



IEC 61850 Certificate Level A¹



No. 22-10-CAV-014

Issued to:

Schneider Electric
35 Rue Joseph Monier, 92500 Rueil-Malmaison
France

For the client:

EcoStruxure Power Operation
Edge control software for managing critical facilities
Software version 2021
Driver version: 1.7.8
Oracle VM Virtualbox with Windows server 2019 Standard

Issued by:

Taiwan Testing and Certification Center
No.8, Ln. 29, Wenming Rd., Guishan Dist., Taoyuan
City 333, Taiwan (R.O.C.)

The CLIENT 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 for power utility automation

The conformance test has been performed according to IEC 61850-10 Edition 2, the UCA International Users Group Edition 2 Client Test Procedures version 1.2 with product's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement Edition 3, 2022 Oct 24 for the IEC 61850 interface in Power Operation 2021 July 20th, 2021 Power Operation 2021 Driver version 1.7.8", "Model Implementation Conformance Statement Edition 2, 2014 Dec 18 for the IEC 61850 Client Interface in Power Operation 2021 July 20th, 2021 Power Operation 2021 Driver version 1.7.8" and "TISSUES Implementation Conformance Statement Edition 2, 2014 Dec 18 for the IEC 61850 Edition 2 Client Interface in Power Operation v2021 July 20th, 2021 Power Operation 2021 Driver version 1.7.8" and product's extra information for testing: "Protocol Implementation eXtra Information for Testing (PIXIT) Edition 3, 2022 Oct 24 for the IEC 61850 Client interface in Power Operation 2021 July 20th, 2021 Power Operation 2021 Driver version 1.7.8".

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

13	Time Synchronization (3/4)	
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This Certificate includes a summary of the test results as carried out at Taiwan Testing and Certification Center, Taoyuan City in Taiwan(R.O.C.) with KEPCO IEC61850 Virtual Server Edition.2 version 1.0.2.9 and Wireshark version 3.6.3. This document has been issued for information purposes only, and the original paper copy of the ETC report: No. 22-10-CAV-014 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to Taiwan Testing and Certification Center by Schneider Electric. The manufacturer's production process has not been assessed. This certificate does not imply that Taiwan Testing and Certification Center has approved any product other than the specimen tested.

Taoyuan, Oct 25 2022

Sophia Liu
Head of Section

Cheng-Hsien Lin
Test Engineer

¹ Level A - Independent Test lab with certified ISO/IEC 17025 Quality System
UCA International Users Group P.O. Box 315, Shell Knob, MO 65747 USA

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

Conformance Block	Mandatory	Conditional
13: Time sync	cTm1, cTmN1	cTm2