SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DATASYST ENGINEERING & TESTING SERVICES, INC.
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MECHANICAL

Valid To: December 31, 2027 Certificate Number: 2107.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on mechanical assemblies and electrical components specializing in the following types of industries: Automotive, Military, Batteries, Commercial, Mining, Process Equipment, Construction Equipment, Aviation, Food & Beverage, Government, Energy Technologies, Medical, Healthcare, Recreational Vehicle, Agricultural, Specialty Vehicle Systems, Telecommunications, Product Packaging Materials, Transportation and Rail Components, Industrial and Manufacturing.

Test(s)/Test Parameters:	**Test Method(s):**[1, 2]
Vibration	
Sine, Random, Sine-on-Random Combined Environment DC up to 3,000 Hz Up to 24,000 Force Pounds (-73 to 177) ºC (30% to 80%) RH Shock: 50g's 6ms	ETSI EN 300 019-2-2 v.2.1.2, ETSI EN 300 019-2-3 v.2.1.3; IEC 60068-2-6, IEC 60068-2-64; MIL-STD-202G Method 201A, 204D, 214, MIL-STD-810 (D, E, F, G, H) Method 514, MIL-STD-883E Method 2005.2, 2007.2, MIL-STD-1344A Method 2005; RTCA/DO-160 G Section 8; SAE J1211 Section 4.7, SAE J1455 Section 4.10; GR-63-CORE Section 5.4.2, 5.4.3, 4.4.3
Mechanical Shock Pulse (0.1 to 700) g's Temperature (-73 to 177) ºC	ETSI EN 300 019-2-2 v.2.1.2, ETSI EN 300 019-2-3 v.2.1.3; GR-63-CORE Section 5.3; IEC 60068-2-27; MIL-STD-202G Method 213B, MIL-STD-810 (D, E, F, G, H) Method 516, MIL-STD-810F Method 519, MIL-STD-883E Method 2002, MIL-STD-1344A Method 2004; RTCA/DO-160 G Section 7; SAE J1211 Section 4.8, SAE J1455 Section 4.11

Test(s)/Test Parameters:	**Test Method(s):**[1, 2]
Mechanical Impact Drop up to 5 ft	CFR 49 Para. 178.603; ISO 16750-3
Durability/Mechanical Force up to 30,000 lbs Displacement up to 10 in Velocity 35 in/s	MIL-STD-1344A 2009, 2010
Accelerated Exposure - Controlled Irradiance	SAE J2527_201709
Environmental Simulation Temperature (-73 to 177) ºC	IEC 60068-2-1; MIL-STD-883E, Methods 1005, 1006, 1007, 1008, MIL-STD-1344A Method 1005, MIL-STD-781, MIL-STD-810H Method 501, 502; RTCA/DO-160 G Section 5; SAE J1211 Section 4.1, SAE J1455 Section 4.1
Thermal Shock (-70 to 200) ºC within 3 seconds	MIL-STD-810H Method 503, MIL-STD-883E Method 1010, MIL-STD-1344A Method1003
Temperature and Humidity @50°C, 5 %RH @30°C, 95 %RH	ETSI EN 300 019-2-1 v.2.1.2; IEC 60068-2-28, IEC 60068-2-30; MIL-STD-810H Method 507; IEC 60068-2-38; MIL-STD-202G Method 103B, MIL-STD-1344A Method 1002, MIL-STD-810H Method 507; SAE J1211 Section 4.2, SAE J1455 Section 4.2; RTCA/DO-160 G Section 6; ANSI/NEMA EN 10250-2024, Section 5.6
Dust Blowing and Settling	MIL-STD-810F, H Method 510
Temperature/Altitude (-40 to +160) ºC Sea Level to 40,000 feet or 24 inches Hg	GR-63-CORE 5.1; MIL-STD-883E Method 1001, Condition B MIL-STD-810H Method 500; RTCA DO 160 G Section 4; SAE J1211 Section 4.6, SAE J1455 Section 4.9
Solar Radiation (Sunshine)	MIL-STD-810H (Method 505.7)
Immersion	MIL-STD-883E Method 1002, MIL-STD-810F, H Method 512; ANSI/NEMA EN 10250-2024, Section 5.7

Test(s)/Test Parameters:	**Test Method(s):**[1, 2]
Immersion and Splash	MIL-STD-1344A Method 1016, MIL-STD-810H Method 506; SAE J1211 Section 4.4, SAE J1455 Section 4.4
Packaged Products for Parcel Delivery Systems	ISTA 1A, 1B, 1C, 1D, 1E, 1G, 2A, 2B, 2C, 3A, 3B, 3E, 3F, 4AB, 6 Series, Project 6-AMAZON.COM-SIOC, 7D
Strain Gage Application (Installation of Bonded Resistance Strain Gages)	ASTM E1237
Voltage VDC: 300 V VAC: 300 V	SAE J1455 4.13.1

[1]This laboratory also uses customer supplied specifications directly related to the tests and within the parameters listed above.

[2] 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 test method, per part C., Section 1 of A2LA *R101 - General Requirements-Accreditation of ISO-IEC 17025 Laboratories*.

Accredited Laboratory

A2LA has accredited

DATASYST ENGINEERING & TESTING SERVICES, INC.

Delafield, WI

for technical competence in the field of

Mechanical 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 22nd day of December 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2107.01
Valid to December 31, 2027

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