



IEC 61850 Certificate Level A¹

International Usersgroup

No. 30820049-Consulting 08-1220

Issued to:
Schweitzer Engineering Laboratories
2440 N.E. Hopkins CT
Pullman, WA 99163
USA

For the product:
SEL-710
Motor Protection Relay
Firmware R204



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: "710_IM_20070514", "IEC 61850 Tissues conformance SEL-710 v1.2" and product's extra information for testing: "IEC 61850 PIXIT report SEL-710 v1.1".

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 v1.1):

1 Basic Exchange (16/23)	9a GOOSE Publish (5/11)
2 Data Sets (2/5)	9b GOOSE Subscribe (9/9)
5 Unbuffered Reporting (10/13)	12a Direct Control (4/11)

This Certificate includes a summary of the test results as carried out at Schweitzer Engineering Laboratories in United States of America with UniCASim 61850 version 3.17.00 with test suite 3.17.01 and UniCA 61850 analyzer 4.17.01. 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. 30820049-Consulting 08-1219 will prevail.

The test has been carried out on one single specimen of the products as referred above and submitted to KEMA by Schweitzer Engineering Laboratories. 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, May 29, 2008

W. Strabbing
Manager Intelligent Networks and Communication

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SeniorTest 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 1.1

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv8
2: Data Sets	Dset1, DsetN1ae	
5: Unbuffered Reporting	Rp1, Rp3, Rp4, Rp7 RpN1, RpN2, RpN3, RpN4	Rp5, RpN5
9a: GOOSE publish	Gop2, Gop4, Gop7	Gop1, GopN1
9b: GOOSE subscribe	Gos1, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	
12a: Direct control	CltN3, CtlN8, DOns1, DOns3	