



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY PITTSFIELD LIGHTNING TECHNOLOGIES

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Pittsfield, MA 01201

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ELECTRICAL

Valid To: November 30, 2025

Certificate Number: 0214.33

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electrical immunity tests:

<u>Test:</u>	<u>Test Method(s) ¹:</u>
Voltage Spike	RTCA/DO-160 C, D, E, F, G (Section 17) ²
Lightning Induced Transient Susceptibility	RTCA/DO-160 C, D, E, F, G (Section 22) ² ; MIL-STD-461G (CS117); SAE ARP 5416, (Section 6) ²
Lightning Direct Effects ³	RTCA/DO-160 D, E, F, G (Section 23); SAE ARP 5416
Electrostatic Discharge (ESD)	RTCA/DO-160 D, E, F, G (Section 25) ² ; MIL-STD-331C, Test F1.2
Aircraft Lightning	SAE ARP 5416; SAE ARP 5416 (Section 6) ²
Wind Turbines	IEC 61400-24
Surge Voltage Testing	IEEE C62.41-1991
Fuel Gas Piping Systems using Corrugated Stainless-Steel Tubing	ANSI LC 1/CSA 6.26 Section 5.16.3
PMG Listing Criteria for Conductive Jacketed, Corrugated Stainless-Steel Tubing	LC 1024
PMG Listing Criteria for Conductive Jacketed, Corrugated Stainless-Steel Tubing	LC 1027

On the following products or types of products:

Aerospace, Defense, Telecommunications, Electrical, Electronics, Automotive, Wind Power, and Commercial

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

² This laboratory performs field testing activities for these tests.

³ This laboratory is only accredited for the test methods listed above. The accredited test methods are used in determining compliance with the documents (material specifications, guides, practices, conversion tables) listed below. The inclusion of these documents on this Scope does not confer laboratory accreditation to them nor does it confer accreditation for the method(s) embedded within them.

Requirement:

Lightning Direct Effects

Specification Document:

MIL-STD 464, Section 5.5





Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY PITTSFIELD LIGHTING TECHNOLOGIES

Pittsfield, MA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 April 2017).



Presented this 26th day of September 2023.

A blue ink signature of Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0214.33
Valid to November 30, 2025
Revised November 8, 2023

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