



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NATIONAL ELECTRIC ENERGY TESTING RESEARCH & APPLICATION CENTER

Nicholas J. Conrad Laboratory

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ELECTRICAL

Valid to: November 30, 2018

Certificate Number: 3349.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electrical tests on re-closers, fault interrupters, switches, fuses and switchgears:

Test:

Test Method(s):

Line Charging

IEC 62271-111:2012, Sub-clause 6.101.5.2;
IEEE Std. C37.60-2012, Sub-clause 6.101.5.2;
IEEE Std. 1247-2005, Sub-clause 8.3.2.4

Cable Charging

IEC 62271-111:2012, Sub-clause 6.101.5.3;
IEEE Std. C37.60-2012, Sub-clause 6.101.5.3;
IEEE Std. C37.74-2014, Sub-clause 6.7.5.6;
IEEE Std. 1247-2005, Sub-clause 8.3.2.3

Interrupting

IEC 62271-111:2012, Sub-clause 6.103;
IEEE Std. C37.60-2012, Sub-clause 6.103

Fault-making

IEC 62271-111:2012, Sub-clause 6.102;
IEEE Std. C37.60-2012, Sub-clause 6.102;
IEEE Std. C37.74-2014, Sub-clause 6.7.4.6;
IEEE Std. 1247-2005, Sub-clause 8.5

Short Time and Peak Withstand

IEC 62271-1:2011, Sub-clause 6.6;
IEC 62271-102:2001, Sub-clause 6.6;
IEC 62271-103:2011, Sub-clause 6.6;
IEC 62271-111:2012, Sub-clause 6.6;
IEEE Std. C37.60-2012, Sub-clause 6.6;
IEC 62271-200: 2011, Sub-clause 6.6;
IEC 62271-201: 2014, Sub-clause 6.6;
IEEE Std. C37.74-2014, Sub-clause 6.7.4.3;
IEEE Std. C37.74-2014, Sub-clause 6.7.4.5;
IEEE Std. 1247-2005, Sub-clause 8.4.2;
IEEE Std. 1247-2005, Sub-clause 8.4.3

Test:

Making/Breaking

Breaking

Critical Current

Test Method(s):

IEC 62271-103:2011, Sub-clause 6.101;
IEC 62271-201:2014, Sub-clause 6.101;
IEEE Std. C37.74-2014, Sub-clause 6.7.5.4;
IEEE Std. C37.74-2014, Sub-clause 6.7.5.5;
IEEE Std. 1247-2005, Sub-clause 8.3.2.1;
IEEE Std. 1247-2005, Sub-clause 8.3.2.2

IEC 60282-2:2008, Sub-clause 8.6

IEC 62271-111:2012, Sub-clause 6.104;
IEEE Std. C37.60-2012, Sub-clause 6.104



Accredited Laboratory

A2LA has accredited

NATIONAL ELECTRIC ENERGY TESTING RESEARCH & APPLICATION CENTER

Forest Park, GA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 28th day of February 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3349.01
Valid to November 30, 2018

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.