



IEC 61850 Certificate Level B¹

No. Schneider_VAL_PowerLogic_P3_GoosePerformanceEd2

Issued to:

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

For the product:

PowerLogic™ P3
Protection Relay
Firmware version: V01.100
S/N: WX2337104200021

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: "Conformance Statement for the IEC 61850 Ed.2 server interface in the PowerLogic™ P3 protection relay version 11A".

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 4.31, Profishark 1G+ and Wireshark 3.4.6. This document has been issued for information purposes only, and the original paper copy of the test report: No. Schneider_VAL_PowerLogic_P3_GoosePerformanceEd2_RPT_01 will prevail.

The GOOSE performance has been measured with Boolean and Double Point values.

Shanghai, 2024-01-26

Issued By:

Xiaohui WANG
Validation Manager



Huan WU
Test Engineer

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1 Level B - Test lab at least following ISO 9001

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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	-	-	-	0.64	4.51	1.77
Gpf2	X	-	-	0.92	5.29	2.52
Gpf3	-	X	-	0.43	5.00	1.88
Gpf4	X	X		0.93	5.43	2.58
Gpf5	-	-	X	0.63	4.54	1.77
Gpf6	X	-	X	0.93	5.55	2.47
Gpf7	-	X	X	0.45	4.70	1.88
Gpf8	X	X	X	0.96	5.20	2.59
Gpf9 fixed length	X	X		1.26	5.93	2.98