Solution to redmine 6780

### sGos23 PIXIT Gs12

May 6, 2024

The standard is very clear that in Mod=on the data with q=test (step 2) shall be "processed as invalid". The test procedure refers to PIXIT Gs13 to specify how the tester can verify the "invalid processing". Some vendors state in this PIXIT entry "process as valid" this shall not be allowed!

Clarify in the PIXT entry (and sGos23) that "processing as invalid" shall be different from "process as valid".

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| Gs12 |  | Amd1 | How does the subscriber “process data as invalid”?  (it is not allowed to process the data as valid)  Is this behavior: | Keep last non test value Y/N  Substitute to a configured value Y/N  Set derived quality to invalid: Y/N  Other: <describe>  fixed/configurable |

Update he expected result:

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| sGos23 | Verify that the DUT process GOOSE data values with quality test is true when the device is in test, and ignores such values when device is not in test | Passed  Failed  Inconclusive |
| IEC 61850-7-4 Annex A  PIXIT Sr5, Gs12 | | |
| Expected result  **2. and 5. DUT processes the data value flagged with quality test true as described in the PIXIT (for instance: keep last non test value, substitute to a configured value, ...) which shall be different from process as valid**  Other steps. DUT updates the value and sends a GOOSE message or Report with the changed value | | |