Solution to redmine 5155 certificate template Ed2 TP205 and Ed2Amd1 TP1.1

Jan 20, 2022

|  |  |  |
| --- | --- | --- |
| **IEC 61850 Certificate Level A/B1** | | No. << certificate number>> |
| Issued to: | For the server product: | |
| <TEST INITIATOR>  <FULL ADDRESS> | <PRODUCT ID and NAME>  <IEC 61850 software/firmware version: <VERSION>> [Hardware version: xxxxx **and/or**  S/N: xxxx, yyyy (in case of multiple samples)] | |

Issued by: <<test lab>>

**The server product has not been shown to be non-conforming to:**

IEC 61850 Edition 2 with Amendment 1 Parts 6, 7-1, 7-2, 7-3, 7-4, 8-1 [, 9-2

and IEC 61869 First Edition Part 9]

**Communication networks and systems for power utility automation**

The conformance test has been performed according to IEC 61850-10, the UCA International Users Group Edition 2 with Amendment 1 Server Test Procedures version 1.1 with product’s protocol, model implementation conformance statements: “<<PICS>>”, “<<MICS>>” and product’s extra information for testing: “<<PIXIT>>”.

The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test):

|  |  |
| --- | --- |
| 1a Basic Exchange (../29)  1b Associate with IPv6 (../12)  2 Data Sets (../7)  2+ Data Set Definition (../24)  3 Substitution (../3)  4 Setting Group Selection (../4)  4+ Setting Group Definition (../13)  5 Unbuffered Reporting (../26)  6 Buffered Reporting (../36)  7 Logging (../14)  9a GOOSE Publish (../13)  9b GOOSE Subscribe (../27)  9c GOOSE Management (../3) | 11a SV publish (../21)  11b SV subscribe (../21)  12a Direct Control (../18)  12b SBO Control (../27)  12c Enhanced Direct Control (../20)  12d Enhanced SBO Control (../28)  13a Time Synchronization with SNTP(../8)  13b Time Synchronization with PTP (../4)  14 File Transfer (../8)  15 Service Tracking (../17) |

This certificate includes a summary of the test results as carried out at <<CITY>> in <<COUNTRY>> with <<CLIENT SIMULATOR> <<VERSION>> with test suite <<VERSION>> and <<ANALYZER>> <<VERSION>>. This document has been issued for information purposes only, and the original [paper/archived] copy of the <<TESTLAB>> report: No. <<TESTREPORT NUMBER>> will prevail.

The test has been carried out on the specimen[s] of the product as referred above and submitted to <<TESTLAB>> by <<TEST INITIATOR>>. The manufacturer’s production process has not been assessed. This certificate does not imply that <<TESTLAB>> has certified or approved any product other than the specimen tested.

<<CITY>>, <<DATE>>

<<Manager NAME>> <<Tester NAME>>

<<JOB TITLE>> <<JOB TITLE>>

1 Level A - Independent Test lab with certified [ISO 9001] [ISO/IEC 17025] Quality System

Level B - Test lab [at least following ISO 9001] [with certified ISO 9001] [with certified ISO/IEC 17025]

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