



IEC 61850 Certificate Level A¹

No. 74101215-MOC/INC 12-00775

Issued to:
Selta S.p.A
Via Emilia, 231
29010 - Cadeo (PC)
Italy

For the client system:
STCE/RTU
Regime V. 1.04.04
Regime Code 658072090

Issued by:



The client system 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 and UCA IUG Conformance Test Procedures for Client System with IEC 61850-8-1 interface, revision 1.1 with TPCL version 1.2 with client system's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement (PICS) of the IEC 61850 communication interface in STCE/RTU, revision 3.00", "Model Implementation Conformance Statement (MICS) of the IEC 61850 communication interface in STCE/RTU, revision 3.00", "Tissues Conformance Statement (TICS) of the IEC 61850 communication interface in STCE/RTU, revision 2.00" and product's extra information for testing: "Protocol Implementation extra information for testing (PIXIT) of the IEC 61850 communication interface in STCE/RTU, revision 3.00".

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 (11/22)	12a Direct Control (4/7)
2 Data Sets (2/9)	12b SBO Control (5/9)
5 Unbuffered Reporting (11/18)	12c Enhanced Direct Control (4/7)
6 Buffered Reporting (14/22)	12d Enhanced SBO Control (5/9)

This certificate includes a summary of the test results as carried out at SELTA in Italy with UniCA Multi IED Simulator version 2.0.0.5 and UniCA 61850 analyzer version 4.25.00. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 74101215 MOC/INC 12-00774 will prevail.

The test has been carried out on one single specimen of the client system as referred above and submitted to KEMA by Selta S.p.A. The manufacturer's production process has not been assessed. This attestation does not imply that KEMA has certified or approved any product other than the specimen tested.

Arnhem, April 24, 2012

M. Adriaensen
Director Management & Operations Consulting

P. Cioci
Test Engineer

- 1 Level A - Independent Test lab with certified ISO 9000 or ISO 17025 Quality System
- 2 TPCL - Test Procedure Change List

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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 cSrvN5, cSrvN6
2: Data Sets		cDs3, cDsN2
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRpN2, cRpN3, cRpN7, cRpN8	cRpN5
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr12, cBrN2, cBrN3, cBrN7, cBrN8, cBrN9	cBrN5
12a: Direct control	cCtl4, cCtlN1 cDOs1, cDOs2	
12b: SBO control	cCtl4, cCtlN1 cSBOs1, cSBOs2, cSBOs3	
12c: Enhanced Direct Control	cCtl4, cCtlN1 cDOes1, cDOes2	
12d: Enhanced SBO control	cCtl4, cCtlN1, cSBOes1, cSBOes2, cSBOes3	