

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

Issued to:

ABB Oy  
Distribution Automation  
FI-65101 Vaasa  
FINLAND

For the product:

REF630 1.2  
Software Version: 1.2.0  
Hardware Version: SBFNABACBABZAZNAXC  
Serial Number: 1VHR91004829

Issued by: ABB Switzerland Ltd, Power Systems, SVC Baden

**The product has not shown to be non-conforming to:**  
**IEC 61850-5 performance class P1**

The performance test has been performed according to the UCA International Users Group GOOSE performance Test Procedures version 1.2 with product's protocol implementation conformance statements: "1MRS189726 630 series 1.2 IEC 61850 Protocol Implementation Conformance Statement", and product's extra information for testing: "PIXIT for GOOSE Performance 630 series".

This Certificate summarizes test results as carried out at SVC in Switzerland with GOOSE publisher "Omicron Test Univers version 2.40 SR1" and the analysers from "National Instruments, Gigastore, version 14.1 and ABB, ITT, version 1.8". This document has been issued for information purposes only, and the original paper copy of the test report: No. "1KHL050039 Test procedures for GOOSE Performance ABB 630 series" will prevail.

The GOOSE performance has been measured with Boolean and Double Point information.

Baden 2013-01-16



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Test Manager



Stephan Gerspach  
Responsible Test Engineer

<sup>1</sup> Independent test lab, being ISO 9000 certified, allowed to issue UCA® level A / ISO 9000 certified test lab, allowed to issue UCA® level B

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1/1