Solution to redmine 656 and 657

### Publish/subscribe enum with value > 127 and negative

Januari 9, 2023

Update sGos9 :

|  |  |  |
| --- | --- | --- |
| **sGos9** | **Subscribe GOOSE message with “fixed length” GOOSE** | Passed  Failed  Inconclusive |
| IEC 61850-7-2 Subclause 18.2.3  IEC 61850-8-1 Subclause A.3  PIXIT Gs8 | | |
| Expected result   1. DUT updates the value and sends a GOOSE message with changed integer value   4-5. DUT updates the value and sends a GOOSE message with changed ENUM value  7. DUT updates the value and sends a GOOSE message with changed boolean value | | |
| Test description  Test engineer configures the DUT with subscribed GOOSE (ping-pong mechanism) containing a “Beh” structure and an integer value and a boolean value. The pong dataset need not to contain every ping attribute.  When INS subscribe is supported (PIXIT Gs8)   1. Publisher sends “fixed length” GOOSE with initial integer value 2. Publisher sends “fixed length” GOOSE with other integer value   When ENS subscribe is supported (PIXIT Gs8)   1. Publisher sends “fixed length” GOOSE with ENUM value 1 2. Publisher sends “fixed length” GOOSE with ENUM value 129 3. Publisher sends “fixed length” GOOSE with ENUM value -2   When INS subscribe is not supported  6. Publisher sends “fixed length” GOOSE with initial boolean value  7. Publisher sends “fixed length” GOOSE with other boolean value | | |
| Comment  The fixed length ENUM is 2 bytes (INT8?) allowing a range of -32768 to 32767. | | |

