

Test Equipment Modernization (TEMOD)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Improves readiness of Army weapon systems; minimizes test, measurement, and diagnostic equipment proliferation and obsolescence; and reduces operations/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.

Radar Test Set Identification Friend or Foe Upgrade Kit and Radar Test Set with Mode S enhanced and Mode 5 cryptography (TS-4530A/UPM) is used to perform pre-flight checks on aviation and missile transponders and interrogators to alleviate potential fratricide concerns. It is also required to ensure all Army platforms are in compliance with European and Federal Aviation Administration airspace mandates.

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

Telecommunication System Test Set (TS-4544/U) measures and displays various bit-data information as related to digital transmission.

Multimeter (AN/GSM-437) enables quick, reliable troubleshooting which positively affects operational availability.

Radio Test Set (AN/PRM-36) will be used to quickly and effectively diagnose the SINCGARS, ARC-186, ARC-201, GRC-245, PRC-148, PRC-150, and PSC-5 Radios at the Field maintenance level.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

Low Frequency Signal Generator:

- **3QFY09:** Product verification testing (PVT)
- **2QFY09:** Issued letter request for bid samples
- **4QFY10:** Full-rate production (FRP)

High Frequency Signal Generator:

- **4QFY10:** Contract awarded

Telecommunication System Test Set:

- **3QFY10:** Issued letter request for bid samples

Multimeter:

- **4QFY10:** Issued letter request for bid samples

Radio Test Set:

- **3QFY10:** Issued letter request for bid samples

PROJECTED ACTIVITIES

IFF Radar Test Set Mode S (Enhanced) Mode 5:

- **1QFY11:** Low-rate initial production (LRIP)
- **2QFY11:** PVT
- **3QFY11:** FRP

High Frequency Signal Generator:

- **1QFY11:** LRIP
- **2QFY11:** PVT
- **1QFY12:** FRP

Telecommunication System Test Set:

- **4QFY11:** Contract award
- **1QFY12:** LRIP
- **3QFY12:** PVT
- **2QFY13:** FRP

Multimeter:

- **2QFY11:** Contract award
- **3QFY11:** LRIP
- **1QFY12:** PVT
- **1QFY12:** FRP

Radio Test Set:

- **2QFY11:** Contract award
- **3QFY11:** LRIP
- **4QFY11:** PVT
- **3QFY12:** FRP

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support



Radar Test Set TS-4530A/UPM



Signal Generator SG-1366/U



Telecommunication System Test



Multimeter AN/GSM-437



Radio Test Set AN/PRM-36



Signal Generator SG-1364/U



Test Equipment Modernization (TEMOD)

FOREIGN MILITARY SALES

IFF Radar Test Set Mode S (Enhanced) Mode 5:

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

CONTRACTORS

IFF Radar Test Set Mode S (Enhanced) Mode 5:

Tel-Instrument Electronics Corp.
(Carlstadt, NJ)

Low Frequency Signal Generator:

Rohde & Schwarz (Columbia, MD)

High Frequency Signal Generator:

To be determined

Telecommunication System Test Set:

To be determined

Multimeter:

To be determined

Radio Test Set:

To be determined

