



INFO TECH

Awarded world-wide IEC61850 source code supplier



IEC 61850 Test Certificate

Issued to:

PUP KARED Sp. z o.o.

ul. Kwiatowa 3/1
80-180 Kowale
Poland

For the IEC 61850 server product:

SS-07

Serial number: 14091/2014/091A38
SW version: 1.06-01001

Issued by:

„INFO TECH” Dr Wojciech E. Kozłowski sp.j.

**The tested server product has not shown to be non-conforming to:
IEC 61850 Edition 1, Parts 6, 7-1, 7-2, 7-3, 7-4, 8-1
Communication networks and systems in substations**

The conformance test has been performed according to the IEC 61850-10, the product's protocol, the model, the protocol implementation extra information and the technical issue implementation conformance statements (PICS v.1.02, MICS v.1.02, PIXIT v.1.03 and TICS v.1.02).

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

D	Documentation (2/2)
C	Configuration (6/6)
M	Modelling (12/12)
1	Basic Exchange (21/24)
2	Data Sets (3/5)
5	Unbuffered Reporting (13/19)
6	Buffered Reporting (15/21)
13	Time Synchronization (3/5)

This certificate includes a summary of the test results as carried out at INFO TECH sp.j. in Gdańsk, Poland, using INFO TECH IEC61850 Tester v.0.2.0.301, DirectMMS library v.1.0.1.63, Test scripts v.2016_03.

This certificate has been issued for information purposes only, and the original INFO TECH test report No. IT20160609-FIN prevails.

The test has been carried out on a single specimen of the product as referred above, submitted to INFO TECH sp.j. by KARED Sp. z o.o. The vendor's production process has not been assessed.

This attestation does not imply that INFO TECH sp.j. has approved any product other than the specimen tested.

Wojciech E. Kozłowski
Managing Director

Gdańsk, 10th June 2016

Marcin Pazik
Deputy Director, Product Management



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Applied Checks and Test Procedures

Conformance Block	Mandatory Checks or Test Cases	Conditional Checks or Test Cases
D: Documentation Check	Doc1, Doc2	
C: Configuration Checks	Cnf1, Cnf2, Cnf3, Cnf4, Cnf5, Cnf6	
M: Modelling Checks	Mdl1, Mdl2, Mdl3, Mdl4, Mdl5, Mdl6, Mdl7, Mdl8, Mdl9, Mdl10, Mdl11, Mdl12	
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	AssN6, Srv6, Srv7, Srv8, SrvN1e, SrvN1f, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10, Rp12 RpN1, RpN2, RpN3, RpN4	Rp8, RpN5
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, Br14 BrN1, BrN2, BrN3, BrN4, BrN5	Br10
13: Time sync	Tm1, Tm2, TmN1	