



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

International Usersgroup

No. 30910052-Consulting 09-1836

Issued to:  
Schneider Electric  
Power Monitoring & Control (PMC)  
Electropole – 38EQI  
38050 GRENOBLE CEDEX 9  
France

For the product:  
Sepam series 40 version 7.0 with ACE850  
version 1.0



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: "SEPED306024EN – 10/2009" and product's extra information for testing: "SEPED306024EN – 10/2009".

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)	12d Enhanced SBO Control (10/19)
4 Setting Group Selection (2/3)	13 Time Synchronization (3/4)
5 Unbuffered Reporting (13/18)	14 File Transfer (4/7)
6 Buffered Reporting (16/20)	

This Certificate includes a summary of the test results as carried out at Schneider Electric in France with UniCasim 61850 version 3.19.02 with test suite 3.19.00 and UniCA 61850 analyzer 4.18.01. 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. 30910052-Consulting 09-1835 will prevail.

The test has been carried out on one single specimen of the products 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, September 14, 2009

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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 2.2

<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	Srv6, Srv8, SrvN1e, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
4: Setting Group Selection	Sg1, SgN1a	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10  RpN1, RpN2, RpN3, RpN4	Rp5, Rp8, Rp9
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12  BrN1, BrN2, BrN3, BrN4, BrN5	Br5, Br10, Br11
12a: Direct control	CltN3, CltN8, DOns1, DOns3	CltN11
12d: Enhanced SBO control	Clt3, CltN1, CltN2, CltN3, CltN4, CltN9  SBOes1, SBOes2, SBOes3	CltN11
13: Time sync	Tm1, Tm2, TmN1	
14: File transfer	Ft1, Ft2ab, Ft4, FtN1ab	