

# 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.

## DESCRIPTION

Calibration Sets Equipment (CALSETS) consists of fixed and tactical shelters that house all instrumentation, components, and power generation equipment constituting a set. CALSETS is capable of providing support to maintenance units or area support from brigade to multi-theater sustainment operations. They 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.

CALSETS are designed to plug into Army enterprise and battle networks, fully supporting net-centric Joint operations and communications. The shelters are 100 percent mobile, transportable in operational configuration by surface mode or aircraft (C-130, C-5, and C-17).

**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 with a mounted shelter and integrated 10-kilowatt power generator. It is equipped with a basic set of precision maintenance calibration standards designed to support up to 70 percent of the Army's high density precision measurement equipment in forward areas. 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-421 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. It contains the baseline and expanded-issue instruments and components. The platform applies a network-centric approach to precision maintenance support operations and data handling.

## SYSTEM INTERDEPENDENCIES

None

## PROGRAM STATUS

- **2QFY09:** Total-package fielding to National Guard of CALSETS Secondary Transfer Standards, AN/GSM-705
- **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:** Production and fielding of CALSETS Secondary Transfer Standards, AN/GSM-705 (National Guard)
- **Current:** System development and demonstration of an up-armor capable CALSETS Secondary Transfer Standards, AN/GSM-421(v2)

## PROJECTED ACTIVITIES

- **2QFY11:** AN/GSM-421(v2) limited user test
- **3QFY11:** Milestone C for AN/GSM-421(v2)
- **3QFY11:** AN/GSM-421(v2) Full-rate production decision
- **3QFY11:** AN/GSM-421(v2) Production contract awarded
- **3QFY12:** AN/GSM-421(v2) First unit equipped

## 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)  
Science Applications International Corp.  
(SAIC) (Huntsville, AL)  
Fluke Corp. (Everett, WA)



AN/GSM-421

AN/GSM-705

