



IEC 61850 Certificate Level B¹

No. 2010PUCA0001

Issued to:

Xuji Electric Co., LTD.
1298#, Xuji Avenue, XuChang, Henan, China

For the product:

DRT-802 Digital Protection Tester
Software Version: 1.0

Issued by: **KETOP** 开普

The product has not shown to be non-conforming to:
IEC 61850-7-1, 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 TISSUE implementation conformance statements: "Protocol Implementation Conformance Statement for DRT-802 Digital Protection Tester", and extra information "Protocol implementation extra information for testing (PIXIT) of the IEC 61850 communication interface in DRT-802 Digital Protection Tester" for testing.

The following IEC 61850 conformance blocks are 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):

9a GOOSE publish (6/11)	9b GOOSE subscribe (10/10)
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KETOP Lab grants this Certificate on account of tests performed at the KETOP Lab's offices in Xuchang, China, with UniCAsim 61850 GOOSE Version 2.14.01 simulating an IEC 61850 GOOSE publisher/subscriber and the UniCA 61850 analyzer Version 4.20.05. The tests are based on the UCA International Users Group Device Test Procedure Version 2.2. This certificate has been issued for information purposes only and the original copy of the KETOP Lab report: No. JW090673 will prevail.

The tests have been carried out on one single specimen of the above-mentioned products, submitted by Xuji Electric Co., LTD. The certificate does not include an assessment of the manufacturer's production process. Conformity of his production process or any other product than the specimen tested by KETOP Lab is not the responsibility of KETOP Lab.

Xuchang, July 28, 2010

He Chun
Director of PRTC Department

Zhang Ran
Test Engineer

¹ Level B – Tester with 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, Gop10
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	Gos1b

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