IEC TC57 WG10 Future Work - WG10 Future Work #6156

https://iec61850.tissue-db.com/tissue/1748   Arrays of CDC

10/18/2022 07:52 AM - Henry Dawidczak

Status:	New		**Start date:**	10/18/2022
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				
Source:	Tissue DB		**Standard(s):**	IEC 61850-7-3
TF Unique ID:			**Needs More Information:**	No
WG10 Proposal:			**Assigned TF:**	61850-7-3
Discuss in Upcoming Meeting:	No		**Target edition:**	Next
Short Proposal:				

Description

From Tissue:
"Issue

Some fault location algorithms for tapped lines return several possible places(the amount is changed from one case to another) where a fault could be. As far as RFLO.FltDiskm belongs to CDC MV it is not possible to wrap such family of algorithms by LN RFLO due to the impossibility to define the array of float values according to IEC61850 rules. It is impossible to solve it even by adding custom DO because no suitable CDCs, and custom CDCs are prohibited.
An ideal solution would be a possibility to define arrays of standard CDC, but there is no such option now.
Existing HMV CDC contains some mandatory attributes as Frequency, numCyc and so on, that makes no sense here.

Proposal

I would propose several options to address that issue:
1. Adding the way to define arrays of standard CDC
2. Defining the standard CDC that contains an array of float values.
3. Setting presence condition for RFLO.FltDiskm to Omulti"

The discussion of the tissue hadn't finished yet. A forth proposal were given to add a new DO FLtDiskm?? with Omulti.

History

#1 - 06/21/2023 01:48 AM - Vladan Cvejic

- Tracker changed from WG10FutureWork to WG10 Future Work

- Source deleted (Tissue DB)

- Discuss in Upcoming Meeting deleted (No)

#2 - 06/21/2023 02:06 AM - Vladan Cvejic

- Source set to Tissue DB

- Discuss in Upcoming Meeting set to No

- Needs More Information set to No

#3 - 10/26/2023 02:37 AM - Vladan Cvejic

- Target edition set to Not assigned

#4 - 10/26/2023 05:15 AM - Vladan Cvejic

- Standard(s) set to IEC 61850-7-3

- Target edition changed from Not assigned to Next

- Assigned TF 61850-7-3 added