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IEC 61850 Certificate Level A

Issued to:
Nexus Controls LLC
1800 Nelson Rd
Longmont, CO 80501-6324, USA

For the client system:
MPU55 and MPU56
Software Version: Optimum V2.73 firmware
MPU55 Hardware Version: 369B1860G0030
MPU56 Hardware Version: 369B1860G0031

The client system and associated test data has been reviewed and shown to be in conformance with the requirements of:

IEC 61850, Parts 6:2009, 7-1:2011+AMD1:2020, 7-2:2010, 7-3 :2010+AMD1:2020, 7-4 :2010+AMD1:2020, and 8-1:2011+AMD1:2020
Communication networks and systems in substations

The conformance test has been performed according to IEC 61850 and Conformance Test Procedures for Client System with IEC 61850 interface with client system's protocol, model, and technical issue implementation conformance statements: Protocol Implementation Conformance Statement (PICS), MICS, PIXIT, TICS, and ICD and configured per the Client Conformance Test per IEC 61850.

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	12a Direct Control
5 Unbuffered Reporting	12d Enhanced SBO Control
6 Buffered Reporting	13 Time Synchronization

This certificate includes a summary of the test results as carried out by Intertek in Shanghai, China, with 61850 Test Suite Pro (version 4.2.0.3) simulator and Wireshark (version 3.6.0) analyzer. This document has been issued for informational purposes only and the original paper copy of the Intertek Report 104859287CSLT-003C will prevail.

Testing has been carried out on one single specimen of Models MPU55 and MPU56, as referred above and submitted to Intertek USA Inc. by Nexus Controls LLC. The manufacturer's production process has not been assessed. Test results relate only to those items tested. This is an informative report and does not imply certification, listing, labeling, or approval within an ISO/IEC 17065:2012 accreditation. It is prohibited to update or change this certificate in any manner whatsoever, including but not limited to dividing it into parts.

Issued by:

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