



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INTERTEK TESTING SERVICES NA INC.  
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Cortland, NY 13045  
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MECHANICAL

Valid To: March 31, 2025

Certificate Number: 1249.02

In recognition of the successful completion of the A2LA evaluation accreditation is granted to this laboratory at the location above, as well as the one satellite laboratory location listed below to perform the following tests:

**Test Technology/Test Parameters<sup>1</sup>:**

**Test Method(s):**

Abrasion

49 CFR 571.108;  
Vehicle Traffic Control Signal Heads section 6.4.5.2;  
ATPD-2352, Section 4.3.6.1, 4.3.6.2

Altitude  
(Ambient to 57,000 ft), (-40 to 100) °C

MIL-STD-810, Method 500

Bond Test

FAA AC 150/5345, -26

Chemical Resistance

FAA AC 150/5345, -42; 49 CFR 571.108;  
ATPD-2352T, Section 4.3.7

Circular Rotation Vibration,  
1.0 diameter orbital path at 5Hz (300rpm)

MIL-STD-810

Compressive Load  
Up to 100,000 lbs

FAA AC 150/5345, -42, -46; EASA Regulation (EU)  
No 139; CASA Part 139 (Aerodromes) Manual of  
Standards; IEC 61827; CAA CAP 437; FAA EB83

De-Icing

ATPD-2352

Deflection

49 CFR 571.108

Dimensional

IEC 61827

Dust

SAE J1383; 49 CFR 571.108

Electrodynamic Vibration  
(8,000 force-lbs sinusoidal and random;  
Maximum 70g's, sinusoidal and random;  
Maximum 150g's, 6ms shock  
2 in Stroke) (3 to 2,000) Hz

SAE J575 (June 1992)<sup>3</sup>, J575 (June 2007)<sup>3</sup>;  
FAA 150-5345-46; ANSI C136.31; IEC 61827;  
IEC 60068-2-6 Vibration (Sinusoidal);  
IEC 60068-2-64 Vibration (Random); IEC 60068-2-  
27 Mechanical (Shock); MIL-STD-810, Method 514,  
Category 4, 7, 8, 9,10 11, 12, 13, 14, 15, 16, 17, 18,  
19, 20, 21, 22, 24

**Test Technology/Test Parameters<sup>1</sup>:**

Freeze / Thaw  
Haze  
High/Low Temperature  
with/without Cycling  
(-73 to 177) °C,  
with/without Humidity (10 to 95) %RH

Hydraulic Impact  
Icing / Freezing Rain  
Immersion  
Measurement and Evaluation of Human Exposure  
to Hand Transmitted Vibration

Mechanical Deterioration

Mechanical Shear

Mechanical Vibration

Optical Deviation

Optical Distortion

Protective Coating

Rock Strike Resistance

Salt Spray

Scratch Resistance

Seal/ Leakage/Immersion

Shock

Surface Temperature

Thermal Shock

Torque

Warpage

**Test Method(s):**

MIL-STD-810, Method 524

ATPD-2352, Section 4.4.2

FAA AC 150/5345, -46, -43, -5, -10, -12, -28, -39,  
-44, -50, -51, -52, -54, -55; FAA EB 67B;  
49 CFR 571.108; CMVSS 108; FMVSS 108;  
SAE J1383; IEC 61827; IEC 61822; MIL-STD-810,  
Method 501, Procedure I, II;  
MIL-STD-810, Method 502, Procedure I, II, III;  
ATPD-2352, Section 4.3.1;  
IEC 61827; IEC 61822

FAA AC 150/5345, -46; IEC 61827

MIL-STD-810, Method 521

MIL-STD-810, Method 512

ISO 5349-1 (May 2001)

ECE R112, R149

FAA AC 150/5345-46; IEC 61827; FAA EB83

49 CFR 571.108; CMVSS 108; SAE J575e

ATPD-2352

ATPD-2352, Section 4.4.4

FAA AC 150/5345-42

ATPD-2352

ASTM B117; MIL-STD-810E/F/G, Method 509.4;  
IEC 61827

ATPD-2352

49 CFR 571.108; CMVSS 108;  
FAA AC 150/5345, -46, -42; IEC 61827; IEC 61823;  
FAA AC 150/5345-26

FAA AC 150/5345, -46, -47; IEC 61827; IEC 61823;  
CSA C22.2 No. 180

FAA AC 150/5345, -46, IEC-61827

FAA AC 150/5345, -26, -46, -51; MIL-STD-  
810E/F/G/H, Method 503.7, Procedure I-A, I-B, I-C,  
I-D; ATPD-2352T, Section 4.3.4; IEC 61827

49 CFR 571.108; CMVSS 108; FAA AC 150/5345,  
-42, -46; FAA EB83

SAE J575e, SAE J575 (June 2007)<sup>3</sup>



**Test Technology/Test Parameters<sup>1</sup>:**

Water Spray

Wind Blown Rain

Weathering (Xenon ARC)

Yield Device

**Test Method(s):**

49 CFR 571.108; IEC 61827

MIL-STD-810, Method 506  
(*Procedure 1 only*)

MIL-STD-810, Method 505; ASTM G155;  
IEC 61827; ATPD-2352T, Section 4.3.5

FAA AC 150/5345, -27, -28, -39, -44, -46, -51;  
IEC 61827, ICAO Design Manual Part 6, TP-312

**Personal Protective Equipment (PPE)**

Standard Performance Specification for Newly  
Manufactured Baseball/ Softball Helmets

NOCSAE DOC ND022

Standard Performance Specification for Newly  
Manufactured Baseball/ Softball Catcher's  
Helmets with Faceguard

NOCSAE DOC ND024

Standard Performance Specification for Newly  
Manufactured Baseball/Softball Batters Helmet  
Mounted Faceguards

NOCSAE DOC ND072

Standard Performance Specification for Newly  
Manufactured Football Helmets

NOCSAE DOC ND002

Standard Test Method and Performance  
Specification for Newly Manufactured Soccer  
Shin Guards

NOCSAE DOC ND090

Standard Performance Specification for Newly  
Manufactured Youth Baseballs

NOCSAE DOC ND027

Standard Performance Specification for Newly  
Manufactured Baseball/ Softball Fielder's  
Headgear

NOCSAE DOC ND029

Standard Performance Specification for  
Newly Manufactured Lacrosse Helmets with  
Faceguards

NOCSAE DOC ND041

Standard Performance Specification for Newly  
Manufactured Lacrosse Face Protectors

NOCSAE DOC ND045

Standard Performance Specification for Newly  
Manufactured Field Hockey Headgear

NOCSAE DOC ND061

Standard Performance Specification for Newly  
Manufactured Field Hockey Balls

NOCSAE DOC ND069

Standard Performance Specification for Newly  
Manufactured Polo Helmets

NOCSAE DOC ND050

Standard Test Method and Performance  
Specification for Newly Manufactured Football  
Players Hand Coverings

NOCSAE DOC ND019



<b><u>Test Technology/Test Parameters<sup>1</sup>:</u></b>	<b><u>Test Method(s):</u></b>
Standard Performance Specification for Newly Manufactured Hockey Helmets	NOCSAE DOC ND030
Standard Performance Specification for Newly Manufactured Hockey Face Protectors	NOCSAE DOC ND035
Standard Performance Specifications for Newly Manufactured Lacrosse Balls	NOCSAE DOC ND049
Standard Method of Impact Test and Performance Requirements for Football Faceguards	NOCSAE DOC ND087
Standard Performance Specification for Helmet Mounted Polo Eye Protection	NOCSAE DOC ND055
Standard Drop Test Method & Equipment Used in Evaluating Performance Characteristics of Protective Headgear	NOCSAE DOC ND001
Standard Test Method and Specification Used in Evaluating the Corrosion Characteristics and Effects on Metallic Hardware Disassembly	NOCSAE DOC ND015
Standard Performance Specification for Newly Manufactured Youth Football Helmets	NOCSAE DOC ND006
Standard Projectile Impact Testing Method Used for Evaluating Performance of Protective Headgear, Faceguards, Projectiles	NOCSAE DOC ND021
Standard Performance Specification for Newly Manufactured Low Compression Lacrosse Balls	NOCSAE DOC ND048
American National Standard for Industrial Head Protection	ANSI Z89.1
Standard Specification for Body Protectors Used in Horse Sports and Horseback Riding	ASTM F1937
Occupational and Educational Personal Eye and Face Protection Devices	ANSI/ASSE Z87.1 (ISEA Z87.1)
Standard Performance Specification for Ice Hockey Helmets	ASTM F1045
Protective Headgear Used in Horse Sports and Horseback Riding	ASTM F1163
Recreational Alpine Skiing and Snowboarding Helmets	CSA Z263.1
Standard Specification for Protective Headgear with Faceguard used in Bull Riding	ASTM F2530
Standard Specification for Helmets used in Recreational Snow Sports	ASTM F2040

<b><u>Test Technology/Test Parameters<sup>1</sup>:</u></b>	<b><u>Test Method(s):</u></b>
Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Headgear	ASTM F1446
Standard Specification for Helmets Used in Recreational Bicycling or Roller Skating	ASTM F1447
Standard Specification for Protective Headgear Used in Skateboarding and Freestyle Roller Skating	ASTM F1492
Standard Specification for Head and Face Protective Equipment for Ice Hockey Goaltenders	ASTM F1587
Safety Specifications for Eye and Face Protective Equipment for Hockey Players	ASTM F513
Safety Standard for Bicycle Helmets Final Rule	CPSC 16 CFR Part 1203
Industrial Protective Headwear	CSA Z94.1
Industrial Eye and Face Protectors	CSA Z94.3
Police Riot Head Protection (Helmets, Face Shields)	NIJ 0104.2
Standard on Thermal Imagers for the Fire Service	NFPA 1801
Standard on Two-Way, Portable RF Voice Communications Devices for Use by Emergency Services Personnel in the Hazard Zone	NFPA 1802
Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing	ASTM F1790
Glove Hand Protection	ANSI 105
Single-Use Face Masks for Use in Health Care	AS 4381
Standard Specification for Performance of Materials Used in Medical Face Masks	ASTM F2100
Standard Test Method for Evaluating the Bacterial Filtration Efficiency (BFE) of Medical Face Mask Materials, Using a Biological Aerosol of Staphylococcus aureus	ASTM F2101
Standard Test Method for Resistance of Medical Face Masks to Penetration by Synthetic Blood (Horizontal Projection of Fixed Volume at a Known Velocity)	ASTM F1862
Standard for the Flammability of Textiles	16 CFR Part 1610
Respiratory Protective Devices	42 CFR Part 84



<b><u>Test Technology/Test Parameters<sup>1</sup>:</u></b>	<b><u>Test Method(s):</u></b>
Determination of Exhalation Resistance	TEB-STP-0003
Determination of Exhalation Valve Leakage	TEB-STP-0004
Determination of Qualitative Isoamyl Acetate Facepiece Fit	TEB-STP-0005
Determination of Inhalation Resistance	TEB-STP-0007
Filter Efficiency Determination P100	TEB-STP-0051
Filter Efficiency Determination R95	TEB-STP-0056
Filter Efficiency Determination N100	TEB-STP-0057
Filter Efficiency Determination N99	TEB-STP-0058
Filter Efficiency Determination N95	TEB-STP-0059
Mask, Surgical, Disposable	MIL 36954C
Medical face masks - Requirements and Test Methods	EN 14683
Standard Specification for Barrier Face Coverings	ASTM F3502-21
Liquid Barrier Performance and Classification of Protective Apparel and Drapes Intended for Use in Health Care Facilities	PB 70
Water Resistance: Hydrostatic Pressure Test	AATCC 127
Test Method for Water Resistance: Impact Penetration	AATCC 42
Respiratory Protective Escape Device	ASTM E2952
Protective (Safety) Toe Cap Footwear	ASTM F2413
Equestrian Racing Body Protectors	ASTM F2681
Soft Toe Protective Footwear (Non-Safety / Non-Protective Toe)	ASTM F2892; CSA Z195
Surface Water Operations Protective Clothing & Equipment	NFPA 1952
Protective Ensembles for Contaminated Water Diving	NFPA 1953
Standard on Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services	NFPA 1981
Standard on Personal Alert Safety Systems (PASS)	NFPA 1982
Respirators for Wildland Fire-Fighting and Wildland Urban Interface Operations	NFPA 1984

<b><u>Test Technology/Test Parameters<sup>1</sup>:</u></b>	<b><u>Test Method(s):</u></b>
Respiratory Protection Equipment for Tactical and Technical Operations	NFPA 1986
Combination Unit Respirators for Tactical and Technical Operations	NFPA 1987
Protective Ensembles for Hazardous Materials and CBRN Operations	NFPA 1990 (1991/1992/1994)
Glove Impact Protection	ANSI 138
<b><u>Restraints Testing</u></b>	NIJ 1001.00
<b><u>Fall Protection Devices</u></b>	
Full Body Harnesses	ANSI Z359.11
Single Anchor Lifelines / Fall Arresters	ANSI Z359.15
Anchorage Connectors for Active Fall Protection Systems	ANSI Z359.18
Descent Controllers	ANSI Z359.9
Travel Restraint Systems	ANSI Z359.3
Safety Requirements for Personal Fall Arrest Systems, Subsequent and Components	ANSI/ASSE Z359.1
Connecting Components for Personal Fall Arrest Systems	ANSI/ASSE Z359.12
Personal Energy Absorbers and Energy Absorbing Lanyards	ANSI/ASSE Z359.13
Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and Rescue Systems	ANSI/ASSE Z359.14
Safety Requirements for Climbing Ladder Fall Arrest Systems (CLFAS)	ANSI/ASSE Z359.16
Personal Equipment for Protection Against Falls - Descent Controllers	ANSI/ASSE Z359.9
Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components	ANSI/ASSE Z359.4
Full Body Harnesses	CSA Z259.10
Energy Absorbers and Lanyards	CSA Z259.11
Connecting Components for Personal Fall Arrest Systems (PFAS)	CSA Z259.12
Anchorage Connectors	CSA Z259.15
Fall Arresters, Vertical Lifelines, and Rails	CSA Z259.2.1

**Test Technology/Test Parameters<sup>1</sup>:**

**Test Method(s):**

Self-Retracting Devices for Personal Fall-Arrest Systems

CSA Z259.2.2

Fire Service Life Safety Rope and System Components

NFPA 1983; NFPA 2500

Vertical Lifelines / Fall Arresters

CSA Z259.2.5

Harnesses for Rescue and Sport Activities

ASTM F1772

**Fall Protection Devices<sup>2</sup>**

Life Safety Rope and Equipment for Emergency Services

NFPA 1983

Standard Specification for Tree Stands, Climbing Sticks, and Tripod or Tower Stands

ASTM F3249

Treestand Static Stability and Adherence

ASTM F2125

Treestand Static Load Capacity

ASTM F2126

Treestand Repetitive Loading Capability

ASTM F2128

Treestand Fall Arrest System

ASTM F2337

Load Capacity of Treestand Seats

ASTM F2531

Standard Test Method for Static Loading of Treestands, Climbing Sticks and Tripod or Tower Stands

ASTM F3545

Hunting Saddle Static Load Capacity

ASTM F3544

Emergency Eyewash and Shower Equipment

ANSI Z358.1 (ISEA Z358.1)

**Protective Clothing**

Standard Test Methods for Measuring Cut Resistance of Materials Used in Protective Clothing.

ASTM F1790

Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing with Tomodynamometer (TDM-100) Test Equipment

ASTM F2992/F2992M-15

Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)

ASTM D5034

Standard Test Method for failure in Sewn Seams of Woven Fabrics

ASTM D1683

Standard Specification for Surgical Gowns Intended for Use in Healthcare Facilities

ASTM F2407

Standard Test Method for Tearing Strength of Fabrics by Trapezoidal Method

ASTM D5587



**Test Technology/Test Parameters<sup>1</sup>:**

**Test Method(s):**

Standard Test Method for Tearing Strength of Non-Woven Fabrics by Trapezoidal Method	ASTM D5733
Standard Test Method for Burst Strength	ASTM D751
Standard Specification for Isolation Gowns Intended for Use in Healthcare Facilities	ASTM F3352
Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting Only for: Section 11	NFPA 1851
Standard on Protective Ensemble for USAR Operations	NFPA 1951
Protective Ensemble for Structural Fire Fighting (Footwear, Gloves, Clothing, Helmets)	NFPA 1971
Standard on Emergency Services Work Apparel	NFPA 1975
Standard on Protective Clothing and Equipment for Wildland Fire Fighting and Urban Interface Fire Fighting	NFPA 1977
Standard on Protective Clothing and Ensembles for Emergency Medical Operations	NFPA 1999
Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire	NFPA 2112
Bomb Suits	NIJ 0117.01 (except section 5.9.1.1)
Standard on Selection, Care, and Maintenance of Protective Ensembles for Technical Rescue Incidents	NFPA 1855
Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	NFPA 1851
Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood	ASTM F1670
Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System	ASTM F1671
Standard Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact	ASTM F739



**Test Technology/Test Parameters<sup>1</sup>:**

**Test Method(s):**

Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Liquids      ASTM F903

Clothing for protection against contact with blood and body fluids — Determination of the Resistance of Protective Clothing Materials to Penetration by Blood and Body Fluids — Test Method Using Synthetic Blood      ISO 16603

Clothing for Protection Against Contact with Blood and Body Fluids — Determination of Resistance of Protective Clothing Materials to Penetration by Blood-Borne Pathogens — Test Method Using Phi-X 174 Bacteriophage      ISO 16604

**Chemical Testing**

Performance Specification: General Specification: Cables, Fiber Optic      MIL-PRF-85045G, Supplement 1, 17 June 2014, Sections 3.8.1 and 4.8.1 (acid gas) and 3.8.2 and 4.8.2 (halogen content)

Detail Specification: Cables, Electric, Low Smoke Halogen-Free, For Shipboard Use, General Specification For      MIL-DTL-24643C with Int. Amendment 1, 11 July 2011, Sections 4.8.23 (acid gas) and 4.8.24 (halogen content)

Detail Specification: Cables, Lightweight, Low Smoke, Electric, For Shipboard Use      MIL-DTL-24640C, Supplement 1, 8 November 2011, Sections 4.7.15 (acid gas) and 4.7.16 (halogen content)

INTERTEK TESTING SERVICES NA INC.  
75 Clinton Ave.  
Cortland, NY 13045

Blowing Dust      MIL-STD-810, Method 510, Procedure I

Safety Glazing      CAN/CGSB-12.1

**Fall Protection Devices**

Anchorage Connectors for Active Fall Protection Systems      ANSI Z359.18

Harnesses for Rescue and Sport Activities      ASTM F1772

Life Safety Rope and Equipment for Emergency Services      NFPA 1983



<sup>1</sup> Also using customer specific test specifications utilizing any combination of test equipment parameters listed above.

<sup>2</sup> The laboratory is accredited for these test methods. The accredited test methods are used in determining compliance with the practices listed below. The inclusion of these practices on this Scope does not confer laboratory accreditation to the practices.

Practice for Treestand Instructions	ASTM F2123
Practice for Treestand Manufacturer Quality Assurance Program	ASTM F2275

<sup>3</sup> NOTE: 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

## INTERTEK TESTING SERVICES NA INC.

Cortland, NY

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 31<sup>st</sup> day of July 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 1249.02  
Valid to March 31, 2025

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