



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, 2024

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)¹:

Electrostatic Discharge (ESD) RTCA/DO-160 D², E², F², G, Section 25

Voltage Spikes RTCA/DO-160 D², E², F², G, Section 17

Mechanical Testing

Temperature Variation RTCA/DO-160 D², E², F², G, Section 5

Humidity RTCA/DO-160 D², E², F², G, Section 6

Salt Fog RTCA/DO-160 C², D², E², F², G, Section 14;
ASTM B117;
MIL-STD-810 G², 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.

¹When 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*. If a specifier/regulator imposes a different transition period, this will supersede A2LA's one-year implementation period.

²NOTE: This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.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 27th day of June 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5915.01
Valid to August 31, 2024

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