Server - Issues #6722

sGop10 PIXIT reference needed ?

02/26/2024 05:13 AM - christian zehnder

Status:	In Progress	**Due date:**	05/28/2024
Priority:	Normal		
Assignee:	Richard Schimmel		
Category:			
Target version:			
Discuss in Upcoming Meeting:	No	**Updated Test Document:**	
Clause Reference:		**Test Case ID:**	
61850 Standard:		**Closed Reason:**	Test Procedure Update
Triggering Tissue:	5954	**Triggering Tissue 2:**	
Final Decision:		**Triggering Tissue 3:**	
Initial Test Document:	Conformance Test Procedures for Server Devices with IEC 61850-8-1 ,Edition 2 Amendment 1 interface Revision Rev1.2		

Description

In TPCL Ed2.1 v1p2 sGop10 detail was missing as reported in Issue 5954. It was agreed to add the one from V1p1. sGop10 is mandatory and contains 2 steps to test FCDA and/or FCD according to PIXIT. There is no PIXIT reference.
If dataset are configurable both steps are "applicable" ~~>mandatory. If fixed one seems ok.~~
PIXIT Gp8 is for edition 1 only. Shall we reference to this or create new one?
- If DS are fixed it seems only one step needs to be tested. Whatever is implemented. So FCDA is not mandatory (as its was in ED1)
- Do we need a PIXIT entry at all? If fixed tester cannot modify he can check what exists. If its configurable both steps are applicable. Is configurable IED allowed to support only FCDA or FCD? Then we need Pixit.

Background: Discussion what needs to be supported in a fixed server. Only FCDA seems ok. If not fixed they would be forced to implement FCD too.

History

#1 - 04/02/2024 09:17 AM - IEC 61850 TPWG

- Due date set to 04/16/2024

#2 - 04/16/2024 05:44 AM - Richard Schimmel

In Redmine [#5954](#) we added PIXIT reference to sGop10: PIXIT: Gp11 Ed2

When data set is fixed does the GOOSE data set contain:
- structured data objects (FCD)   Y/N
- timestamp data attributes   Y/N

See also draft TP1.3. I think this resolves the issue.

#3 - 04/16/2024 08:40 AM - IEC 61850 TPWG

- Due date changed from 04/16/2024 to 04/30/2024

#4 - 04/17/2024 05:02 AM - Goran Pregrad

I think wording sould be impoved so it is obvious that for configrable data sets it is mandatory to execute both steps. Proposal is that at least Comment section sais:

"Tested with FCDA and/or FCD. If datasets are configurable then both steps are ~~applicable~~ mandatory."

Should we add another line in Gs11 for FCDA, like this:

```
When data set is fixed does the GOOSE data set contain:
- structured data objects (FCD) Y/N
- *data objects (FCDA) Y/N*
```

```
- timestamp data attributes Y/N
```

In my opinion, if response on first bulet is "Y" for FCD, that has no implication if FCDA is supported.

#5 - 04/30/2024 06:45 AM - christian zehnder

Agree. Both steps reference to PIXIT. Propose do keep it general, basically it does not depend if fixed or configurable.

Does the GOOSE data set support:
- structured data objects (FCD) Y/N
- data objects (FCDA) Y/N
- timestamp data attributes Y/N

#6 - 04/30/2024 08:16 AM - IEC 61850 TPWG

- Due date changed from 04/30/2024 to 05/28/2024

- Status changed from New to In Progress

- Assignee set to Richard Schimmel

Accepted.

#7 - 05/02/2024 09:41 AM - Richard Schimmel

- File Solution to redmine 6722 sGop10 PIXIT.docx added

Updated the sGop10 comment and added FCDA to the PIXIT entry.
I kept the "when dataset is fixed" because when configurable FCD/FCDA/Time are mandatory.
See solution file.

Files

Solution to redmine 6722 sGop10 PIXIT.docx	21.8 KB	05/02/2024	Richard Schimmel