



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

International  
Usersgroup

No. 30920469-Consulting 09-2637

Issued to:  
Advanced Control Systems  
Brankova 30  
11000 Belgrade  
Serbia

For the product:  
PCT210  
IEC-MMS-GOOSE v1.0.0  
SN: A01-002-000005



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: "Protocol Implementation Conformance Statement for the IEC 61850 interface in PCT210", "Model Implementation Conformance Statement for the IEC 61850 interface in PCT210", "TISSUES Implementation Conformance Statement for the IEC 61850 interface in PCT210" and product's extra information for testing: "Protocol Implementation eXtra Information for Testing (PIXIT) for the IEC 61850 interface in PCT210".

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 (17/24)	9a	GOOSE Publish (4/12)
2	Data Sets (3/6)	9b	GOOSE Subscribe (9/10)
2+	Data Set Definition (23/23)	13	Time Synchronization (3/4)
5	Unbuffered Reporting (15/18)	14	File Transfer (4/7)

This Certificate includes a summary of the test results as carried out at Advanced Control Systems office in Serbia 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 30920469-Consulting 09-2636 will prevail.

The test has been carried out on one single specimen of the products as referred above and submitted to KEMA by Advanced Control Systems. 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, 15 December 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

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5  Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv7, Srv8
2: Data Sets	Dset1, Dset10a, DsetN1ae	
2+: Data Set Definition	Dset2, Dset3, Dset4, Dset5, Dset6, Dset7, Dset8, Dset9  DsetN1cd, DsetN2, DsetN3, DsetN4, DsetN5, DsetN6, DsetN7, DsetN8, DsetN9, DsetN10, DsetN11, DsetN12, DsetN13, DsetN14, DsetN15	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10  RpN1, RpN2, RpN3, RpN4	Rp5, Rp6, Rp8, Rp9, RpN5
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7	
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	
13: Time sync	Tm1, Tm2, TmN1	
14: File transfer	Ft1, Ft2ab, Ft4, FtN1ab	