



IEC 61850 Certificate Level A¹

No. 74101558-MOC/INC 12-02020

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

For the product:
7XV5674 SICAM AI Unit
Firmware V01.00

Issued by:



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, the UCA International Users Group Device Test Procedures version 2.3 with TPCL² version 1.5, the product's protocol, model and technical issue implementation conformance statements: "SIEMENS SICAM AI Unit (20-mA Input Acquisition Device) 7XV5674 Device Manual, E50417-G1140-C492-A1" also including the product's extra information for testing".

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):

1	Basic Exchange (15/24)	9a	GOOSE Publish (8/13)
2	Data Sets (3/6)	13	Time Synchronization (3/5)
6	Buffered Reporting (15/21)		
6+	Enhanced Buffered Reporting (11/12)		

This certificate includes a summary of the test results as carried out at Siemens in Germany with UniCA 61850 Client simulator 3.25.00 with test suite 3.24.02 and UniCA 61850 Analyzer 4.25.00. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 74101558-MOC/INC 12-02019 will prevail.

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

Arnhem, November 2, 2012

M. Adriaensen
Director Intelligent Networks & Communications

R. Schimmel
Certification Manager

1 Level A - Independent test lab with certified ISO 9000 or ISO 17025 Quality System
2 TPCL - Test procedures change list

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Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.3 with TPCL version 1.5

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv8
2: Data Sets	Dset1, Dset10a, DsetN1ae	
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, Br14 BrN1, BrN2, BrN3, BrN4, BrN5	Br5
6+: Enhanced Buffered reporting	BrE1, BrE2, BrE3, BrE6, BrE7, BrE8, BrE9, BrE10, BrE11	BrE4, BrE5
9a: GOOSE Publish	Gop2, Gop3, Gop4, Gop7, Gop10a	Gop1, Gop6, GopN1
13: Time Sync	Tm1, Tm2, TmN1	