



IEC 61850 Certificate Level A¹

No. 30620085-Consulting 2006-0351

Issued to:
Areva T&D
Lyoner Strasse 44-48
D-60528 Frankfurt am Main
Germany

For the product:
Areva MiCOM P139
Feeder Management
and Bay Control Unit
Version -612 -206

Issued by:

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: "PICS, MICS and Address Assignment List version -612 -206", "Technical Issues (TISSUES) version -612 -206" and product's extra information for testing: "Protocol implementation extra information for testing (PIXIT) of the IEC 61850 communication interface version -612 -206".

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):

1	Basic Exchange	(14/23)	12a	Direct Control	(4/11)
2	Data Sets	(2/5)	12c	Enhanced Direct Control	(5/11)
5	Unbuffered Reporting	(10/13)	12d	Enhanced SBO Control	(10/17)
9ab	GOOSE	(15/20)	13	Time Synchronization	(3/4)
			14	File Transfer	(3/6)

This Certificate includes a summary of the test results as carried out at the KEMA laboratory at Arnhem, The Netherlands, with UniCAsim 61850 version 2.13.00 test system running test suite "61850 Conformance Test 2.13.07" and UniCA 61850 analyzer version 4.13.02. 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. 30620085-Consulting 2006-0353 will prevail.

The tests have been carried out on one single specimen of the products as referred above and submitted to KEMA by Areva T&D. 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 12, 2006

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

R. Schimmel
Certification Manager

1 Level A – Independent Test Lab with certified ISO 9000 or ISO 17025 Quality System

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KEMA Nederland B.V.

Utrechtseweg 310, 6812 AR Arnhem; P.O. Box 9035, 6800 ET Arnhem, The Netherlands.
Telephone + 31 26 356 6142, Telefax + 31 26 515 456, Email sales@kema.com