



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

No. 74104095-MOC/INC 13-1214

Issued to:  
Cooper Power Systems  
730 Commerciale Street, Suite 200  
Saint-Jean-Chrysostome  
Quebec, Canada

For the client system:  
SMP 16 / CP-PM  
Version 6.2C374104095

Issued by:



The client system 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 and UCA IUG Conformance Test Procedures for Client System with IEC 61850-8-1 interface, revision 1.1 with TPCL<sup>2</sup> version 1.2 with client system's protocol, model and technical issue implementation conformance statements: "Conformity Specification IEC 61850 Master Protocol, S1120-19-6, version 1". This document also includes 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):

1	Basic Exchange (18/22)	12a	Direct Control (5/7)
2	Data Sets (7/9)	12b	SBO Control (7/9)
5	Unbuffered Reporting (16/18)	12c	Enhanced Direct Control (5/7)
6	Buffered Reporting (20/22)	12d	Enhanced SBO Control (7/9)
		13	Time Synchronization (3/4)
		14	File Transfer (6/8)

This certificate includes a summary of the test results as carried out at KEMA in the Netherlands with UniCA Multi IED Simulator version 3.26.1 and UniCA 61850 Analyzer version 4.25.0 This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 74104095-MOC/INC 13-1215 will prevail.

The test has been carried out on one single specimen of the client system as referred above and submitted to KEMA by Cooper Power Systems. 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, February 25, 2013

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Director Intelligent Networks & Communication

R. Schimmel  
Certification Manager

<sup>1</sup> Level A - Independent test lab with certified ISO 9001 quality system

<sup>2</sup> TPCL - Test Procedure Change List



Applicable Test Procedures from the UCA IUG Conformance Test Procedures for Client System with IEC 61850-8-1 interface, revision 1.1 with TPCL version 1.2

Conformance Block	Mandatory	Conditional
1: Basic Exchange	cAss1, cAss2, cAss3, cAss4, cAssN1, cAssN4; cAssN5, cAssN6	cAssN7, cSrv1, cSrv2, cSrv3, cSrv4, cSrv5, cSrvN1, cSrvN3, cSrvN5, cSrvN6,
2: Data set		cDs1, cDs2, cDs3, cDs5, cDsN1a, cDsN1b, cDsN2
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRpN2, cRpN3, cRpN7, cRpN8	cRp1, cRp2, cRp6, cRp7, cRpN1, cRpN4
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr12, cBrN2, cBrN3, cBrN7, cBrN8, cBrN9	cBr1, cBr2, cBr6, cBr7, cBr13, cBrN1, cBrN4,
12a: Direct control	cCtl4, cCtlN1 cDOs1, cDOs2	cCtl2
12b: SBO control	cCtl4, cCtlN1 cSBOs1, cSBOs2, cSBOs3	cCtl2, cSBOs4
12c: Enhanced Direct Control	cCtl4, cCtlN1 cDOes1, cDOes2	cCtl2
12d: Enhanced SBO control	cCtl4, cCtlN1, cSBOes1, cSBOes2, cSBOes3	cCtl2, cSBOes4
13: Time sync	cTm1	cTm2, cTmN1
14: Get File transfer	cFt1, cFt2, cFt3, cFtN1, cFtN2	cFt5