



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CLARK DYNAMIC TESTING LABORATORY, INC.  
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MECHANICAL/ENVIRONMENTAL

Valid To: October 31, 2020

Certificate Number: 1337.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform seismic, vibration, thermal aging, EMC/EMI and shock testing on equipment for military, aerospace, HVAC, electrical transmission, power generation, nuclear, transportation, rail, automotive & space industries.

Seismic Independent Triaxial shake table, Random Input Motion (RIM)  
Vibration: Sine, Random, shock impulse  
Thermal temperature testing, cyclical aging  
Shock High impact medium weight  
EMC/EMI

**Test Technology:**

**Test Method(s):**

Altitude

MIL-STD-810 (C, D, E, F, G, H) Method 506 700-50,000ft  
MIL-STD-202:105 Per Unit Test  
RTCA/DO-160 (F & G) Section 4

Seismic

IEEE 323, 344, 693;  
AC 156, OSHPD, CBC 2013, IBC 2012;  
GR-63-CORE (NEBS)

Temperature and Humidity

RTCA / DO 160 Section 4;  
RTCA / DO 160 Section 5;  
RTCA / DO 160 Section 6;  
IEEE 323;  
MIL-STD-810 B, C, D, E, F, G, H - (-100°C - 400°C);  
MIL-STD-810B, C, D, E, F, G, H - 507 (10% - 95% RH);  
MIL-STD-202:103 Per Unit Test;  
MIL-STD-202:106 Per Unit Test;  
MIL-STD-202:107 (-70°C - 175°C);  
MIL-STD-202:108 Per Unit Test;  
GR-63 CORE (-100°C - 400°C);  
IEC 60068-2-1 (-100°C - 400°C);  
IEC 60068-2-3 (-100°C - 400°C);  
IEC 61131-1 (-70°C - 175°C);  
MIL-STD-833G/H (-70°C - 175°C);  
MIL-STD-833G/H (-100°C - 400°C)

**Test Technology:**

**Test Method(s):**

Mechanical Shock

RTCA / DO 160 Section 7;  
MIL-STD-810B - H – 516 Per Unit Test;  
MIL-STD-202:207 Per Unit Test;  
MIL-STD-202:213 Per Unit Test

Vibration

RTCA / DO 160E Section 8;  
RTCA / DO 160F Section 8;  
RTCA / DO 160G Section 8;  
MIL-STD-202:201 Per Unit Test;  
MIL-STD-202:204 (5 Hz – 2 000 Hz);  
MIL-STD-202:214 (5 Hz – 2 000 Hz);  
MIL-STD-810B 514 (5 Hz – 2 000 Hz);  
MIL-STD-810C 514 (5 Hz – 2 000 Hz);  
MIL-STD-810D 514 (5 Hz – 2 000 Hz);  
MIL-STD-810E 514 (5 Hz – 2 000 Hz);  
MIL-STD-810F 514 (5 Hz – 2 000 Hz);  
MIL-STD-810G 514 (5 Hz – 2 000 Hz);  
MIL-STD-810H 514 (5 Hz – 2 000 Hz);  
MIL-STD-167-1/1A Per Unit Test;  
GR-63 CORE (5 Hz – 2 000 Hz);  
IEC 61373-99/2010 (5 Hz – 2 000 Hz);  
ASTM D4169, D4718; EN 61373;  
ISO 2631-1 (5 Hz – 2 000 Hz);  
AREMA C&S Part 11.5.1 (5 Hz – 2 000 Hz)

High Impact Shock

MIL-S-901D/E Medium Weight Shock;  
MIL-DTL-901;  
MIL-STD-202G, Method 207B Per Test Unit

Salt Spray/Fog

RTCA / DO 160 Section 14;  
MIL-STD-810B - H – 509 Per Unit test;  
ISO 9227;  
IEC 60068-2-11;  
ASTM B117;  
MIL-STD-202:101 Per Unit Test





## Accredited Laboratory

A2LA has accredited

### CLARK DYNAMIC TESTING LABORATORY, INC.

*Jefferson Hills, PA*

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 11<sup>th</sup> day of June 2020.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 1337.03  
Valid to October 31, 2020

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