ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

UCA International Users Group

IEC 61850 Certificate
Level A[1]

TÜV SÜD Product Service

No. ZE 17 04 97810 003

Issued to:

Grid Software
202, 5240 - 1A St SE
Calgary, AB T2H 1/1
Canada

For the server product:

Grid Software SCL Matrix

Tool Version: 1.1

Issued by:

TÜV SÜD Product Service GmbH
Communication Protocols
Ridlerstrasse 65
D-80339 Munich
Germany

Certification Mark:

The System Configuration Tool has not been shown to be non-conforming to:

IEC 61850 Edition 2 Parts 6

Communication networks and systems for power utility automation.

The conformance test has been performed according to IEC 61850-10 Edition 2 and the UCAIug Test Procedures for IED and System Configuration Tools for IEC 61850 Edition 2, revision 1.1 with tools SCL and technical issue implementation conformance statements: Engineering Studio, SCL Matrix – System Configuration Tool, SCL Implementation Conformance Statement, Engineering Studio, SCL Matrix – System Configuration Tool, Technical Issues Implementation Conformance Statement and product's extra information for testing: "Engineering Studio, SCL Matrix – System Configuration Tool, Protocol Implementation eXtra Information for Testing".

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):

	31 ICD & IID import and usage (10/10) 32 Communication Engineering (9/9) 33 Data Flow Engineering (14/14) 34 Substation Section Handling (8/8) 35 SCD Modification (8/8) 36 SCD Export (3/4) 37 SCD Import (3/4) 38 SED Handing (10/11)

This certificate includes a summary of the test results as carried out at TÜV SÜD Product Service GmbH in Germany with SimFlex SCL Checker 2.0. This document has been issued for information purposes only, and the original paper copy of the TÜV SÜD Product Service GmbH test report: No. **713081474-TR01**, version **1.0** will prevail.

Munich, 21.04.2017

Peter Pfisterer
Technical Certifier

Albi Kospiri
Test Engineer

[1] Level A - Independent Test lab with certified ISO 17025 Quality System
[2] Test Procedure Change List

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Applicable Test Procedures from the UCAIug Conformance Test Procedures for IED and System Configuration Tools for IEC 61850 Edition 2, revision 1.1:

Conformance Block	Mandatory	Conditional
31: ICD & IID import and usage	tSie1, tSie2, tSie3, tSie6a, tSie7, tSieN1, tSieN2	tSie4, tSie5, tSie6b
32: Communication Engineering	tSce1, tSce2, tSce3, tSce4, tSce6	tSce5, tSce7, tSceN1, tSceN2
33: Data Flow Engineering	tDfe1, tDfe2abcd, tDfe3abcd, tDfe4abcd, tDfe51abc, tDfe52abc, tDfe6ab, tDfe7ab, tDfeN1, tDfeN2abcd, tDfeN3	tDfe6c, tDfe6d, tDfe7c
34: Substation Section Handling		tSsh1, tSsh2ab, tSsh3, tSsh4, tSsh5, tSsh6, tSsh7, tSsh8abc
35: SCD Modification	tSmo1	tSmo2, tSmo3, tSmo4, tSmo5, tSmo6, tSmo7, tSmo8
36: SCD Export	tSse1b, tSse3	tSse1a
37: SCD Import	tSsi1, tSsi2	tSsi3
38: SED Handing	tSeh1, tSeh2, tSeh3, tSeh7, tSeh8, tSeh9	tSeh4, tSeh6, tSeh10, tSeh11

TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstraße 65 · 80339 München · Germany

TÜV®

Zertifiziervertrag

Grundlage für die Zertifikatserteilung ist die Prüf- und Zertifizierordnung von TÜV SÜD Product Service.

Mit Erhalt des Zertifikates erkennt der Zertifikatsinhaber die jeweils gültige Fassung der Prüf- und Zertifizierordnung an (www.tuev-sued.de/ps_regulations) und wird somit Partner im Zertifiziersystem von TÜV SÜD Product Service.

Prinzipielle Voraussetzung für die Gültigkeit des Zertifikates:

– Gültigkeit der zitierten normativen Prüfgrundlage(n) ist gegeben

und zusätzlich bei Zertifikaten mit Berechtigung zur Verwendung eines Prüfzeichens bzw. bei Zertifikaten für QM-Systeme:

– Voraussetzungen für vorschriftsmäßige Fertigung werden eingehalten.

– Die Fertigungs- bzw. Betriebsstätten werden regelmäßig überwacht.

Certification contract

Certification is based on the TÜV SÜD Product Service Testing and Certification Regulations.

On receipt of the certificate the certificate holder agrees to the current version of the Testing and Certification Regulations (www.tuev-sued.de/ps_regulations) and thus becomes partner in the TÜV SÜD Product Service Certification System.

Requirements for the validity of the certificate in principle:

– Validity of the quoted test standard(s)

In addition for certificates with the right to use a certification mark and for QM certificates:

– Conditions for an adequate manufacturing are maintained

– Regular surveillance of the facility is performed

Akkreditierungen / Benennungen (Status 14.10.2013) /
Accreditations / notifications (as of 2013-10-14)

Deutschland / Germany

Produktsicherheitsgesetz (ProdSG) /
Product Safety Act (ProdSG)

Europa / Europe

- Niederspannungsrichtlinie 2006/95/EG
- Spielzeugrichtlinie 2009/48/EG
- Richtlinie für aktive medizinische Implantate 90/385/EWG
- Richtlinie für Medizinprodukte 93/42/EWG
- Richtlinie für In-vitro-Diagnostika 98/79/EG
- Richtlinie für Gasverbrauchseinrichtungen 2009/142/EG
- Richtlinie für persönliche Schutzausrüstungen 89/686/EWG
- EMV-Richtlinie 2004/108/EG
- Richtlinie für Sportboote 94/25/EG + 2003/44/EG
- Richtlinie für Maschinen 2006/42/EG
- Richtlinie für Ex-Schutz Geräte 94/9/EG

- Low Voltage Directive 2006/95/EC
- Toys Directive 2009/48/EC
- Directive for Active Implantable Medical Devices 90/385/EEC
- Directive for Medical Devices 93/42/EEC
- Directive on In Vitro Diagnostic Medical Devices 98/79/EC
- Directive for Gas Appliances 2009/142/EC
- Directive for Personal Protective Equipment 89/686/EEC
- EMC Directive 2004/108/EC
- Directive for Recreational Craft 94/25/EC + 2003/44/EC
- Directive for Machinery 2006/42/EC
- Directive for Ex Safe Equipment 94/9/EC

- ENEC Agreement for luminaires, household and IT equipment

USA

- Nationally Recognized Testing Laboratory (NRTL) to 29 CFR 1910.7 by OSHA
- Accredited for FDA 510(k) Third Party Review
- Conformity Assessment Body to the MRA for Medical Devices; FDA QSReg Inspections, FDA 510(k) Third Party Review

Asien-Pazifik Region / Asia Pacific

- Recognized Certification Body to Electrical Products (Safety) Regulation; Hong Kong
- Konformitätsbewertungsstelle / Conformity Assessment Body to the MRA for Medical Devices; Australien / Australia
- Konformitätsbewertungsstelle / Conformity Assessment Body to the MRA for Medical Devices; Neuseeland / New Zealand

Weltweit / Worldwide

- NCB im CB-Scheme des IECEE /
  NCB in the CB Scheme of IECEE
- ExCB im IECEx-Scheme des IECEE /
  ExCB in the IECEx Scheme of IECEE
- Zertifizierstellen durch DAkkS akkreditiert
  DE-ZE-11321-01, DE-ZM-11321-09 und DE-ZM-11321-01.
  Certification Bodies accredited by DAkkS
  DE-ZE-11321-01, DE-ZM-11321-09 and DE-ZM-11321-01.

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