Solution to redmine 6633

### sRp15-sBr15 MMXU FCDA test description

Dec 19, 2023

Improve the SCL examples of FCDA elements of a dataset

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| **sRp15** | **Report with dataset with most to least data hierarchy FCDA elements** | [ ]  Passed[ ]  Failed[ ]  Inconclusive |
| IEC 61850-7-2 Subclause 10.2.2, 13.3.2, 13.3.6IEC 61850-8-1 Subclause 14.3 |
| Expected result1. In the SCL file the FCDA doName contains maximum one dot (for example doName=“neut.phsA” and daName=”cVal.mag.f”)2. DUT sends a SetURCBValues response+3. DUT sends the GI report with correct data references |
| Test description1. Reserve and configure one or more URCBs with one or more datasets with the least detailed data hierarchy to the most detailed data hierarchy available in the DUT data model. For example in the SCL file add the following FCDA elements:* <FCDA lnClass="MMXU" doName="PhV" fc="MX" />
* <FCDA lnClass="MMXU" doName="A.phsA" fc="MX" />
* <FCDA lnClass="MMXU" doName="A.phsB" daName=”cVal” fc="MX" />
* <FCDA lnClass="MMXU" doName="A.phsC" daName=”cVal.mag” fc="MX" />
* <FCDA lnClass="MMXU" doName="A.neut" daName=”cVal.mag.f” fc="MX" />

2. Client enables the URCB with all supported optional fields and trigger condition GI3. Client request GI |
| Comment |

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| **sBr15** | **Report with dataset with most to least data hierarchy FCDA elements** | [ ]  Passed[ ]  Failed[ ]  Inconclusive |
| IEC 61850-7-2 Subclause 10.2.2, 13.3.2, 13.3.6IEC 61850-8-1 Subclause 14.3 |
| Expected result1. In the SCL file the FCDA doName contains maximum one dot (for example doName=“neut.phsA” and daName=”cVal.mag.f”)2. DUT sends a SetBRCBValues response+3. DUT sends the GI report with correct data references |
| Test description1. Reserve and configure one or more BRCBs with one or more datasets with the least detailed data hierarchy to the most detailed data hierarchy available in the DUT data model. For example in the SCL file add the following FCDA elements:* <FCDA lnClass="MMXU" doName="PhV" fc="MX" />
* <FCDA lnClass="MMXU" doName="A.phsA" fc="MX" />
* <FCDA lnClass="MMXU" doName="A.phsB" daName=”cVal” fc="MX" />
* <FCDA lnClass="MMXU" doName="A.phsC" daName=”cVal.mag” fc="MX" />
* <FCDA lnClass="MMXU" doName="A.neut" daName=”cVal.mag.f” fc="MX" />

2. Client enables the BRCB with all supported optional fields and trigger condition GI3. Client request GI |
| Comment |