

IEC 61850 Certificate Level A¹

Issued to:

OMICRON electronics GmbH
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6833 KLAUS
Austria

For the server product:

CMC 500 Secondary Test Set
IEC 61850 version: 2.1
Embedded SW version: 2.73
SV Publish: F4000S1I4U4, F4800S1I4U4,
F5760S1I4U4, F12800S8I4U4, F15360S8I4U4,
F4800S2I16U16, F14400S6I16U11
SV Subscribe: F4000S1I4U4, F4800S1I4U4,
F12800S8I4U4, F15360S8I4U4, F4800S2I4U4,
F14400S6I4U4

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

IEC 61850 Edition 2 with Amendment 1 Parts 6, 7-1, 7-2, 7-3, 7-4, 8-1, 9-2 and IEC 61869 First Edition Part 9

Communication networks and systems for power utility automation

The conformance test has been performed according to IEC 61850-10, name space definition 7-4:2007B5 and the UCA International Users Group Edition 2 with Amendment 1 Server Test Procedures version 1.3 ("UCATestProcedureServer61850-8-1Ed2Amd1_Rev1p3.pdf") with product's protocol, model and tissues implementation conformance statements: "Protocol Implementation Conformance Statement for the IEC 61850 interface in CMC 500 Version 2.73", "Model Implementation Conformance Statement for the IEC 61850 Edition 2 Amendment 1 server interface in CMC 500 Version 2.73", "TISSUES Implementation Conformance Statement (TICS) For the IEC 61850 Edition 2 Amendment 1 Client/Server interface in CMC 500 Version 2.73", and the extra information for testing: "Protocol Implementation eXtra Information for Testing (PIXIT) for the IEC 61850 Edition 2 [with Amendment 1] server interface in CMC 500 Version 2.73".

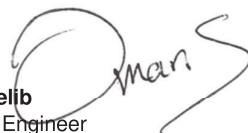
The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases):

9a	GOOSE publish	11a	SV publish
9b	GOOSE subscribe	11b	SV subscribe
		13b	Time Synchronization with PTP

This certificate includes a summary of the test results as carried out at DNV in The Netherlands with UniGrid SA Simulator 4.2 with test suite 4.1.0 and UniCA 61850 Analyzer 6.45. This document has been issued for information purposes only, and the archived DNV verification report No. 10588568-DSO 26-3187 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 OMICRON electronics 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, July 15th, 2026


O. Telib
Test Engineer

Issued by:




R. Schimmel
Verification Manager

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

UCA International Users Group P.O. Box 11404, Olympia, WA 98508, USA

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Applicable Server Test Procedures from the UCA International Users Group Edition 2 with Amendment 1 Server Test Procedures version 1.3

Conformance Block	Mandatory	Conditional
9a: GOOSE Publish	sGop2a, sGop3, sGop4, sGop9, sGop10, sGop11, sGop12, sGop13	sGop5, sGopN2
9b: GOOSE Subscribe	sGos1, sGos2, sGos3, sGos5, sGos6a, sGos7, sGos8, sGos9, sGos10, sGos11, sGos12, sGos14, sGos15, sGos16, sGos17, sGos20, sGos21, sGos22, sGos23, sGosN1, sGosN2, sGosN3, sGosN4, sGosN5, sGosN6, sGosN7	sGos13
11a: Sampled Values Publish	sSvp1, sSvp2, sSvp3, sSvp4, sSvp5, sSvp6, sSvp7, sSvp8, sSvp14, sSvp18	sSvp9, sSvp12, sSvp13, sSvp15, sSvp16
11b: Sampled Values Subscribe	sSvs1, sSvs2, sSvs3, sSvs4, sSvs5, sSvs6, sSvs7, sSvs8, sSvs9, sSvs10, sSv11, sSvs14, sSvs15, sSvs16, sSvs17, sSvs18, sSvsN1, sSvsN2, sSvsN3, sSvsN4, sSvsN5, sSvsN6	sSvs13
13b: Time sync PTP	sTmP1, sTmP2, sTmPN1	

Test case	Comments
sGosN7	Tested according to redmine #7779 resolution
sSvp9	Tested according to redmine #7774 resolution
sSvs15	Tested according to redmine #7775 resolution
sTmPN1	Tested according to redmine #7602 resolution