



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NATIONAL INSTITUTE FOR AVIATION RESEARCH  
(NIAR) – ENVIRONMENTAL TEST LAB

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ELECTRICAL

Valid to: August 31, 2026

Certificate Number: 5915.01

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

**Test Technology:**

**Test Method(s):**

Electrostatic Discharge (ESD)

RTCA/DO-160 D<sup>1</sup>, E<sup>1</sup>, F<sup>1</sup>, G, Section 25

Voltage Spikes

RTCA/DO-160 D<sup>1</sup>, E<sup>1</sup>, F<sup>1</sup>, G, Section 17

**Mechanical Testing**

Temperature Variation

RTCA/DO-160 D<sup>1</sup>, E<sup>1</sup>, F<sup>1</sup>, G, Section 5

Humidity

RTCA/DO-160 D<sup>1</sup>, E<sup>1</sup>, F<sup>1</sup>, G, Section 6

Salt Fog

RTCA/DO-160 C<sup>1</sup>, D<sup>1</sup>, E<sup>1</sup>, F<sup>1</sup>, G, Section 14;  
ASTM B117;  
MIL-STD-810 G<sup>1</sup>, H Method 509.6

On the following products and materials: Aircraft system and component level testing on equipment such as actuators, FADECs, cockpit displays and controls, in-cabin entertainment, communication receivers/transmitters and antennas.

<sup>1</sup>NOTE: This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.



## Accredited Laboratory

A2LA has accredited

# NATIONAL INSTITUTE FOR AVIATION RESEARCH (NIAR) – ENVIRONMENTAL TEST LAB

Wichita, Kansas

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 9<sup>th</sup> day of May 2024.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5915.01  
Valid to August 31, 2026

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