



IEC 61850 Certificate Level A¹

No. 30920553-Consulting 10-2648

Issued to:
Schneider Electric
Avenue de Figuières
34975 Lattes - France

For the product:
PACiS GTW IEC61850
Version 6.2.16.3



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: "Protocol Implementation Conformance Statement (PICS) PACiS GTW IEC61850 Version 6.2.16.3", "Model Implementation Conformance Statement (MICS) PACiS GTW IEC61850 Version 6.2.16.3", "Tissue Implementation Conformance Statement testing (TICS) PACiS GTW IEC61850 Version 6.2.16.3" and product's extra information for testing: "Protocol implementation extra information for testing (PIXIT) PACiS GTW IEC61850 Version 6.2.16.3".

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 v2.2):

1 Basic Exchange (18/24)	12a Direct Control (5/11)
2 Data Sets (3/6)	12c Enhanced Direct Control (5/13)
5 Unbuffered Reporting (13/18)	12d Enhanced SBO Control (10/19)

This Certificate includes a summary of the test results as carried out at KEMA in the Netherlands with UniCAsim 61850 version 3.21.03 with test suite 3.21.01 and UniCA 61850 analyzer 4.21.03. The test is based on the UCA International Users Group Device Test Procedures version 2.2. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 30920553-Consulting 10-2647 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to KEMA by Schneider Electric. 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, December 23, 2010

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Manager Intelligent Networks and Communication

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Test Engineer

1 Level A - Independent Test lab with certified ISO 9000 or ISO 17025 Quality System

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International
Usersgroup

Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.2

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv8, SrvN1e, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10 RpN1, RpN2, RpN3, RpN4	Rp5, Rp8, RpN6
12a: Direct control	CltN3, CltN8 DOns1, DOns3	CltN11
12c: Enhanced Direct Control	CltN3, CltN8 DOes2, DOes5	CltN11
12d: Enhanced SBO control	Clt3, CltN1, CltN2, CltN3, CltN4, CltN9 SBOes1, SBOes2, SBOes3	CltN11