



IEC 61850 Certificate Level A¹

International
Usersgroup

No. 30620311-Consulting 07-1309

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

For the product:
ECI 850 Sepam Server
ECI850 Version 1.2
(Tested with Sepam Series 40)



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: "Manual_Sepam_IEC61850_EN (May 2007)", "SEPED306024EN Addendum - 062007" and product's extra information for testing: "Manual_Sepam_IEC61850_EN (May 2007)".

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 v1.1):

1	Basic Exchange	(16/23)	12a	Direct Control	(4/11)
2	Data Sets	(2/5)	12d	Enhanced SBO Control	(9/17)
4	Setting Group Selection	(2/3)	13	Time Synchronization	(4/4)
6	Buffered Reporting	(12/15)	14	File Transfer	(3/6)

This Certificate includes a summary of the test results as carried out at Schneider Electric in France with UniCasim 61850 version 2.15.01 with test suite 3.16.01 and UniCA 61850 analyzer 4.15.00. The test is based on the UCA International Users Group Device Test Procedures version 1.1. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 30620311-Consulting 07-1308 will prevail.

The test have been carried out on one single specimen of the products as referred above and submitted to KEMA by Schneider. 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, June 28, 2007

S.J.L.M. Janssen
Managing Director KEMA Consulting

S.J.T. Mulder
Test engineer

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 1.1

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5, Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv8
2: Data Sets	Dset1, DsetN1ae	
4: Setting Group Selection	Sg1, SgN1	
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, BrN1, BrN2, BrN3, BrN4, BrN5	
12a: Direct Control	CtIN3, CtIN8, DOns1, DOns3	
12d: Enhanced SBO Control	CtI3, CtIN1, CtIN2, CtIN3, CtIN4, CtIN9, SBOes1, SBOes2, SBOes3	
13: Time sync	Tm1, Tm2, TmN1	TmN2
14: File transfer	Ft1, Ft2ab, FtN1ab	