

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

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To achieve end-to-end Beyond-Line-of-Sight (BLOS) connectivity that meets joint requirements for command, control, communications, computers, and intelligence protective requirements.

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 (HMMWV). The SMART–T extends the range of current and future tactical communications networks through DoD Milstar communication satellites. The SMART–T's maximum rate for data and voice communications is 1.544 million bits per second (Mbps). It provides the Army with its only protected (anti-jam and low probability of intercept) wideband satellite communication capability. Production is under way to upgrade terminals to communicate with DoD Advanced Extremely High Frequency (AEHF) satellites at a maximum data rate

of 8.192 Mbps. 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-armorings in compliance with recent changes in Army policy for the deployment of personnel carriers.

SYSTEM INTERDEPENDENCIES

The SMART–T communicates with Milstar military communication satellites, and is being upgraded to communicate with AEHF communication satellites.

PROGRAM STATUS

- **2QFY07–2QFY09:** Fielded 62 SMART–T medium data rate terminals to Army units
- **2QFY07–2QFY09:** Deployed up to 39 SMART–Ts in Southwest Asia; received positive feedback
- **4QFY08:** Awarded up-armor contract change for AEHF upgrade kits production
- **1QFY09:** Initial delivery of the AEHF upgrade kit production for EHF SMART–Ts

PROJECTED ACTIVITIES

- **4QFY09:** Complete fielding of 239 SMART–Ts, including 61 to Army National Guard and Army Reserve Units
- **2QFY10:** Begin installation of AEHF upgrade kits to all EHF SMART–Ts
- **2QFY10:** Award contract to procure 39 AEHF SMART–Ts
- **3QFY10:** Begin fielding AEHF SMART–Ts to operational Army units

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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

FOREIGN MILITARY SALES

None

CONTRACTORS

AEHF Production:

Raytheon (Largo, FL)

Engineering support:

Lincoln Labs (Lexington, MA)

Hardware:

Teledyne (Lewisburg, TN)

Martin Diesel (Defiance, OH)

Administrative/technical support:

JANUS Research (Eatontown, NJ)

Booz Allen Hamilton (Eatontown, NJ)

