

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 replaces obsolete General Purpose Electronic Test Equipment (GPETE) with new state-of-the-art equipment. This new equipment reduces proliferation of test equipment, modernizes the Army's current existing inventory, and is essential to the continued support of systems and weapon systems. 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.

High Frequency Signal Generator (SG- 1366/U) is a signal source 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.

Radar Test Set Identification Friend or Foe (IFF) 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.

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.

Ammeter (ME-572/U) measures and displays Alternating Current and Direct Current without interrupting the measured circuit. It is used for testing power generators cables, installation wiring, and high current weapon system interfaces.

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

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

High Frequency Signal Generator:

- 2QFY11: Low-Rate Initial Production (LRIP)
- 3QFY11: Product Verification Testing (PVT)

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

- 4QFY11: PVT

Multimeter:

- 4QFY11: Contract Award

Radio Test Set:

- 4QFY11: Contract Award

Ammeter :

- 4QFY11: Issue Letter Request For Bid Samples (LRFBS)

Telecommunication System Test Set:

- 4QFY11: LRFBS

PROJECTED ACTIVITIES

High Frequency Signal Generator:

- 1QFY12: FRP

IFF Radar Test Set Mode S (Enhanced)

Mode 5:

- 1QFY12: FRP

Multimeter:

- 1QFY12: LRIP
- 3QFY12: PVT
- 1QFY13: FRP

Radio Test Set:

- 1QFY12: LRIP
- 3QFY12: PVT
- 1QFY13: FRP

Ammeter:

- 3QFY12: Contract Award
- 4QFY12: LRIP
- 1QFY13: PVT
- 4QFY13: FRP

Telecommunication System Test Set:

- 4QFY12: Contract Award
- 1QFY13: LRIP
- 3QFY13: PVT
- 1QFY14: FRP

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support



Signal Generator SG-1366/U



Radar Test Set TS-4530A/UPM



Multimeter AN/GSM-437



Radio Test Set AN/PRM-36



Ammeter ME-572/U



Telecommunication System Test Set

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

High Frequency Signal Generator:

Agilent Technologies (Englewood, CO)

IFF Radar Test Set Mode S (Enhanced)

Mode 5:

Tel-Instrument Electronics Corp.
(Carlstadt, NJ)

Multimeter:

To be determined

Radio Test Set:

To be determined

Ammeter:

To be determined

Telecommunication System Test Set:

To be determined

