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 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 multitheater 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: 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 with an integrated 15-kilowatt power generator.

Secondary Transfer Standards, AN/GSM-421: 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 will not radiate or be disrupted by electromagnetic interference. This set is contained in a shelter mounted on an M1152 High Mobility Multipurpose Wheeled Vehicle with an integrated 10-kilowatt power generator.

SYSTEM INTERDEPENDENCIES
None

PROGRAM STATUS
- **1Q-4QFY11:** Total-package fielding to National Guard TASMG units 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:** Fielding of CALSETS Secondary Transfer Standards, AN/GSM-705 (National Guard, TASMG)
- **Current:** System demonstration of an up-armor capable CALSETS Secondary Transfer Standards, AN/GSM-421(v2)

PROJECTED ACTIVITIES
- **2QFY12:** AN/GSM-421(v2) limited user assessment
- **4QFY12:** AN/GSM-421(v2) first unit equipped

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and 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)