



IEC 61850 Certificate Level A¹

No. 74105511-OPE/INC 14-1284

Issued to:
CYG SUNRI Co., Ltd.
No. 3, Langshan 1st Road,
Hi-tech Park, Nanshan District, Shenzhen
China

For the server product:
PRS-7367-D Overcurrent Protection
Feeder Protection & Management Device
Firmware version 3.10



Issued by:

The server product has not shown to be non-conforming to:

IEC 61850 First Edition Parts 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 TPCL² version 1.7, the product's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statements For the IEC 61850 interface in PRS-7367-D, version 3.1", "Model Implementation Conformance Statements For the IEC 61850 interface in PRS-7367, April 2014" and "TISSUES Implementation Conformance Statements For the IEC 61850 interface in PRS-7367-D, April 2014" and the extra information for testing: "Protocol Implementation eXtra Information for Testing For the IEC 61850 interface in PRS-7367-D, version 3.1".

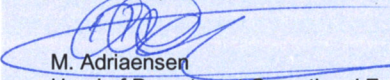
The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases):

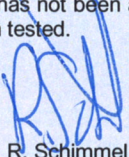
1	Basic Exchange (20/24)	6	Buffered Reporting (19/21)
2	Data Sets (3/6)	12a	Direct Control (5/12)
3	Substitution (4/4)	12d	Enhanced SBO Control (9/19)
4	Setting Group Selection (3/3)	13	Time Synchronization (4/5)
4+	Setting Group Definition (7/7)	14	File Transfer (6/7)
5	Unbuffered Reporting (17/19)		

This certificate includes a summary of the test results as carried out at DNV KEMA in the Netherlands with UniCA 61850 Client Simulator 4.28.03 with test suite 3.27.00 and UniCA 61850 Analyzer 5.27.07. This document has been issued for information purposes only, and the original paper copy of the DNV KEMA report No. 74105511-OPE/INC 14-1285 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV KEMA by CYG SUNRI Co., Ltd. The manufacturer's production process has not been assessed. This attestation does not imply that DNV KEMA has approved any product other than the specimen tested.

Arnhem, April 16, 2014


M. Adriaansen
Head of Department Operational Excellence


R. Schimmel
Certification Manager

¹ Level A - Independent test lab with certified ISO 9001 Quality System

² TPCL - Test procedures change list



International
Usersgroup

Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.3 with TPCL version 1.7

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv7, Srv8, SrvN1e, SrvN1f, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
3: Substitution	Sub1, Sub2, Sub3, SubN1	
4: Setting Group Selection	Sg1, Sg3, SgN1a	
4+: Setting Group Definition	Sg2, Sg4, SgN1b, SgN2, SgN3, SgN4, SgN5	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10, Rp12 RpN1, RpN2, RpN3, RpN4	Rp5, Rp8, Rp9, Rp11, RpN5, RpN6
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12, Br14 BrN1, BrN2, BrN3, BrN4, BrN5	Br5, Br10, Br11, Br13, BrN6
12a: Direct Control	CtlN3, CtlN8 DOns1	Ctl2, DOns3
12d: Enhanced SBO Control	Ctl3, CtlN1, CtlN2, CtlN3, CtlN4, CtlN9 SBOes1, SBOes2, SBOes3	
13: Time Sync	Tm1, Tm2, TmN1	Tm3
14: File Transfer	Ft1, Ft2ab, Ft4, FtN1ab	Ft2c, FtN1c