TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

La présente portée d'accréditation existe également en français et est publiée séparément.

Legal Name of Accredited Laboratory:	**GEPR Energy Canada Inc.**
Location Name or Operating as (if applicable):	GEPR Energy Canada Test Laboratory
Contact Name:	Vincent Raponi
Address:	650 Markland St. Markham, Ontario L6C 0M1
Telephone:	+1 905 927-5089
Fax:	+1 905 927-5098
Website:	www.gegridsolutions.com
Email:	vincent.raponi@ge.com

To ensure compliance with the *Official Languages Act*, the Standards Council of Canada (SCC) translated proprietary content from English to French when it was not available in French. In case of discrepancies between the English and French versions, the original version prevails.

SCC File Number:	15980
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Electrical/Electronic
Initial Accreditation:	2015-04-20
Most Recent Accreditation:	2024-11-28
Accreditation Valid to:	2027-04-20

ELECTRICAL PRODUCTS AND ELECTRONIC PRODUCTS

Communications Equipment and Systems:

(Electromagnetic Compatibility and Interference (EMC and EMI))

CISPR 11	Industrial, scientific, and medical (ISM) radio-frequency equipment - Radio disturbance characteristics - Limits and methods of measurement Only for: Small EUTs as described in Section 3.1
CISPR 22	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
CISPR 32	Electromagnetic compatibility of multimedia equipment - Emission requirements
IEC 60068-2-1	Environmental testing - Part 2-1: Tests - Test A: Cold
IEC 60068-2-2	Environmental testing - Part 2-2: Tests - Test B: Dry heat
IEC 60068-2-30	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)
IEC 60068-2-14	Environmental testing - Part 2-14: Tests - Test N: Change of temperature
IEC 60068-2-78	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state
IEC 60255-21-1	Electrical relays - Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment - Section One: Vibration tests (sinusoidal)
IEC 60255-21-2	Electrical relays Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment - Section Two: Shock and bump tests
IEC 60255-21-3	Electrical relays - Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment - Section Three: Seismic tests
IEC/EN 60255-1	Measuring relays and protection equipment-Part 1 Common requirements
IEC / EN 60255-26	Measuring relays and protection equipment - Part 26: Electromagnetic compatibility requirements
IEC / EN 60255-27	Measuring relays and protection equipment - Part 27: Product safety requirements Limitation: Flammability of insulating materials by material classification only
IEC/ EN 61850-3	Communication networks and systems for power automation-Part 3: General requirements
IEC 60529	Degrees of protection provided by enclosures (IP Code) Limitation: Applicable up to IP 54 only
IEC 61000-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
IEC 61000-4-3	Electromagnetic compatibility (EMC) - Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test Limitation: Applicable only up to Level 3 or 20 V/m
IEC 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test

IEC 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
IEC 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
IEC 61000-4-9	Electromagnetic compatibility (EMC) - Part 4-9: Testing and measurement techniques - Impulse magnetic field immunity test
IEC 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
IEC 61326-1	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements
IEC 61000-4-10	Electromagnetic compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test
IEC 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short Interruptions, and voltage variations immunity tests for equipment with input current up to 16 A per phase
IEC 61000-4-17	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test
IEC 61000-4-18	Electromagnetic compatibility (EMC) - Part 4-18: Testing and measurement techniques - Damped oscillatory wave immunity test
IEC 61000-4-29	Electromagnetic compatibility (EMC) - Part 4-29: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests
IEEE C37.90.1	IEEE Standard for Surge Withstand Capability (SWC) Tests for Relays and Relay Systems Associated with Electric Power Apparatus Only for: 5.1 Oscillatory SWC test; and 5.2 Fast Transient SWC test
IEEE C37.90.2	IEEE Standard for Withstand Capability of Relay Systems and Radiated Electromagnetic Interference from Transceivers
IEEE C37.90.3	IEEE Standard Electrostatic Discharge Tests for Protective Relays

Number of Scope Listings: 34

Notes:

ISO/IEC 17025: General Requirements for the Competence of Testing and Calibration Laboratories

CISPR: International Special Committee on Radio Interference

IEC: International Electrotechnical Commission

IEEE: Institute of Electrical and Electronics Engineers

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at https://scc-ccn.ca/.

Elias Rafoul
Vice-President, Accreditation Services
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