Solution to redmine 6518

### Functional constraint object non-volatility ambiguous - TISSUE 1822

Dec 19, 2023

Test procedure needs to add steps to consider writable CF, SP, DC. Write CF/SP/DC, restart device, validate online changes are kept. Updated “For each functional constraint client requests at least one”

Table A4.2: add sSrv16 as conditional

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| 1a: Basic Exchange |  | PICS-SetDataValues: sSrv6, sSrv16, sSrvN1e, sSrvN3 |

Abstract

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| sSrv16 | Verify that the values in SetDataValues are non-volatile |

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| **sSrv16** | **Verify that the values in SetDataValues are non-volatile** | Passed  Failed  Inconclusive |
| IEC 61850-7-2 Table 54  IEC 61850-8-1 Subclause 20.6, 20.7 and 20.8  TISSUE #1822 | | |
| Expected result   1. DUT sends response+ 2. DUT sends response+ with the new value 3. DUT send Associate response+ 4. DUT sends response+ with the new value | | |
| Test description   1. For each functional constraint client requests at least one SetDataValues of a writable attribute with FC=SP, DC, EX with a new value which is different from the initial value in SCL 2. Client requests GetDataValues 3. Cause DUT restart by simulating a temporarily power outage and client requests associate 4. Client requests GetDataValues | | |
| Comment | | |

Add sSrv16 to the certificate template and increment the total count.