



IEC 61850 Certificate Level A¹

International Usersgroup

No. 30920410-Consulting 09-1138

Issued to:
SHR Automation
3399 Huaning Road
Minhang District
Shanghai 201108, China

For the product:
UDM-502
Merging Unit
Firmware version R2.05



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: "PICS_UDM502 version 1.02", "MICS_UDM502 version 1.02", "TICS_UDM502 version 1.02" and product's extra information for testing: "PIXIT_UDM502 version 1.02".

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):

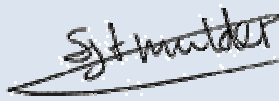
9a GOOSE Publish (5/12)	9b GOOSE Subscribe (9/10)
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This Certificate includes a summary of the test results as carried out at SHR Automation in China with UniCASim GOOSE version 2.18.01 with test suite 2.18.01 and UniCA 61850 analyzer 4.18.01. The test 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. 30920410-Consulting 09-1137 will prevail.

The test has been carried out on one single specimen of the products as referred above and submitted to KEMA by SHR Automation. 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 9, 2009


W. Strabbing
Manager Intelligent Networks and Communication


S.J.T. Mulder
Senior 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	Gop5
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	