

## IEC 61850 Certificate Level A<sup>1</sup>

**Issued to:**

Schneider Electric Systems USA, Inc.  
70 Mechanic Street  
Foxboro, Massachusetts 02035-2040  
United States of America

**For the client system:**

EcoStruxure Foxboro SCADA SCD6000 CPU  
Software version: 18.0.2 SY-1101207\_R1  
Hardware version: SY-60399008R

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: "IEC 61850 Protocol Implementation Conformance Statements (Foxboro SCADA Remote Devices and RTU50) Reference Guide, B0780EC, Rev F" and product's extra information for testing: "IEC 61850 Protocol Implementation eXtra Information for Testing (Foxboro SCADA Remote Devices and RTU50) Reference Guide, B0780ED, Rev F".

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 (13/24)	12a	Direct Control (6/9)
4	Setting Group Selection (2/3)	12b	SBO Control (8/11)
5	Unbuffered Reporting (20/24)	12c	Enhanced Direct Control (6/9)
6	Buffered Reporting (23/28)	12d	Enhanced SBO Control (8/11)
		13	Time Synchronization (3/4)
		15	Service Tracking (14/17)

This certificate includes a summary of the test results as carried out at Schneider Electric Systems India Private Limited in Hyderabad, India with UniCA 61850 IED Simulator version 6.1.31 and UniCA 61850 Analyzer 6.41. This document has been issued for information purposes only, and the archived DNV verification report No. 10367801-DSO 24-4113 rev 02 will prevail.

The test has been carried out on one single specimen of the product as referred above and submitted to DNV by Schneider Electric. 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, April 12, 2024



**P. Pourebrahim**  
Test Engineer

Issued by:




**R. Schimmel**  
Verification Manager

<sup>1</sup> Level A - Independent test lab with certified ISO 9001 Quality System  
UCA International Users Group P.O. Box 315, Shell Knob, MO 65747 USA

## IEC 61850 Certificate Level A

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 cSrv8, cSrv10, cSrvN2, cSrvN5, cSrvN6
4: Setting Group Selection	cSg2, cSgN1	
5: Unbuffered Reporting	cRp3, cRp4, cRp5, cRp8, cRp9, cRp10, cRp11, cRp13a, cRp14, cRp15, cRp19, cRpN2, cRpN5, cRpN6	cRp2, cRp6, cRp7, cRp16, cRp17, cRp18
6: Buffered Reporting	cBr3, cBr4, cBr5, cBr8, cBr9, cBr10, cBr11, cBr13a, cBr14, cBr15, cBr19, cBr30, cBr31, cBrN2, cBrN5, cBrN6	cBr2, cBr6, cBr7, cBr16, cBr17, cBr18, cBr33
12a: Direct Control	cCtl4, cCtl5, cDOs1, cDOs2	cCtl1, cCtl2
12b: SBO Control	cCtl4, cCtl5, cSBOs1, cSBOs2, cSBOs3	cCtl1, cCtl2, cSBOs4
12c: Enhanced Direct Control	cCtl4, cCtl5, cDOes1, cDOes2	cCtl1, cCtl2
12d: Enhanced SBO Control	cCtl4, cCtl5, cSBOes1, cSBOes2, cSBOes3	cCtl1, cCtl2, cSBOes4
13: Time sync	cTm1, cTmN1	cTm2
15: Service Tracking		cTrk1, cTrk2, cTrk4, cTrk7, cTrk8, cTrk9, cTrk10, cTrk11, cTrk12, cTrk13, cTrk14, cTrk15, cTrk16, cTrk17