



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

International Usersgroup

No. 74100726-MOC/INC 11-2049

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

For the product:  
SENTRON T 7KG966 Multifunctional  
Transducer  
Firmware V02.00.04

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 with product's protocol, model and technical issue implementation conformance statements: "SIEMENS Multifunctional Transducer SENTRON T 7KG966 Device Manual, E50417-H1040-C493-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 as defined in the UCA International Users Group Device Test procedures v2.2b):

1 Basic Exchange (15/24)	6 Buffered Reporting (15/20)
2 Data Sets (3/6)	6+ Enhanced Buffered Reporting (11/12)
5 Unbuffered Reporting (13/18)	13 Time Synchronization (3/5)

This Certificate includes a summary of the test results as carried out at KEMA in the Netherlands with UniCASim 61850 version 3.21.02 with test suite 3.21.02 and UniCA 61850 analyzer 4.23.02. 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. 74100726-MOC/INC 11-2048 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 Certificate does not imply that KEMA has certified or approved any product other than the specimen tested.

Arnhem, 25 August 2011

  
M. Adriaansen  
Regional Director Management & Operations Consulting

  
R. Schimmel  
Certification Manager

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

<b>Conformance Block</b>	<b>Mandatory</b>	<b>Conditional</b>
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv8
2: Data Sets	Dset1, Dset10a, DsetN1ae	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10 RpN1, RpN2, RpN3, RpN4	Rp5, Rp8, RpN5
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12 BrN1, BrN2, BrN3, BrN4, BrN5	Br5, Br10
6+: Enhanced Buffered Reporting	BrE1, BrE2, BrE3, BrE6, BrE7, BrE8, BrE9, BrE10, BrE11	BrE4, BrE5
13: Time Sync	Tm1, Tm2, TmN1	