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How We Meet Our Customers' Needs

United States Army

Redstone Technical Test Center (RTTC)









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What We Do

Climatic

These services address the conduct of comprehensive climatic environmental test activities for weapon systems, subsystems, and components.

Primary Services and Capabilities

- MIL-STD-810 (C, D, E, & F) Testing
 - Temperature/Altitude
 - Rapid Decompression
 - Low/High Temperature
 - Temperature Shock
 - Humidity
 - Salt Fog
 - Blowing Rain
 - Freezing Rain/Ice
 - Submersion/Leak
 - Dust
 - Blowing Sand
 - Solar Radiation
 - Environmental Stress Screening (ESS)
 - Climatic Specification Development
 - Thermal Model Development

Overview

Primary Services
& Capabilities

Test Management
Services

Supplemental
Services



Blowing rain test of ASET IV vehicle



Submersion test of Javelin missile



Javelin icing test

Supplementary Services

- In-house data collection, reduction, and analysis

- World-wide historic climate data
- World-wide storage environments database (high, low, and mean temperature; humidity; solar; etc.)

Specialized Facilities and Equipment

- A 27,000-square-foot facility specially designed for the conduct of comprehensive climatic environmental test activities
- Five additional environmental chambers in Building 4500, Redstone Arsenal
- Climatic/Functional Tactical Test Facility with live munition capabilities



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