Solution to redmine 6750

### sGos20 and sGos21

May 6, 2024

Proposal: use wording from the Annex K. In sGos20 step 1 and 3, and sGos21 step 1 and 3, replace text “DUT ignores the state change” with “DUT at least is able to ignore state change”.

|  |  |  |
| --- | --- | --- |
| **sGos20** | **GOOSE with existing CDC extended with DA with new FC (K2.2)** | Passed  Failed  Inconclusive |
| IEC 61850-7-1 Annex K2.2  IEC 61850-7-2 Subclause 18.2.3  IEC 61850-8-1 Subclause 18.1 | | |
| Expected result  1. DUT at least is able to ignore the state change (no state change, no quality change)  2. DUT sends GOOSE message or Report with state change reflecting the edition 2 state change  3. DUT at least is able to ignore the state change (no state change, no quality change)  4. DUT sends GOOSE message or Report with state change reflecting the edition 2 state change | | |
| Test description  Configure a ping-pong mechanism with a future edition .IID file with an FCD and an FCDA dataset element with a new FC and followed by Ed2 dataset element.  1. Publisher changes the value of the FutureEd dataset element as FCD  2. Publisher changes the value of the Ed2 dataset element as FCD  1. Publisher changes the value of the FutureEd dataset element as FCDA  2. Publisher changes the value of the Ed2 dataset element as FCDA | | |
| Comment  Configure GOOSE simulator with future edition CDC=SPS DOtype with FC=MM and DA=futVal as Boolean and instantiate FutInd1 and FutInd2 and configure dataset with:   * Future SPS: FutInd1.ST.stVal and FutInd1.MM.futVal as FCDA * Normal Ed2 SPS: Ind1.ST.stVal and Ind1.ST.q * Future SPS: FutInd2.ST and FutInd2.MM as FCD * Normal Ed2 SPS: Ind2.ST   **Configure DUT to subscribe at least to the normal Ed2 Ind1.ST.stVal and Ind2.ST.stVal** | | |

|  |  |  |
| --- | --- | --- |
| **sGos21** | **GOOSE with existing CDC with renamed DA, subDO or subDA (K2.7)** | Passed  Failed  Inconclusive |
| IEC 61850-7-1 Annex K2.7  IEC 61850-7-2 Subclause 18.2.3  IEC 61850-8-1 Subclause 18.1 | | |
| Expected result  1. DUT at least is able to ignore the state change  2. DUT sends GOOSE message or Report with state change reflecting the edition 2 state change  3. DUT at least is able to ignore the state change  4. DUT sends GOOSE message or Report with state change reflecting the edition 2 state change | | |
| Test description  Configure a ping-pong mechanism with a future edition .IID file with an FCD/FCDA dataset element with a renamed DA/subDO/subDA and followed by Ed2 dataset element.  1. Publisher changes the value of the FutureEd dataset element as FCD  2. Publisher changes the value of the Ed2 dataset element as FCD  3. Publisher changes the value of the FutureEd dataset element as FCDA  4. Publisher changes the value of the Ed2 dataset element as FCDA | | |
| Comment  Configure GOOSE simulator with future edition CDC=SPC with FC=ST and rename DA=q to qNew and instantiate FutInd1 and FutInd2 and configure dataset with:   * Future SPC: FutInd1.ST.stVal and FutInd1.ST.qNew as FCDA * Normal Ed2 SPS: Ind1.ST.stVal and Ind1.ST.q as FCDA * Future SPC: FutInd2.ST as FCD * Normal Ed2 SPS: Ind2.ST as FCD   **Configure DUT to subscribe at least to the normal Ed2 Ind1.ST.stVal and Ind2.ST.stVal** | | |