



IEC 61850 Certificate Level A¹

International Usersgroup

No. 30102143-Consulting 10-1781

Issued to:
ABB Automation GmbH
Control Systems
68309 Mannheim
Germany

For the product:
AC 800M CI868
Communication Interface for IEC 61850
Firmware version: 5.0.2000.20



The product has not shown to be non-conforming to:
IEC 61850-7-2 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 (PICS) of AC800M CI868 communication interface for IEC 61850 - 9ARD000219D0002 Rev.A", "Model Implementation Conformance Statement (MICS) of AC800M CI868 communication interface for IEC 61850 - 9ARD000219D0001 Rev.A", "Tissues Implementation Conformance Statement (TICS) of AC800M CI868 communication interface for IEC 61850 - 9ARD000219D0004 Rev.A" and product's extra information for testing: "Protocol Implementation Extra Information for Testing (PIXIT) of AC800M CI868 communication interface for IEC 61850 - 9ARD000219D0003 Rev.A".

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):

9a GOOSE Publish (4/12)	9b GOOSE Subscribe (9/10)
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This Certificate includes a summary of the test results as carried out at KEMA in the Netherlands with UniCASim GOOSE version 2.14.01 with test suite 2.16.06 and UniCA 61850 analyzer 4.21.03. 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.30102143-Consulting 10-1780 will prevail.

The test has been carried out on one single specimen of the products as referred above and submitted to KEMA by ABB Automation GmbH. 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, September 2, 2010

W. Strabbing
Manager Intelligent Networks and Communication

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Test Engineer

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
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7	
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	