Maybe problem with NSD...
- Additional column in data objects (7-4) to indicate default SIUnit
Take into account that if you want to define a multiplier different than one (1), then SIUnit is mandatory and the unit is defined.
Decision: "Future work, for edition 3". Improvements in units is needed. We need a consistent solution over all parts of the standard. Trying to be backward-compatible.

#4 - 09/13/2022 09:04 AM - Vladoan Cvejic

- Copied to WG10 Future Work #5966: Indicate typical SIUnit for every DO with CDC MV would help users + Add a dedicated attribute in NSD files instead of having it in the description ? added

#5 - 10/25/2022 09:23 AM - Vladan Cvejic

- *Due date set to 10/25/2022*

- *Status changed from New to Resolved*

#6 - 05/09/2023 09:32 AM - Carlos Rodriguez del Castillo

- *Needs More Information set to No*

#7 - 05/09/2023 09:33 AM - Carlos Rodriguez del Castillo

- *Discuss in Upcoming Meeting changed from No to Yes*

#8 - 06/05/2023 01:58 AM - Carlos Rodriguez del Castillo

- *Discuss in Upcoming Meeting changed from Yes to No*