

# Calibration Sets Equipment (CALSETS)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

## MISSION

To provide the capability to test, adjust, synchronize, repair, and verify accuracy of Army test, measurement, and diagnostic equipment across all measurement parameters.

## DESCRIPTION

Calibration Sets Equipment (CALSETS) consist of fixed and tactical shelters that house all instrumentation, components, and power generation equipment constituting a set. Calibration sets are capable of providing support to maintenance units or area support from brigade to multi-theater sustainment operations. The calibration sets are designed to calibrate 90 percent of the Army's test, measurement, and diagnostic equipment workload with an objective of 98 percent. The calibration

sets Secondary Transfer Standards are deployed worldwide and are used to verify and transfer precision accuracy to the current and Future Force.

### 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 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-421

This calibration platform consists of a M1152 High Mobility Multipurpose Wheeled Vehicle (HMMWV) with a mounted shelter and integrated

10-kilowatt power generator. This platform is equipped with a basic set of precision maintenance calibration standards designed to support up to 75 percent of the Army's high density precision measurement equipment. This 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-21 will not radiate or be disrupted by electromagnetic interference.

### Secondary Transfer Standards, AN/GSM-705

This calibration platform consists of a M1088A1 Medium Tactical Vehicle Tractor with a 35-foot trailer and integrated 15-kilowatt generator. Outfitted as a tactical mobile calibration system, it contains the baseline and expanded-issue instruments and components. The platform includes battlefield communication and applies a network-centric approach to precision maintenance support operations and data handling.

## 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; Secondary Transfer Standards, AN/GSM-705
- **Current:** Production and fielding of CALSETS Secondary Transfer Standards, AN/GSM-705 (National Guard)
- **Current:** System development and demonstration of CALSETS Secondary Transfer Standards, AN/GSM-421(V2)

## PROJECTED ACTIVITIES

- **2QFY09:** Total-package fielding to National Guard of CALSETS Secondary Transfer Standards, AN/GSM-705
- **3QFY10:** Production and fielding of CALSETS Secondary Transfer Standards, AN/GSM-421(V2)

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Calibration Sets Equipment (CALSETS)



AN/GSM-421

AN/GSM-705

### FOREIGN MILITARY SALES

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

### CONTRACTORS

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



Calibration Instruments

