Solution to redmine 6193

### sRpN5 does not test for the case where URCBs are association based (non-indexed)

January 24, 2023

Update sRpN5 expected result depending on SCL indexed=true/false.

remove PIXIT As2 reference

Updated with: DUT sends SetURCBValues response+ when SCL indexed=false and RptEnabled max > 1, otherwise DUT sends SetURCBValues response- with data access error = temporarily-unavailable.

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| **sRpN5** | **Exclusive use of URCB** | Passed  Failed  Inconclusive |
| IEC 61850-7-2 Subclause 17.2.1  IEC 61850-8-1 Subclause 17.2 | | |
| Expected result  2. DUT sends SetURCBValues response+ when SCL indexed=false and RptEnabled max > 1, otherwise DUT sends SetURCBValues response- with data access error = temporarily-unavailable  4. DUT sends SetURCBValues response+  8. DUT sends SetURCBValues response+  10. DUT sends SetURCBValues response+  11. DUT sends SetURCBValues response+ when SCL indexed=false and RptEnabled max > 1, otherwise DUT sends SetURCBValues response- with data access error = temporarily-unavailable  13. DUT sends a GetURCBValues response+, the parameter Resv = False  14. DUT sends SetURCBValues response+  15. DUT sends SetURCBValues response+ | | |
| Test description  1. Client1 reserves an available URCB  2. Client2 reserves and configures the same URCB by requesting SetURCBValues with one of the following dynamic (“dyn”) attributes Resv, RptID, DatSet, OptFlds, BufTm, TrgOps, IntgPd  3. Client1 resets the reservation of the URCB  4. Client2 reserves and configures the URCB  5. Client2 resets the reservation of the URCB  6. Client1 reserves the URCB  7. Client1 aborts and re-establishes the association  8. Client1 reserves and then configures the URCB  9. Client1 resets the reservation of the URCB  10. Client1 reserves the URCB  11. Client2 requests SetURCBValues of a “dyn” attribute  12. Disable the TCP communication between Client1 and the DUT. E.g. disconnect the physical link, between two Ethernet switches (preventing Ethernet hardware error detection at both client and server), some seconds longer than the lost connection detection timeout specified in the PIXIT and then enable TCP communication. E.g. connect the physical link  13. Client2 requests GetURCBValues  14. Client2 reserves the URCB  15. Client2 requests SetURCBValues of a “dyn” attribute | | |
| Comment  Step 12 – Tested with a lost detection timeout of …. Seconds. | | |

For Ed2 remove the condition for sRpN5 and move to mandatory in Table A4.2