



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

No. SchneiderElectric\_Easergy\_P5F30\_V01\_GoosePerformanceEd2

**Issued to:**

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

**For the product:**

Easergy P5F30  
Feeder Protection  
Software version: V01  
Hardware version: P5F30-AACB-HBBEH-AABC

**Issued by:** Schneider Electric IEC61850 Laboratory - China

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

## IEC 61850-5 Edition 2 Performance Class P2 (10ms)

The performance test has been performed according to the UCA International Users Group GOOSE performance Test Procedures version 2.5 with product's protocol implementation conformance statements and product's extra information for testing: "Schneider Electric Easergy P5 IEC 61850 Server Conformance Statement Ed 2".

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.

This Certificate summarizes test results as carried out at Schneider Electric IEC61850 lab in China with the OMICRION Test Universe version 3.20, UniCA GOOSE simulator version 2.27.01, Profishark 1G+ 2.5.24 and Wireshark 2.6.4. This document has been issued for information purposes only, and the original paper copy of the test report: No. SchneiderElectric\_Easergy\_P5F30\_V01\_GoosePerformanceEd2\_\_RPT will prevail.

The GOOSE performance has been measured with Boolean and Double Point information's.

Shanghai, 2019-05-21

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Ver & Val Section Manager



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IEC61850 Test Engineer

## GOOSE Performance Measured Results:

Performance class = P2 (10 ms)

Goose Performance Benchmark summary results (compensated for scan cycle delays if any)

Test ID	Large dataset	Correlated subscribed	Back-ground	Minimum Transfer time [ms]	Maximum Transfer time [ms]	Average Transfer time [ms]
Gpf1	-	-	-	0.38	0.65	0.33
Gpf2	X	-	-	0.73	5.96	0.97
Gpf3	-	X	-	0.36	0.60	0.37
Gpf4	X	X		0.72	5.54	0.85
Gpf5	-	-	X	0.38	0.64	0.35
Gpf6	X	-	X	0.73	5.82	0.97
Gpf7	-	X	X	0.36	0.68	0.37
Gpf8	X	X	X	0.71	5.57	0.83
Gpf9 fixed length	X	X		0.70	3.32	0.68