IEC 61850 Certificate Level A[1]

No. 74101429-MOC/INC 12-00988

Issued to:
RTK Instruments
St. James Business Park
Knaresborough, UK HG5 8PJ
ENGLAND

For the product:
P725B
Firmware GPC 2.19.12 DCCP 2.12.0
Substation Annunciator

Issued by: **KEMA**

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, the UCA International Users Group Device Test Procedures version 2.3 with TPCL[2] version 1.5, the product's protocol, model and technical issue implementation conformance statements: "P725B - IEC61850 Server (PICS) REV 3", "P725B - IEC61850 Server (MICS) REV 2" and "P725B - IEC61850 Server (TICS) REV 2" and the extra information for testing: "P725B - IEC61850 Server (PIXIT) REV 3".

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):

1	Basic Exchange (15/24)		9a	GOOSE Publish (8/13)
2	Data Sets (3/6)		9b	GOOSE Subscribe (10/11)
6	Buffered Reporting (17/21)		12a	Direct Control (4/12)
			13	Time Synchronization (3/5)

This certificate includes a summary of the test results as carried out at DNV KEMA in Arnhem, Netherlands with UniCA 61850 client simulator version 3.23.02 with test suite version 3.24.00 and UniCA 61850 analyzer version 4.24.03. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 74101429-MOC/INC 12-00987 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to KEMA by RTK Instruments. 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, 23 May 2012

M. Adriaensen
Regional Director Management & Operations Consulting

R. S. Massink
Senior Test Engineer

1 Level A - Independent Test lab with certified ISO 9000 or ISO 17025 Quality System
2 TPCL - test procedures change list

Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.3 with TPCL version 1.5

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv8
2: Data Sets	Dset1, Dset10a, DsetN1ae	
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, Br14 BrN1, BrN2, BrN3, BrN4, BrN5	Br5, Br10, Br11
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7, Gop10a	Gop1, Gop10b, GopN1
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	Gos1b
12a: Direct control	CtlN3, CtlN8 DOns1, DOns3	
13: Time sync	Tm1, Tm2, TmN1	