Solution to redmine 5119 LGOS/LSVS with functional naming

December 1, 2021

LGOS: update sGos4

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| **sGos4** | **LGOS data object values** | Passed  Failed  Inconclusive |
| IEC 61850-7-2 Subclause 18.2.3.8  IEC 61850-8-1 Subclause 18.1  PIXIT: Gs1, Gs2, Gs11 | | |
| Expected result   1. LGOS.St.stVal=TRUE, LGOS.LastStNum.stVal (when available), LGOS.ConfRevNum.stVal (when available), LGOS.RxConfRevNum.stVal (when available) and LGOS.GoCBRef.setSrcRef refers to the GoCB with functional name 2. LGOS.St.stVal=FALSE 3. LGOS.St.stVal=TRUE 4. LGOS.LastStNum.stVal (when available) matches with the last received GOOSE message 5. LGOS.St.stVal=FALSE; LGOS.LastStNum.stVal (when available) does not change | | |
| Test description  Configure an LGOS that subscribes to a GoCB within a logical device with ldName   1. Publisher sends normal GOOSE messages without data change 2. Publisher stops sending GOOSE messages for one minute (longer than GOOSE lost period, PIXIT) 3. Publisher sends normal GOOSE messages without data change 4. Publisher sends normal GOOSE messages with data change 5. Publisher sends GOOSE messages with data change and an incorrect “checked” GOOSE header attribute | | |
| Comment | | |

LSVS update sSvs12

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| **sSvs12** | **LSVS data object values** | Passed  Failed  Inconclusive |
| IEC 61869-9  PIXIT Svs1a, Svs1b | | |
| Expected result   1. LSVS.St.stVal=TRUE, LSVS.ConfRevNum.stVal (when available), LSVS.RxConfRevNum.stVal (when available) and LSVS.SvCBRef.setSrcRef refers to the MSvCB with functional name 2. LSVS.St.stVal=FALSE 3. LSVS.St.stVal=TRUE 4. LSVS.St.stVal=FALSE; LSVS.RxConfRevNum.stVal (when available) does contain the SV message ConfRev value | | |
| Test description  Configure the DUT to subscribe to a random SV stream from a MSvCB within a logical device with ldName   1. Publisher sends normal SV messages 2. Publisher stops sending SV messages for one minute 3. Publisher sends normal SV messages without data change 4. Publisher only sends SV messages with a mismatching ConfRev value | | |
| Comment  Tested with configuration: X | | |