



IEC 61850 Certificate Level A¹

No. 30107071-Consulting 11-0186

Issued to:
Vizimax inc.
2284, rue de la Province
Longueuil (Québec) J4G 1G1
Canada

For the product:
RightWON System
RWU010000 RWZ0A0000 V 1.0.4
Firmware version 1.4.1



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

The conformance test has been performed according to IEC 61850-10 with product's protocol, model and technical issue implementation conformance statements: "RWU 010000 - PICS Rev 04", "RWU 010000 - MICS Rev 04", "RWU 010000 - TICS Rev 04" and product's extra information for testing: "RWU 010000 – PIXIT Rev 06".

The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases as defined in the UCA International Users Group Device Test procedures v2.2b):

1 Basic Exchange (20/24)	12a Direct Control (7/11)
2 Data Sets (3/6)	12b SBO Control (8/14)
2+ Data Set Definition (23/23)	12c Enhanced Direct Control (7/13)
5 Unbuffered Reporting (13/18)	12d Enhanced SBO Control (12/19)
6 Buffered Reporting (16/20)	13 Time Synchronization (4/5)
9a GOOSE Publish (9/12)	14 File Transfer (6/7)
9b GOOSE Subscribe (9/10)	

This Certificate includes a summary of the test results as carried out at Vizimax in Canada with UniCASim 61850 version 3.21.03 with test suite 3.21.02 and UniCA 61850 analyzer 4.21.02. The test is based on the UCA International Users Group Device Test Procedures version 2.2b. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 30107071-Consulting 11-0185 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to KEMA by Vizimax. The manufacturer's production process has not been assessed. This Certificate does not imply that KEMA has certified or approved any product other than the specimen tested.

Arnhem, January 7, 2011

M. Adriaensen
Manager Intelligent Networks and Communication

Richard Schimmel
Test engineer

1 Level A - Independent Test lab with certified ISO 9000 or ISO 17025 Quality System

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Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.2b

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv7, Srv8, SrvN1e, SrvN2, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
2+: Data Set Definition	Dset2, Dset3, Dset4, Dset5, Dset6, Dset7, Dset8, Dset9, DsetN1cd, DsetN2, DsetN3, DsetN4, DsetN5, DsetN6, DsetN7, DsetN8, DsetN9, DsetN10, DsetN11, DsetN12, DsetN13, DsetN14, DsetN15	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10, RpN1, RpN2, RpN3, RpN4	Rp6, Rp8, Rp9,
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, BrN1, BrN2, BrN3, BrN4, BrN5	Br6, Br10, Br11
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7	Gop1, Gop5, Gop6, Gop10, GopN1
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	
12a: Direct control	CltN3, CltN8, DOns1, DOns3	Ctl2, CtlN10, CtlN11
12b: SBO control	Ctl3, CltN1, CltN2, CltN3, CltN4, SBOs2	Ctl2, CtlN10, CtlN11
12c: Enhanced Direct Control	CltN3, CltN8, DOes2, DOes5	Ctl2, CtlN10, CtlN11
12d: Enhanced SBO control	Ctl3, CltN1, CltN2, CltN3, CltN4, CltN9 SBOes1, SBOes2, SBOes3	Ctl2, CtlN10, CtlN11
13: Time sync	Tm1, Tm2, TmN1	Tm3
14: File transfer	Ft1, Ft2ab, Ft4, FtN1ab	Ft2c, FtN1c