

IEC 61850 Certificate Level A¹

Issued to:

PSI GridConnect GmbH
Greschbachstrasse 12
76229 Karlsruhe
Germany

For the client system:

PGC-6060 61850 Protocol Converter
Firmware version: 1.0.0 (5) PGC661850
S/N: 0005DB81928E

The client system has not been shown to be non-conforming to:

IEC 61850 Edition 2 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 Edition 2, the UCA International Users Group Edition 2 Client Conformance Test Procedures version 1.2 with client system's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement for the IEC 61850 interface in PSI 61850 Protocol Converter, version v.1", "Model Implementation Conformance Statement for the IEC 61850 Client Interface in PSI 61850 Protocol Converter, version v.1" and "TISSUES Implementation Conformance Statement for the IEC 61850 Edition 2 Client Interface in PSI 61850 Protocol Converter, version v.1" and product's extra information for testing: "Protocol Implementation eXtra Information for Testing (PIXIT) for the IEC 61850 Client interface in PSI 61850 Protocol Converter, version v.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 (17/24)	12a Direct Control (4/9)
2 Data Sets (6/10)	
5 Unbuffered Reporting (19/24)	
6 Buffered Reporting (22/28)	

This certificate includes a summary of the test results as carried out at Enexis B.V. in the Netherlands with UniCA 61850 IED Simulator version 3.26.01 and UniCA 61850 Analyzer 6.40.01. This document has been issued for information purposes only, and the archived DNV verification report No. 10450370-DSO 23-3093 rev 2 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV by PSI GridConnect GmbH. The manufacturer's production process has not been assessed. This certificate does not imply that DNV has approved any product other than the specimen tested.

Arnhem, August 25, 2023



G. Akse

Business Development Manager
Interoperability of Smart Power Systems

Issued by:




R. Schimmel

Verification Manager

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

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Applicable Test Procedures from the UCA International Users Group Edition 2 Client Conformance Test Procedures version 1.2

Conformance Block	Mandatory	Conditional
1: Basic Exchange	cAss1, cAss2, cAss3, cAssN1, cAssN4, cAssN5, cAssN6	cAssN7, cSrv4, cSrv5, cSrv6, cSrv7, cSrv10, cSrvN1, cSrvN3, cSrvN4, cSrvN5
2: Data Sets		cDs2, cDs3, cDs5, cDs6, cDsN1b, cDsN1c
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRp11, cRp13a, cRp14, cRp15, cRp19, cRpN2, cRpN5, cRpN6	cRp2, cRp7, cRp16, cRp18, cRpN1
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr13a, cBr14, cBr15, cBr19, cBr30, cBr31, cBrN2, cBrN5, cBrN6	cBr2, cBr7, cBr16, cBr18, cBr33, cBrN1
12a: Direct Control	cCtl4, cCtl5, cDOns1, cDOns2	