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United States Army

Redstone Technical Test Center (RTTC)





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What We Do

Stockpile Reliability and Surveillance Testing

RTTC performs testing of missile components (such as seekers, guidance and control sections, control actuator sections, warheads, propulsion sections, thermal batteries, gyros, flash lamps, etc.) and full-up rounds. Data from these tests are used to determine missile shelf life. The Center designs, builds, and maintains precision test sets to enable repeatable tests and measurements over the extended shelf life of Army missile systems. Data from these tests are used to perform analysis of aging effects.

Stockpile Reliability capabilities include the following:

- Precision test set design and fabrication
- Incoming inspection
- Incoming nondestructive tests (NDTs) including X-ray
- Disassembly of inert and explosive items
- Component and subsystem test measurements
- Flight performance testing on small rockets and missiles

Surveillance capabilities include:

- Design, fabrication, and operation of a fleet of vans deployed to Army stockpiles worldwide for the purpose of in-theater (in the field) measurement of key performance parameters

Overview

Primary Services
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Stockpile



Hellfire



Surveillance tent

reliability testing surveillance test and vans
of a missile van
control section

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A horizontal footer bar with a light gray background and a blue gradient. On the left is a blue button with white text: "Please read this Privacy & Security Notice". In the center is a white box with blue italicized text: "Last updated January 2, 2002". On the right is a blue button with white text: "Please send questions or comments about this page to webmaster@rttc.army.mil". Above the right button is another blue button with white text: "Back to Top".