

No.SchneiderElectric_Easergy_P5M30_Ed1

Issued to:

Schneider Electric Industries SAS
35 rue Joseph Monier,
92500 Rueil -Maimaison, France

For the server product:

Easergy P5M30
Motor Protection Device
Software version: V01

The server product has not been shown to be non-conforming to:

IEC 61850 First Edition 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, the UCA International Users Group Server Device Test Procedures version 3.3, the product's protocol, model and technical issue implementation conformance statements: Schneider Electric Easergy P5 IEC61850 Server Conformance Statement Ed1: Chapter 2 PICS, Schneider Electric Easergy P5 IEC61850 Server Conformance Statement Ed1: Chapter 3 MICS, Schneider Electric Easergy P5 IEC61850 Server Conformance Statement Ed1: Chapter 5 TICS and product's extra information for testing: Schneider Electric Easergy P5 IEC61850 Server Conformance Statement Ed1: Chapter 4 PIXIT.

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 (24/25)	9a GOOSE Publish (11/12)
2 Data Sets (3/6)	9b GOOSE Subscribe (11/11)
2+ Data Set Definition (24/24)	12a Direct Control (5/11)
4 Setting Group Selection (3/3)	12b SBO Control (8/14)
4+ Setting Group Definition (7/7)	12c Enhanced Direct Control (7/13)
5 Unbuffered Reports (18/18)	12d Enhanced SBO Control (11/19)
6 Buffered Reports (25/27)	13 Time Synchronization (5/5)
	14 File Transfer (4/7)

This Certificate includes a summary of the test results as carried out at Schneider Electric IEC61850 lab in China with client simulator UniCASim 61850 version 4.31.02 with test suite version 3.31.00 and UniCA Analyzer version 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_Easergy P5M30__Ed1_RPT 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 12, 2020



Chunyan YU
Verification Manager

Issued by:




Lingli LIU
IEC61850 Test Engineer

¹ Level B _ Tester lab with certified ISO 9001 Quality System

Applicable Test Procedures from the UCA International Users Group Server Device Test Procedures version 3.3

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	AssN3, AssN6 Srv6, Srv7, Srv8, Srv10, Srv12, SrvN1e, SrvN1f, SrvN2, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
2+: Data Set Definition	Dset2, Dset3, Dset4, Dset5, Dset6, Dset7, Dset8, Dset9, DsetN1cd, DsetN2, DsetN3, DsetN4, DsetN5, DsetN6, DsetN7, DsetN8, DsetN9, DsetN10, DsetN11, DsetN12, DsetN13, DsetN14	DsetN15a, DsetN15b
4: Setting Group Selection	Sg1, SgN1a, Sg3	
4+: Setting Group Definition	Sg2, Sg4, SgN1b, SgN2, SgN3, SgN4, SgN5	
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp9, RpN1, RpN2, RpN3, RpN4, RpN8	Rp5, Rp6, Rp7, Rp8, Rp10, Rp11, Rp12, RpN5
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br9, Br20, Br21, Br22, Br25, Br26, Br27, Br28 BrN1, BrN2, BrN3, BrN4, BrN5, BrN8	Br5, Br6, Br7, Br8, Br10, Br11, Br12
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop9, Gop10a	Gop1, Gop6, Gop7, Gop10b, GopN1, GopN2
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	Gos1b, Gos4
12a: Direct control	CtIN3, DOns1	Ctl2, CtlN11, DOns3
12b: SBO control	CtIN1, CtIN2, CtIN3, CtIN4, SBOs2	Ctl2, Ctl3, CtlN11
12c: Enhanced Direct Control	CtIN3, DOes2, DOes5	Ctl2, CtlN6, CtlN8, CtlN11
12d: Enhanced SBO control	CtIN1, CtIN2, CtIN3, CtIN4, CtIN9, SBOes1, SBOes2, SBOes3	Ctl2, Ctl3, CtlN11
13: Time sync	Tm1, Tm2	Tm3, TmN1, TmN2
14: File transfer	Ft1, Ft2ab, Ft4, FtN1ab	