

Test Equipment Modernization (TEMOD)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To improve readiness of Army weapon systems and minimize general purpose electronic test equipment proliferation and obsolescence, thereby reducing operations and support costs.

DESCRIPTION

The Test Equipment Modernization (TEMOD) program procures general purpose electronic test equipment that is essential to the continuing support of weapon systems required by Current/Future Forces. Acquisitions are commercial items that have significant impact on readiness, power projection, safety, and training operations of the United States Army, Army Reserve, and National Guard. The TEMOD program has procured 38 products replacing over 334 models. Projects are prioritized as a result of

an annual working group composed of the materiel developer, the combat developer, and the user community.

Radar Test Set Identification Friend or Foe Mode 5 Upgrade Kit and Radar Test Set with Mode 5 (TS-4530A/UPM) This option is used to perform pre-flight checks of aviation and missile transponders and interrogators to alleviate potential fratricide concerns. It is also required to ensure Army aircraft are in compliance with European and Federal Aviation Administration mandates. Mode 5 encryption is required as a result of the National Security Administration's decertification of Mode 4 encryption.

Signal Generators, low frequency (SG-1364/U) and high frequency (SG-1366/U) These are signal sources to test electronic receivers and transmitters of all types throughout the Army and provide standards to compare signals. They generate a known signal into radios to test receiver sensitivity and ensure that battlefield commanders can communicate in adverse conditions.

The signal generators will be integrated into aviation facilities, systems particular to ground support missiles, and special weapons facilities.

Telecommunication System Test Set (TS-4544/U) This test set analyzes signal quality between communication systems to ensure accurate data exchange. It measures and displays various bit-data information as related to digital transmission.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

Low Frequency Signal Generator

- **3QFY08:** Contract awarded
- **1QFY09:** Low-rate initial production (LRIP)

Radar Test Set with Friend or Foe Mode 5

- **3QFY08:** Issued request for proposals
- **2QFY09:** Contract awarded

PROJECTED ACTIVITIES

Low Frequency Signal Generator

- **2QFY09:** Product verification testing (PVT)
- **1QFY10:** Full-rate production (FRP)

Radar Test Set with Friend or Foe Mode 5

- **2QFY10:** LRIP
- **2QFY10:** PVT
- **4QFY10:** FRP

High Frequency Signal Generator

- **2QFY09:** Issue Letter Request for Bid Samples
- **2QFY10:** Contract Award
- **3QFY10:** LRIP and PVT
- **4QFY11:** FRP

Telecommunication System Test Set

- **4QFY09:** Issue Letter Request for Bid Samples
- **3QFY10:** Contract award
- **1QFY11:** LRIP

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support



TS-4530 Operation



TS-4530
Radar Test Set



SG-1364U Signal Generator Operation



SG-1364U
Signal Generator



Test Equipment Modernization (TEMOD)

FOREIGN MILITARY SALES

Radar Test Set with Friend or Foe Mode 5:

United Kingdom, Greece, Singapore, Kuwait, Hungary, Azerbaijan, Portugal, Netherlands, Norway, Saudi Arabia

CONTRACTORS

Low Frequency Signal Generator:

Rohde & Schwarz (Columbia, MD)

High Frequency Signal Generator:

To be determined

Telecommunication System Test Set:

To be determined

Radar Test Set with Friend or Foe Mode 5:

To be determined

