



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

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International  
Usersgroup

No. 74102147-MOC/INC 13-3418

Issued to:  
ABB Oy  
Medium Voltage Products  
Muottitie 2A, PB 699  
65101 Vaasa, Finland

For the server product:  
RIO600  
Version: 1.2  
LECM FW version: LECM\_01.02  
LECM HW revision: C

Issued by:



The server product 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, the UCA International Users Group Device Test Procedures version 2.3 with TPCL<sup>2</sup> version 1.7, the product's protocol, model and technical issue implementation conformance statements: "IEC 61850 Conformance Statement for RIO600 revision A", "IEC 61850 Model Implementation Conformance Statement (MICS) for RIO600 revision C" and "IEC 61850 Tissues Conformance Statement for RIO600 revision B" and the extra information for testing: "IEC 61850 Protocol Implementation extra Information for Testing (PIXIT) for RIO600 revision C".

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):

9a	GOOSE Publish (7/13)
9b	GOOSE Subscribe (10/11)
13	Time Synchronization (3/5)

This certificate includes a summary of the test results as carried out at ABB in Finland with UniCA GOOSE simulator 2.27.01 with test suite 2.27.05 and UniCA 61850 Analyzer 5.27.07. This document has been issued for information purposes only, and the original paper copy of the KEMA report No. 74102147-MOC/INC 13-3417 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to KEMA by ABB. 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, October 2, 2013

M. Adriaansen  
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 procedures change list



Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.3 with TPCL version 1.7

<b>Conformance Block</b>	<b>Mandatory</b>	<b>Conditional</b>
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7, Gop9, Gop10a	Gop5
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	Gos1b
13: Time sync	Tm1, Tm2, TmN1	