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| **sGos6** | **Subscribe GOOSE with simulation parameter set** | Passed  Failed  Inconclusive |
| IEC 61850-7-1 Subclause 7.8.2  IEC 61850-7-2 Subclause 18.2.3.8  IEC 61850-8-1 Subclause 18.1  PIXIT: Gs9 | | |
| Expected result   1. LPHD.Sim.stVal = FALSE or not present 2. DUT accepts the normal GOOSE messages, LGOS.St = TRUE, LGOS.SimSt=FALSE 3. DUT ignores the simulated data value change, LGOS.St=TRUE, LGOS.SimSt=FALSE 4. DUT changes LGOS.St.stVal to FALSE (and keeps LGOS.SimSt = FALSE) 5. LPHD.Sim.stVal = TRUE 6. DUT accepts the Publisher 1 GOOSE messages because no simulated GOOSE messages have been received yet, LGOS.St=TRUE, LGOS.SimSt=FALSE; state: subscription normal goose as long as no simulated goose received. DUT accepts Publisher 3 7. DUT changes LGOS.SimSt=TRUE (and keeps LGOS.St=TRUE); state: subscription simulated GOOSE 8. DUT accepts the simulated data value change 9. DUT changes LGOS.St to FALSE (and keeps LGOS.SimSt=TRUE); state: wait for simulated GOOSE 10. DUT ignores the normal GOOSE messages 11. DUT keeps LGOS.St=FALSE and LGOS.SimSt=TRUE but continues to accept Publisher 3 12. DUT changes LPHD.Sim.stVal to FALSE and LGOS.SimSt to FALSE (and keeps LGOS.St=FALSE); state: wait for normal GOOSE 13. DUT changes LGOS.St to TRUE (and keeps LGOS.SimSt=FALSE); state: subscription normal goose | | |
| Test description  Below, Publisher 1 and Publisher 2 send same GOOSE differing only in Simulation bits. Publisher 3 is a different GOOSE.   1. LPHD.Sim=FALSE or not present 2. Force the DUT to ignore simulated GOOSE messages when LPHD.Sim is present 3. Publisher1 sends GOOSE message with a new data value with Simulation off 4. Publisher2 sends GOOSE message with a new data value with Simulation set 5. Publisher1 stops sending GOOSE message, Publisher2 stops sending GOOSE messages 6. LPHD.Sim=TRUE 7. Force the DUT to accept simulated GOOSE messages 8. Publisher1 and Publisher 3 sends GOOSE message with a new data value with Simulation off 9. Then publisher2 starts sending GOOSE message with Simulation set 10. Publisher2 sends GOOSE message with a new data value with Simulation set 11. Publisher2 stops sending GOOSE messages with Simulation set 12. Publisher1 sends GOOSE message with a new data value with Simulation off 13. Publisher1 stops sending GOOSE message with Simulation off 14. Force DUT to accept normal GOOSE messages 15. Publisher1 sends GOOSE message with a new data value with Simulation off | | |
| Comment  Note: LGOS is optional and only verified when available. When LGOS is available the LGOS.SimSt is optional  Part a is mandatory but part b is required only if LPHD.Sim can ever be reported as TRUE | | |