



IEC 61850 Certificate Level B¹



No. Schneider_VAL_BMRZ-TD_version-2.0.1_Ed2_Certificate

Issued to:
"MECHANOTRONIKA" LTD
Bld. 23A, str. Pionerstroya
St. Petersburg, 198206, Russia

For the product:
BMRZ -TD
Software version: 2.0.1
Hardware version: 648228

Issued by:
Schneider Electric
IEC61850 Laboratory - China

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 version 1.0 with product's protocol, model and technical issue implementation conformance statements: "BMRZ-TD_PICS_Ed2 version 2.01", "BMRZ-TD_MICS_Ed2 version 2.01" and "BMRZ-TD_TICS_Ed2 version 2.01" and product's extra information for testing: "BMRZ-TD_PIXIT_Ed2 version 2.01".

The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test):

1	Basic Exchange (21/26)	9a	GOOSE Publish (12/13)
2	Data Sets (4/7)	9b	GOOSE Subscribe (12/14)
		13	Time Synchronization (5/7)

This Certificate includes a summary of the test results as carried out at Schneider Electric IEC61850 lab with client simulator UniCASim 61850 verion 4.28.04 with test suite version 3.27.12 and analyzer UniCA version 5.28.03. This document has been issued for information purposes only, and the original paper copy of the Schneider Electric IEC61850 lab report: No. Schneider_VAL_BMRZ-TD_version-2.0.1_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 MECHANOTRONIKA in Russia. 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, November 25, 2014

Baohua WANG
IED Validation Manager

Gang Li
IEC61850 test Engineer

¹ Level B – Test lab at least following ISO 9001

² Test Procedure Change List

Copyright © Schneider Electric All right reserved. Please note that any electronic version of this Schneider Certificate is provided to Schneider's customer for convenience purpose only. It is prohibited to update or change it in any manner



Copyright © Schneider Electric All right reserved. Please note that any electronic version of this Schneider Certificate is provided to Schneider's customer for convenience purpose only. It is prohibited to update or change it in any manner

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

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, sSrvN3
2: Data Sets	sDs1, sDs10a, sDs15, sDsN1ae	
9a: GOOSE publish	sGop2a, sGop3, sGop4, sGop7, sGop9, sGop10, sGop11	sGop1, sGop5, sGop6, sGopN1, sGopN2
9b: GOOSE subscribe	sGos1, sGos2, sGos3, sGos5, sGos6a, sGos7, sGosN1, sGosN2, sGosN3, sGosN4, sGosN5, sGosN6	
13 Time sync	sTm1, sTm2, sTmN1	sTm3, sTmN2