Solution to redmine 6769

### sGop9

June 6, 2024

If the server sends GOOSE messages when the GoCB.NdsCom is true, then the GOOSE message.NdsCom shall be true as well.

The test needs to be corrected to allow

1) to refuse the incorrect configuration while import SCD

2) to ignore parts of the new configuration

3) to accept the configuration

3.1) The GoCB.NdsCom is set to TRUE.

3.2) If the GoCB can be enabled (SetGoCBValues.resp+), then the GOOSE message.NdsCom=true

3.3) If the GoCB cannot be enabled (SetGoCBValues.resp-)

Update: in case a device only supports GOOSE the only method to indicate it needs commissioning is by sending GOOSE messages with ndsCom=T (with empty dataset). Such device does not support Get/SetGoCBValues. Allowed Scenario’s:

1. Setgocbvalue resp-, no GOOSE
2. Setgocbvalue resp+, GOOSE
3. Setgocbvalue is NOT supported, GOOSE
4. Setgocbvalue is NOT supported, no GOOSE

Not allowed scenario’s: Setgocbvalue resp+, no GOOSE and Setgocbvalue resp-, GOOSE

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| --- | --- | --- |
| **sGop9** | **DatSet not configured** | [ ]  Passed[ ]  Failed[ ]  Inconclusive |
| IEC 61850-7-2 Subclause 18.2.1.7IEC 61850-8-1 Subclause 18.1 |
| Expected result1. DUT (including IED tool) either

 - refuses the entire configuration (allowed when none of the SCL Services GSESettings is Fix) or  - it ignores parts of the new configuration (allowed when none of the SCL Services GSESettings is Fix) or  - it accepts the configuration (required when one of the SCL Services GSESettings is Fix)1. DUT sends SetGoCBValues response- and sends no GOOSE messages OR

 DUT sends SetGoCBValues response+ and sends GOOSE with NdsCom=True OR DUT sends GOOSE messages with NdsCom=True OR DUT sends no GOOSE messages 1. GoCB.datSet is empty and GoCB.NdsCom=True
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| Test description1. DUT is configured with a GSEControl element without the datSet

If configuration is accepted continue with:1. Client sends SetGoCBValues request to enable this GoCB (when supported) and wait for GOOSE messages
2. Client sends GetGoCBValues request (when supported)
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