Secure Mobile Anti-Jam Reliable Tactical–Terminal (SMART-T)

**MISSION**
Provides range extension to the Army’s current and future tactical communications networks.

**DESCRIPTION**
The Secure Mobile Anti-Jam Reliable Tactical–Terminal (SMART-T) is a mobile military satellite communication terminal mounted on a standard High Mobility Multipurpose Wheeled Vehicle. The SMART-T extends the range of current and future tactical communications networks through DoD Milstar communication satellites. With the SMART-T’s higher power transmitter, it now provides data rates up to 8.192 million bits per second (Mbps). It provides the Army with its only protected (anti-jam and anti-scintillation) wideband satellite communication capability with new AEHF Transmission Security (TRANSEC) algorithms. A production contract was awarded to upgrade SMART-T to support the Advanced Extremely High Frequency (AEHF) waveform. The AEHF satellite system will dramatically increase the Army’s end-to-end communications throughput capability. The AEHF upgrade to the SMART-T will include up-armoring in compliance with recent changes in Army policy for the deployment of personnel carriers.

SMART-T processes data and voice communications at both low and medium data rates. The terminal provides worldwide, anti-jam, low probability of intercept, secure voice, and data capabilities for the Joint warfighter. Its enhanced system interfaces include base-band interface changes, accommodating additional data rates. SMART-T will be fielded at the brigade and division levels.

**SYSTEM INTERDEPENDENCIES**
**Other Major Interdependencies**
The SMART-T communicates with Milstar military communication satellites, and is being upgraded to communicate with AEHF communication satellites.

**PROGRAM STATUS**
- **2QFY07–4QFY10**: Deployed up to 47 SMART-Ts in Southwest Asia; received positive feedback
- **3QFY08**: Completed fielding of 239 EHF SMART-Ts
- **2QFY09**: Completed Army buyout of AEHF SMART-T Upgrade Kits
- **3QFY10**: Awarded contract to procure 39 complete AEHF SMART-Ts

**PROJECTED ACTIVITIES**
- **1QFY11**: Obtain conditional materiel release for AEHF SMART-T modification work order
- **2QFY11**: Initiate AEHF SMART-T fieldings to operational Army units
- **3QFY12**: SMART-T will participate in Air Force AEHF multi-service operational test and evaluation
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FOREIGN MILITARY SALES
None

CONTRACTORS
Production and Spares:
Raytheon (Largo, FL)

Engineering Support, Management:
Raytheon (Marlborough, MA)

Circuit Cards:
Teledyne (Lewisburg, TN)

Filters:
Transtector (Hayden, ID)

Amplifier Assemblies:
Spectrum Microwave (Marlborough, MA)

COMSEC:
L-3 Communications (Camden, NJ)

New Equipment Training/Fielding:
EPS Corp. (Martinez, GA)

Satellite Simulator:
Lincoln Labs (Lexington, MA)

Technical/Fielding Support:
Linquest Corp. (Colorado Springs, CO)

Admin/Tech:
JANUS Research (Eatontown, NJ)

Technical:
Booz Allen Hamilton (Eatontown, NJ)