Solution to redmine 6192

Tissue 1730 Resolution



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| **sSvp8** | **Verify plausibility that the sampled values match with the analogue signals and quality** | **[ ]  Passed****[ ]  Failed****[ ]  Inconclusive** |
| IEC 61869-9 Clause 6.903.9PIXIT: Svp5, Svp12 |
| Expected result3. Voltages* If VN is calculated, check that VN is equal to the magnitude of VA, VB, VC when applying 1 phase voltage and near zero when no signal is applied.
* For measured channels, verify match with signal source

    Currents* If IN is calculated, check that IN is equal to the magnitude of IA, IB, IC (verifying the sign) when applying 1 phase current and near zero when no signal is applied.
* For measured channels, verify match with signal source (verifying the sign) when applying 1 phase current and near zero when no signal is applied

 Quality* The validity is good when the signal is measured or calculated
* The overflow, badReference, oscillatory, oldData, inconsistent and operatorBlocked flags shall be set to false
* The source shall be process
* For backward compatible MSVCB it is permissible to set the “derived” bit (bit 13) when the value is calculated
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| Test description1.  Configure the DUT with the highest rate backwards compatible configuration and the correct parameters and frequency2.  Apply current and/or voltage signals to each phase 1 at-a-time for at least 5 seconds each then apply no signal for 10 seconds3.  Capture the sampled values messages |
| CommentThis is a plausibility check not an accuracy test.Tested with configuration: X |

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| Svp12(depreated) | Calculated IN = (Ia, Ib, Ic). = -(Ia, Ib, Ic) | YN |

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| 1. 7
 | Verify that the polarity of the subscribed IN can be configured (backward compatibility – compatibility rule) |

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| **sSvs17** | **Verify that the polarity of the subscribed IN can be configured (backward compatibility – compatibility rule)** | **[ ]  Passed****[ ]  Failed****[ ]  Inconclusive** |
| IEC 61869-9Tissue 1730, PIXIT Svs12 |
| Expected result1-2. DUT subscribes to the sampled values. In values have interpreted an -(Ia, Ib, Ic) according to PIXIT. |
| Test descriptionConfigure DUT to subscribe to a random SV stream with a recommended destination MAC addressVerify that the configuration allows to interpret the In as –(Ia, Ib, Ic). 1. SIMULATOR publishes SV stream 2. Apply current signals to each phase 1 at-a-time for at least 5 seconds each then apply no signal for 10 seconds – published In as –(Ia, Ib, Ic).  |
| CommentTested with configuration: X and Y |

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| Svs12 | Which function can be used to verify the polarity of subscribed samples In? |  |