

Calibration Sets Equipment (CALSETS)

INVESTMENT COMPONENT

- Modernization
- Recapitalization
- Maintenance

MISSION

Provides the capability to test, adjust, synchronize, repair, and verify the accuracy of Army test, measurement, and diagnostic equipment across all measurement parameters. Precision weapons require precision maintenance systems that only the calibration program provides.

DESCRIPTION

Calibration Sets Equipment (CALSETS) consists of calibration instrumentation housed in fixed facilities or contained within tactical shelters with accompanying power generation equipment. CALSETS provides support to maintenance units and area support organizations from brigade to multi-theater sustainment operations and ensures a cascading transfer of precision accuracy originating from the U.S. National Institute of Standards.

CALSETS is designed to plug into Army enterprise and battle networks. CALSETS tactical shelters are 100 percent mobile and transportable by surface mode or aircraft (C-130, C-5, and C-17). CALSETS is designed to calibrate 90 percent of the Army’s test, measurement, and diagnostic equipment workload with an objective of 98 percent. CALSETS is configured in several set configurations.

Secondary Transfer Standards Basic, AN/GSM-286: This set consists of baseline instruments and components capable of supporting precision maintenance equipment in the physical, dimensional, electrical, and electronic parameters.

Secondary Transfer Standards Augmented, AN/GSM-287: This set consists of baseline instruments and augmented components with expanded capability to support a wider variety of precision maintenance equipment. It is capable of supporting precision maintenance equipment in the physical, dimensional, electrical, electronic, radiological, electro-optical, and microwave frequency parameters.

Secondary Transfer Standards, AN/GSM-705/440: This set configuration contains baseline instruments and augmented components designed for a tactical support mission. The platform applies a network-centric approach to precision maintenance support operations and data handling via an integrated data network, capable of sending calibration management system data to higher Army headquarters and obtaining calibration software updates. The set of instruments is contained in a 37-foot semi-trailer with a M1088A1 Medium Tactical Vehicle Tractor and an integrated 15-kilowatt power generator.

Secondary Transfer Standards, AN/GSM-421/439: This set is a subset of the baseline instruments designed to support up to 70 percent of the Army’s high-density precision measurement equipment in forward areas. The system is modular and configurable to meet mission requirements and can operate in a true split-based mission posture. Designed for rapid deployment

by surface or air, AN/GSM-421/439 set will not radiate or be disrupted by electromagnetic interference.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **Current:** Sustainment of CALSETS Secondary Transfer Standards Basic, AN/GSM-286; Secondary Transfer Standards Augmented, AN/GSM-287; Secondary Transfer Standards, AN/GSM-421 and AN/GSM-705.
- **Current:** Fielding of CALSETS Secondary Transfer Standards, AN/GSM-705 to 756 Component Repair Company, Fort Hood, ARNG.
- **4QFY12:** AN/GSM-421A(v2) first unit equipped

PROJECTED ACTIVITIES

- **2QFY13:** AN/GSM-421A(v2) Logistics Demonstration
- **2QFY13-2QFY15:** AN/GSM-421A(v2) continues production and fielding

ACQUISITION PHASE

- Technology Development
- Engineering & Manufacturing Development
- Production & Deployment
- Operations & Support

Calibration Sets Equipment (CALSETS)

FOREIGN MILITARY SALES

Afghanistan, Egypt, Japan, Lithuania,
Saudi Arabia, Taiwan, United Arab
Emirates

CONTRACTORS

Dynetics, Inc. (Huntsville, AL)
Agilent Technologies, Inc.
(Santa Clara, CA)
Fluke Corp. (Everett, WA)

