



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

SYSTEMA TECHNOLOGIES

Bothell, WA

for technical competence in the field of

Acoustics and Vibration Testing

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 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 8th day of October 2009.





Peter Meyer

President & CEO
For the Accreditation Council
Certificate Number 2366.01
Valid to September 30, 2011

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Acoustics and Vibration Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SYSTIMA TECHNOLOGIES
Environmental Test Lab
1832 - 180th Street SE
Bothell, WA 98012
Peter Hayden Phone: 425 487 4020

ACOUSTICS & VIBRATION

Valid To: September 30, 2011

Certificate Number: 2366.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the tests listed below on Automotive, Aerospace, Military and Electrical, Electronic and Mechanical components and assemblies:

<u>Test</u>	<u>Test Method</u>
<u>Vibration</u>	ASTM D999-01 (Section 5.1, Method A1), ASTM D999-01 (Section 5.3, Method B & C); IEC 68-2-6, 68-2-64; ISTA (Procedure 2A, Sequence 4 & 6); MIL-STD 167 (Type 1); MIL-STD 202 (Methods 201, 204, 214); MIL-STD 331 (Group B); MIL-STD 750 (Methods 2046, 2051, 2056); MIL-STD 810 (Method 514); MIL-STD 883 (Methods 2005, 2006, 2007); RTCA DO-160 (Section 8); SAE J1455 (Section 4.9)

Electro-Dynamic vibration up to 15,000 F-lbs., (5 to 3000) Hz, including sinusoidal, random, sine-on-random, multiple channel control / monitoring, transmissibility plots, resonance search and dwell for transportations, aviation and shipboard vibration, package testing, R&D component development and product qualification / integrity testing, using the above methods and customer supplied standards, methods and specifications within the parameters listed above.

Test

Mechanical Shock

Test Method

IEC 68-2-27;
MIL-STD 202 (Method 213, Cond. A - C and G - K);
MIL-STD 750 (Method 2016);
MIL-STD 810 (Method 516.5);
RTCA DO-160 (Section 7);
SAE J1455 (Section 4.10, Method 4.10.2.3)

Electro-Dynamic shock up 150-G's including Classical Shock (Half-Sine, Saw Tooth, Trapezoid, Rectangle, and Triangle wave forms) and Shock Response Spectrum (SRS), using the above methods and customer supplied standards, methods and specifications within the parameters listed above.

