



IEC 61850 Certificate Level A¹

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No. 74104918-MOC/INC 13-3297

Issued to:
Mikronika
60-001 Poznan
Wykopy 2/4
Poland

For the 92LE publisher:
SO-52v11-MUA
Firmware version 1.4
Supporting:
4 phase voltage and current
Neutral is either calculated or measured

Issued by:



The 92LE publisher has not shown to be non-conforming to:

IEC 61850 First Edition Parts 6, 7-2 and 9-2

Communication networks and systems in substations

The conformance test has been performed according to IEC 61850-10 and the UCAIUG "Test procedures version 1.1 for Sampled Values Publishers according to the "Implementation Guideline for Digital Interface to Instrument Transformers using IEC 61850-9-2 (9-2LE version 2.1)" with 92LE publisher's protocol implementation conformance statement: "Protocol Implementation Conformance Statement for the IEC 61850 Interface In SO-52v11-MUA Version: 20130906" and extra information for testing: "Protocol Implementation Extra Information for Testing (PIXIT) for the IEC 61850 Interface In SO-52v11-MUA Version: 20130906".

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:

11a Sampled Value publish (15/17)	50 Hz with 80 samples per cycle
11a Sampled Value publish (15/17)	50 Hz with 256 samples per cycle

This certificate includes a summary of the test results as carried out at KEMA in the Netherlands with UniCA 61850 Analyzer 61850 version 5.26.06. This document has been issued for information purposes only, and the original paper copy of the KEMA test report No. 74104918-MOC/INC 13-3296 will prevail.

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

Arnhem, September 24, 2013

M. Adriaansen
Director Intelligent Networks & Communication

R. Schimmel
Certification Manager

¹ Level A - Independent test lab with certified ISO 9001 Quality System



International
Usersgroup

Applicable test procedures from the UCAIUG: Test procedures version 1.1 for Sampled Values Publishers according to the "Implementation Guideline for Digital Interface to Instrument Transformers using IEC 61850-9-2 (9-2LE version 2.1)"

Conformance Block	Mandatory	Conditional
Configuration	Cnf1, Cnf2, Cnf3, Cnf4, Cnf5, Cnf6, Cnf7, Cnf8	Cnf9
11a Sampled Value Publishing 50 Hz, 80 samples/cycle	Svp1, Svp2, Svp3, Svp6, Svp10, Svp11, Svp14, Svp15	Svp4, Svp7, Svp8, Svp12, Svp13, Svp16, Svp17
11a Sampled Value Publishing 50Hz, 256 samples/cycle	Svp1, Svp2, Svp3, Svp6, Svp10, Svp11, Svp14, Svp15	Svp5, Svp7, Svp9, Svp12, Svp13, Svp16, Svp17