



IEC 61850 Certificate Level A¹

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No. 74105994-OPE/INC 14-1574

Issued to:
Siemens A.G., IC SG EA
Protection and Substation Control Systems
Wernerwerkdamm 5
D-13623 Berlin
Germany

For the 92LE publisher:
SIPROTEC 7SC805 Merging Unit
Firmware V04.50
EN100 Communication Module V01.00
Hardware 7SC80542AB963FM0
Supporting:
4 phase voltage and current
Neutral is 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 TPCL² 1.0 with 92LE publisher's protocol implementation conformance statement and extra information for testing: "SIPROTEC Device Merging Unit IEC 61850-8-1 9-2LE IEC 61869-9 PIXIT, PICS, TICS Manual, C53000-G115D-C379-1".

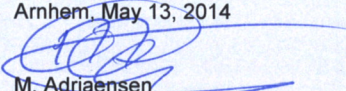
The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases:

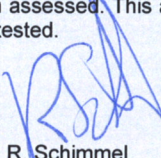
11a Sampled Value publish (12/17)	50 Hz with 80 samples per cycle
11a Sampled Value publish (12/17)	60 Hz with 80 samples per cycle

This certificate includes a summary of the test results as carried out at DNV KEMA in the Netherlands with UniCA 61850 Analyzer 61850 version 5.26.04. This document has been issued for information purposes only, and the original paper copy of the DNV KEMA test report No. 74105994-OPE/INC 14-1573 will prevail.

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

Arnhem, May 13, 2014


M. Adriaensen
Head of Department Operational Excellence


R. Schimmel
Certification Manager

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

² TPCL - Test procedures change list

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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)" with TPCL version 1.0.

Conformance Block	Mandatory	Conditional
Configuration	Cnf1, Cnf2, Cnf3, Cnf4, Cnf5, Cnf6, Cnf7, Cnf8	
11a Sampled Value Publishing 50 Hz, 80 samples/cycle	Svp1, Svp2, Svp3, Svp6, Svp10, Svp11, Svp14, Svp15	Svp4, Svp8, Svp13, Svp16
11a Sampled Value Publishing 60Hz, 80 samples/cycle	Svp1, Svp2, Svp3, Svp6, Svp10, Svp11, Svp14, Svp15	Svp4, Svp8, Svp13, Svp16