IEC 61850 Certificate Level A[1]

Issued to:

ProSoft Technology, Inc
9201 Camino Media, Suite 200
Bakersfield, CA 93311
USA

For the client system:

MVI56E-61850C IEC 61850 Client Communication
Module with Allen-Bradley ControlLogix 1756-L85E
controller

Manufacturer	Module	Serial Number	SW version
ProSoft	MVI56E-61850C	0001A7CA	1.01.022
Allen-Bradley	ControlLogix 1756-L85E	74457183	33.011

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 1.1.2 with product's protocol, model and technical issue implementation conformance statements: "Protocol Implementation Conformance Statement for the IEC 61850 interface in MVI56E-61850C, Revision 1.01, dated 10/04/2021", "Model Implementation Conformance Statement for the IEC 61850 interface in MVI56E-61850C, Revision 1.01, dated 08/05/2021" and "TISSUEs Implementation Conformance Statement (TICS) for the IEC 61850 Edition 2 Client and Server interface in MVI56E-61850C, Revision 1.01, dated 10/05/2021" and product's extra information for testing: "Protocol Implementation eXtra Information for Testing (PIXIT) for the IEC 61850 Edition 2 server interface in MVI56E-61850C, Revision 1.01, dated 09/30/2021".

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 (14/24)	12a	Direct Control (6/9)
2	Data Sets (4/10)	12b	SBO Control (7/11)
5	Unbuffered Reporting (19/24)	12c	Enhanced Direct Control (6/9)
6	Buffered Reporting (21/28)	12d	Enhanced SBO Control (7/11)

This certificate includes a summary of the test results as carried out at DNV in the Netherlands with UniCA 61850 IED Simulator version 6.1.31 and UniCA 61850 Analyzer 6.40.01. This document has been issued for information purposes only, and the archived DNV verification report No. 10286830-INC 21-3343 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 ProSoft Technology. 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, September 16, 2021

Issued by:

N.A. Heijker
Business Leader
Interoperability of Smart Power Systems

R. Schimmel
Verification Manager

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

IEC 61850 Certificate Level A

Applicable Test Procedures from the UCA International Users Group Edition 2 Client Conformance Test Procedures version 1.1.2

Conformance Block	Mandatory	Conditional
1: Basic Exchange	cAss1, cAss2, cAss3, cAssN1, cAssN4, cAssN5, cAssN6	cAssN7, cSrv5, cSrv7, cSrv10, cSrvN3, cSrvN5, cSrvN6
2: Data Sets		cDs2, cDs5, cDs6, cDsN1b
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRp11, cRp13a, cRp14, cRp15, cRp19, cRpN2, cRpN5, cRpN6	cRp2, cRp6, cRp7, cRp16, cRp18
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr13a, cBr14, cBr15, cBr19, cBr30, cBr31, cBrN2, cBrN5, cBrN6	cBr2, cBr6, cBr7, cBr16, cBr18
12a: Direct Control	cCtl4, cCtl5, cDOns1, cDOns2	cCtl1, cCtl2
12b: SBO Control	cCtl4, cCtl5, cSBOns1, cSBOns2, cSBOns3	cCtl1, cCtl2
12c: Enhanced Direct Control	cCtl4, cCtl5, cDOes1, cDOes2	cCtl1, cCtl2
12d: Enhanced SBO Control	cCtl4, cCtl5, cSBOes1, cSBOes2, cSBOes3	cCtl1, cCtl2