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| **sGos6** | **Subscribe GOOSE with simulation parameter set** | [ ]  Passed[ ]  Failed[ ]  Inconclusive |
| IEC 61850-7-1 Subclause 7.8.2IEC 61850-7-2 Subclause 18.2.3.8IEC 61850-8-1 Subclause 18.1PIXIT: Gs9 |
| Expected result1. 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
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| Test descriptionBelow, 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
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| CommentNote: 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 |