

Issued to:

YU-CHEN SYSTEM TECHNOLOGY CORP.
4F., No. 5, Ln. 91, Dongmei Rd., East Dist., Hsinchu
City 300-043, Taiwan (R.O.C.)

For the server product:

YCS IEC 61850 Module
Firmware Version: V1.0

Issued by:

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

The server product 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 Server Test Procedures version 2.0.6 with product's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement for the IEC 61850 interface in YCS IEC 61850 Module version V1.0", "Model Implementation Conformance Statement(MICS) for the IEC 61850 Edition 2 server interface in YCS IEC 61850 Module version V1.0" and "Technical Issues Implementation Conformance Statement(TICS) for the IEC 61850 Edition 2 in YCS IEC 61850 Module version V1.0" and the extra information for testing: "Protocol Implementation eXtra Information for Testing (PIXIT) for the IEC 61850 Edition 2 server interface in YCS IEC 61850 Module version V1.0".

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

1	Basic Exchange (22/26)	12a	Direct Control (4/18)
2	Data Sets (3/7)	13	Time Synchronization (3/7)
5	Unbuffered Reporting (18/23)	14	File Transfer (7/8)

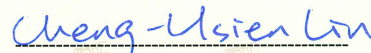
This certificate includes a summary of the test results as carried out at Taoyuan in Taiwan with SimFlex Client Simulator Edition 2 Version 3.19 with test suite IEC 61850 Ed.2 Conformance TP2_0_6_20220906 and Wireshark Version 3.6.3. This document has been issued for information purposes only, and the original paper copy of the Taiwan Testing and Certification Center report: No. 23-10- CAV-022 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 YU-CHEN SYSTEM TECHNOLOGY CORP. 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, May 16 2024



Sophia Liu
Head of Section



Cheng-Hsien Lin
Test Engineer

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

Applicable Test Procedures from the UCA International Users Group Edition 2 Server Test Procedures version 2.0.6

Conformance Block	Mandatory	Conditional
1: Basic Exchange	sAss1, sAss2, sAss3, sAss4, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrv8, sSrvN1abcd, sSrvN4	sAssN6, sSrv6, sSrv9, sSrv10, sSrvN1e, sSrvN3
2: Data Sets	sDs1, sDs10a, sDsN1ac	
5: Unbuffered Reporting	sRp1, sRp2, sRp3, sRp4, sRp5, sRp9, sRp14, sRp16, sRpN1, sRpN2, sRpN3, sRpN4, sRpN8	sRp8, sRp10, sRp11, sRp12, sRp15
12a: Direct control	sCtl5, sCtl10, sDOns1, sDOns2	
13: Time sync	sTm1, sTm2, sTmN1	
14: File transfer	sFt1, sFt2ab, sFt4, sFt5, sFtN1ab	sFt2c, sFtN1c