



IEC 61850 Certificate Level A¹

No. 74104410-MOC/INC 13-3019

Issued to:
SCHNEIDER ELECTRIC
35 rue Joseph Monier
92500 Reuil Malmaison
France

For the server product:
MiCOM P437
Software version: P437-631-222
Model P437-839051H0-309-411-631-723-462-947
SER No. 36198705/02/13
Made in Stone, UK



The server product has not shown to be non-conforming to:
IEC 61850 First Edition Parts 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: "MiCOM P437 Distance Protection Device PICS and MICS Release: 09/2013" and "MiCOM Px3x Technical Issues (Tissues) Release: 07/2013" and the extra information for testing: "MiCOM Px3x Protocol Implementation Extra Information for testing (PIXIT) of the IEC 61850 Communication Interface without Control Release: 09/2013".

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 (20/24)	9a	GOOSE Publish (9/13)
2	Data Sets (3/6)	9b	GOOSE Subscribe (11/11)
4	Setting Group Selection (2/3)	13	Time Synchronization (4/5)
5	Unbuffered Reporting (14/19)	14	File Transfer (4/7)
6	Buffered Reporting (16/21)		

This certificate includes a summary of the test results as carried out at SCHNEIDER ELECTRIC in China with UniCA 61850 Client simulator 4.27.02 with test suite 3.26.00 and UniCA 61850 Analyzer 5.26.04. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 74104410-MOC/INC 13-3020 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 attestation does not imply that KEMA has approved any product other than the specimen tested.

Arnhem, June 20, 2013

M. Adriaansen
Director Intelligent Networks & Communication

R. Schimmel
Certification Manager

1 Level A - Independent test lab with certified ISO 9001 quality system
2 TPCL - Test procedures change list



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	Srv6, Srv7, Srv8, SrvN1e, SrvN1f, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
4: Setting Group Selection	Sg1, SgN1a	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10, Rp12 RpN1, RpN2, RpN3, RpN4	Rp5, Rp8, RpN5
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, Br14 BrN1, BrN2, BrN3, BrN4, BrN5	Br5, Br10
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7, Gop10a	Gop1, Gop5, Gop6, Gop10b
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	Gos1b, Gos4
13: Time sync	Tm1, Tm2, TmN1	Tm3
14: File transfer	Ft1, Ft2ab, Ft4, FtN1ab	