IEC 61850 Certificate Level B[1]

Issued to:

Schneider Electric
Recloser Solutions
80 Schneider Road
Eagle Farm, Brisbane
QLD 4009, Australia

For the server product:

ADVC3 - Advanced Controller
Firmware version: A50-06.13r29707
S/N: 0

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 1.0 with TPCL[2] 1.2.4 with product's protocol, model and technical issue implementation conformance statements: "ADVC3 Advanced Controller Range PICS and MICS, version2.0, release 05/2018" and " ADVC3 Advanced Controller Range Technical Issues Conformance Statement (TICS), release 05/2018 " and the extra information for testing: " ADVC3 Advanced Controller Range Protocol Implementation eXtra Information for Testing, version2.0, release 05/2018".

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 (22/26)	9a	GOOSE Publish (11/13)
2	Data Sets (4/7)	9b	GOOSE Subscribe (12/14)
2+	Data Set Definition (24/24)	12a	Direct Control (5/18)
5	Unbuffered Reports (20/21)	12d	Enhanced SBO Control (12/28)
6	Buffered Reports (27/30)	13	Time Synchronization (4/7)

This Certificate includes a summary of the test results as carried out at Schneider Electric in Brisbane,Australia with UniCASim 61850 client simulator 4.31.02 with test suite v4.32.03, Unigrid SA 1.4 with test suite Ed2 1.0.56 and UniCA Analyzer 5.34.01. This document has been issued for information purposes only, and the original paper copy of the Schneider Electric IEC61850 lab report:
No. Schneider_VAL_ADVC3- A50-06.13r29707_Ed2_RPT_01 will prevail.
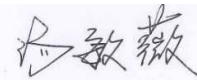
The test has been carried out on one single specimen of the product as referred above and submitted to Schneider Electric IEC61850 lab by Schneider Electric. The manufacturer's production process has not been assessed. This certificate does not imply that Schneider Electric IEC61850 lab has certified or approved any product other than the specimen tested.

Shanghai, May 29,2018

Issued by:

Frédéric Bel
Validation & Certification Director

Minwei Tang
IEC61850 Test Engineer

---

[1] Level B Tester lab with certified ISO 9001 Quality System

[2] Test Procedure Change List

Applicable Test Procedures from the UCA International Users Group Edition 2 Server Test Procedures version 1.0 with TPCL 1.2.4

Conformance Block	Mandatory	Conditional
1: Basic Exchange	sAss1, sAss2, sAss3, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrvN1abcd, sSrvN4	sAssN6, sSrv6, sSrv8, sSrv12, sSrvN1e, sSrvN1f, sSrvN2, sSrvN3
2: Data Sets	sDs1, sDs10a, sDsN1ae	sDs15
2+: Data Set Definition	sDs2, sDs3, sDs4, sDs5, sDs6, sDs7, sDs8, sDs9, sDs11, sDs13, sDs14, sDsN1cd, sDsN2, sDsN3, sDsN4, sDsN5, sDsN6, sDsN7, sDsN8, sDsN9, sDsN10	sDs12, sDsN11, sDsN12
5: Unbuffered Reporting	sRp1, sRp2, sRp3, sRp4, sRp5, sRp9, sRp14, sRp15, sRpN1, sRpN2, sRpN3, sRpN4, sRpN8	sRp6, sRp7, sRp8, sRp10, sRp11, sRp12, sRpN5
6: Buffered Reporting	sBr1, sBr2, sBr3, sBr4, sBr5, sBr9, sBr14, sBr15, sBr20, sBr21, sBr22, sBr25, sBr26, sBr27, sBr28, sBrN1, sBrN2, sBrN3, sBrN4, sBrN5, sBrN8	sBr6, sBr7, sBr8, sBr10, sBr11, sBr12
9a: GOOSE publish	sGop2a, sGop3, sGop4, sGop9, sGop10, sGop11	sGop1, sGop6, sGop7, sGopN1, sGopN2
9b: GOOSE subscribe	sGos1, sGos2, sGos3, sGos5, sGos6a, sGos7, sGosN1, sGosN2, sGosN3, sGosN4, sGosN5, sGosN6	
12a: Direct control	sCtl5, sCtl10, sDOns1, sDOns2	sCtl16
12d: Enhanced SBO control	sCtl5, sCtl8, sCtl9, sCtl10, sCtl11, sCtl25, sSBOes1, sSBOes2, sSBOes6, sSBOes8	sCtl4, sCtl16
13: Time sync	sTm1, sTm2, sTmN1	sTm5