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Who We Are
What We Do
Resources
How We Work
Where We Are Going
How We Meet Our Customers' Needs

United States Army

Redstone Technical Test Center (RTTC)









How We Work

Three Primary Business Areas

Aviation Focused Capabilities



Temperature test of foreign helicopter



TFM-138 Radio-- UH-60 Qualification Test



EMC-noise floor analysis of UH-60

The Redstone Technical Test Center (RTTC) provides services for the test and evaluation of Aviation components & subsystems. Test capabilities include safety, performance, and reliability of these components and subsystems, relative to their integration in the Army aircraft. The specific focus of our capabilities, to support aviation, includes the following:

- Safety, performance, and reliability of aircraft components, subsystems, and mission equipment. Includes exposure to wide range of natural and induced climatic and dynamic environments
- Electromagnetic Environmental Effects (E3) to include Electromagnetic Interference (EMI), Electromagnetic Compatibility (EMC), Electromagnetic Vulnerability (EMV), Hazards of Electromagnetic Radiation to Ordnance (HERO), and Lightning Effects (LE)
- Aircraft weapon systems to include small missile and rocket performance, target acquisition and designation systems, and fire control systems

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Three Primary Business Areas

Organization Chart

Work Values

How We Work for Our Customers

- Turbine engine propulsion subsystem performance
- Aviation mechanical flight safety parts, non-destructive evaluation
- Applications of Modeling & Simulation (M&S) tools integrated with testing of aviation components and subsystems
- Test design, management, and engineering expertise



TOW firing from
Cobra helicopter
at Test Area 1



EMC/Spectrum
Analysis Test of
Black Hawk



Wire frame target
model for Virtual
Proving Ground

To contact the RTTC "Aviation" Test Management Division Team Leader, [please click here](#). An e-mail form will appear that will permit you to view and select the Aviation service or services that you would like to discuss and/or receive additional information about. On this same screen you will also be able to list questions, provide comments, request technical materials, ask for a telephone contact from a specific functional manager, etc.

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