



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994

NATIONAL INSTITUTE FOR AVIATION RESEARCH (NIAR) at WICHITA STATE UNIVERSITY
National Institute for Aviation Research Building
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CALIBRATION

Valid to: November 30, 2019

Certificate Number: 3210.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Mechanical

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Force	(1 to 220 000) lbf	0.19 %	ASTM E4, Class A standards

¹ This laboratory does not offer commercial calibration service. Calibration only services the NIAR group.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ In the statement of CMC, the value is defined as the percentage of reading.



Accredited Laboratory

A2LA has accredited

NATIONAL INSTITUTE FOR AVIATION RESEARCH (NIAR) AT WICHITA STATE UNIVERSITY

Wichita, KS

for technical competence in the field of

Calibration

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 laboratory also meets ANSI/NCSL Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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 7th day of November 2017.

A handwritten signature in black ink, appearing to be 'L. L. L.', written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3210.01
Valid to November 30, 2019

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