



# IEC 61850 Certificate Level A<sup>1</sup>

No. 2015PUCA0002

Issued to:

Siemens Power Automation Ltd.  
Building 4, Hua Rui IndustriPark, No.88 Cheng Xin  
Avenue, Jiangning Economic & Technology  
Development Zone, Nanjing 211100, P.R.China

For the product:

SIPROTEC 7SC805 Merging Unit  
Software Version: V4.50

Issued by:



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

## IEC 61850-6, 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 test procedures change list version 1.0 with 9-2LE publisher's protocol implementation conformance statement: "SIPROTEC 7SC805 Merging Unit PICS" and extra information for testing: "SIPROTEC 7SC805 Merging Unit 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 cases):

11a Sampled Value publish (13/17)	50 Hz with 80 samples per cycle
11a Sampled Value publish (13/17)	60 Hz with 80 samples per cycle

This Certificate includes a summary of the test results as carried out at the KETOP Lab's offices in Xuchang, China UniCA 61850 analyzer Version 5.27.07. This document has been issued for information purposes only, and the original paper copy of the test report: No. JW140551 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to KETOP Lab by Siemens Power Automation Ltd. The manufacturer's production process has not been assessed. This Certificate does not imply that KETOP Lab as approved any product other than the specimen tested.

Xuchang, Mar 13<sup>th</sup>, 2015

He Chun  
Director of PRTC Department

Yin Qingwei  
Test Engineer

<sup>1</sup> Level A - Independent Test lab with ISO 17025 Quality System

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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

<b>Conformance Block</b>	<b>Mandatory</b>	<b>Conditional</b>
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, Svp12, Svp13, Svp16, Svp17
11a Sampled Value Publishing 60Hz, 80 samples/cycle	Svp1, Svp2, Svp3, Svp6, Svp10, Svp11, Svp14, Svp15	Svp4, Svp12, Svp13, Svp16, Svp17

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