

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 modernizes the Army’s existing inventory with new equipment, which reduces the proliferation of test equipment 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 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, ensuring 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 various 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:

- **2QFY12:** Full-rate production (FRP)
- **3QFY12:** Engineering Change Proposal

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

- **4QFY12:** Low-rate initial production (LRIP)

Multimeter:

- **1QFY12:** Contract Award

Radio Test Set:

- **1QFY12:** Contract Award
- **1QFY12:** Protest Filed
- **3QFY12:** Protest Resolved
- **4QFY12:** Contract Award

Ammeter:

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

Telecommunication System

Test Set:

- **4QFY12:** Bid Sample Testing
- **4QFY12:** Contract Award

Oscilloscope (bench top):

- **3QFY12:** Market Research Oscilloscope (portable)
- **4QFY12:** Maket Research

PROJECTED ACTIVITIES

Radio Test Set:

- **2QFY13:** LRIP
- **3QFY13:** Product Verification Testing (PVT)
- **4QFY13:** FRP

Ammeter:

- **1QFY13:** Contract Award
- **2QFY13:** LRIP
- **3QFY13:** PVT
- **4QFY13:** FRP

Telecommunication System Test Set:

- **1QFY13:** LRIP
- **3QFY13:** PVT
- **1QFY14:** FRP

Oscilloscope (Bench Top):

- **2QFY13:** Contract Award
- **1QFY14:** PVT
- **4QFY14:** FRP

Oscilloscope (Portable):

- **2QFY15:** Contract Award

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support



TELECOMMUNICATION SYSTEM TEST SET
(PHOTO OF TS-4281/G SHOWN ABOVE
WHICH WILL BE REPLACED BY THE TS-4544/U
ACTUAL PHOTO NOT AVAILABLE)



SIGNAL GENERATOR SG-1366/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

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



RADIO TEST SET AN/PRM-36
(PHOTO OF AN/PRM-34 SHOWN ABOVE
WHICH WILL BE REPLACED BY THE AN/PRM-36
ACTUAL PHOTO NOT AVAILABLE)



RADAR TEST SET TS-4530A/UPM



AMMETER ME-572/U
(PHOTO OF ME-563/U SHOWN ABOVE
WHICH WILL BE REPLACED BY THE ME-572/U
ACTUAL PHOTO NOT AVAILABLE)



MULTIMETER AN/GSM-437

