Solution to redmine 6817

**sBr25 purge only when attribute value change**

27 July 2024

Part 7-2 states that BRCB reconfiguration has the same effect as purging the buffer **if the attribute value changes.**

Some devices still do purge the buffer even if the attribute value does not change. This causes intop issue in the field. Propose to extend the sBr25 test to verify that if the attribute value is not changed the buffer is not purged

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| **sBr25** | **Buffer is purged on re-configuration** | Passed  Failed  Inconclusive |
| IEC 61850-7-2 Subclause 17.2.3, Table 37  IEC 61850-8-1 Subclause 17.2 | | |
| Expected result  3. dchg and integrity reports are received.  6. the EntryID is not the same as the EntryID in the last received report  8..12. The buffer is purged, purged reports are not transmitted. The first report has a report time stamp value  newer than the time of changing the entry in the BRCB which causes the buffer purge  13. The buffer is NOT purged, buffered reports are transmitted  14..18. The buffer is NOT purged, buffered reports are transmitted | | |
| Test description  1. Client reserves and configures a BRCB with all optional fields with the trigger options: data-change and  Integrity with a valid Integrity period  2. Client enables the BRCB (set RptEna to True)  3. EQUIPMENT SIMULATOR forces several data changes  4. Client requests Release  5. EQUIPMENT SIMULATOR forces several more data changes  6. Client re-establishes the association and requests GetBRCBValues  7. Client reserves and changes the RptID, when rptid is “dyn”  8. Client enables the BRCB and waits at least one integrity period  9. Repeat step 3 to 8 and at step 7, client changes the BufTm, when buftm is “dyn”  10. Repeat step 3 to 8 and at step 7, client changes the TrgOps, when trgops is “dyn”  11. Repeat step 3 to 8 and at step 7, client changes the IntgPd, when intgpd is “dyn”  12. Repeat step 3 to 8 and at step 7, client changes the DatSet, when datset is “dyn”  13. Repeat step 3 to 8 and at step 7, client changes the OptFlds, when optflds is “dyn”  14. Repeat step 3 to 8 and at step 7, client writes the same RptID value, when rptid is “dyn”  15. Repeat step 3 to 8 and at step 7, client writes the same BufTm value, when buftm is “dyn”  16. Repeat step 3 to 8 and at step 7, client writes the same TrgOps value, when trgops is “dyn”  17. Repeat step 3 to 8 and at step 7, client writes the same IntgPd value, when intgpd is “dyn”  18. Repeat step 3 to 8 and at step 7, client writes the same DatSet value, when datset is “dyn” | | |
| Comment | | |