# Army Key Management System (AKMS)

**Modernization**

Recapitalization

Maintenance

## MISSION

Automates the functions of communication securities (COMSEC) key management, control, and distribution; electronic protection generation and distribution; and signal operating instruction management to provide planners and operators with automated, secure communications at theater/tactical and strategic/sustaining base levels.

## DESCRIPTION

The Army Key Management System (AKMS) is a fielded system composed of three subsystems: Local COMSEC Management Software (LCMS), Automated Communications Engineering Software (ACES), and the Data Transfer Device/Simple Key Loader (SKL). Under the umbrella of the objective National Security Agency Electronic Key Management System, AKMS provides tactical units and sustaining bases with an organic key generation capability and an efficient secure electronic key distribution means. AKMS provides a system for distribution of COMSEC, electronic protection, and signal operating instructions (SOI) information from the planning level to the point of use in support of current, interim, and objective force at division and brigade levels.

The LCMS (AN/GYK-49) workstation provides automated key generation, distribution, and COMSEC accounting. The ACES (AN/GYK-33), which is the frequency management portion of AKMS, has been designated by the Military Communications Electronics Board as the Joint standard for use by all services in development of frequency management and cryptographic net planning and SOI generation. The SKL (AN/PYQ-10) is the associated support equipment that provides the interface between the ACES workstation, the LCMS workstation, the Warfighters' End Crypto Unit, and the Soldier. It is a small, ruggedized hand-held key loading device.

AKMS supports the Army transition to NSA's Key Management Infrastructure (KMI), which will replace the current EKMS infrastructure to provide increased security. PD COMSEC has been involved in the transition planning and will procure and field the KMI Management Client (MGC) workstations, provide New Equipment Training (NET), and total life cycle management support for the system.

## SYSTEM INTERDEPENDENCIES

**In this Publication**
None

**Other Major Interdependencies**
AKMS systems are considered enabling systems for equipment/systems to receive key and frequency allotments.

## PROGRAM STATUS

- **FY12-FY17:** Continue to procure and field SKLs for Air Force, Navy, Foreign Military Sales, and other government organizations
- **2QFY12:** Complete refresh of ACES hardware
- **2QFY12:** Complete LCMS software upgrade version v5.1.0.5
- **3QFY12:** KMI Initial Operational Capability
- **4QFY12:** ACES software upgrade version 3.1; SKL software upgrade version 8.0

## PROJECTED ACTIVITIES

- **FY13:** ACES software upgrade version 3.2
- **FY14:** SKL upgrade to SKLv3.1
- **FY14:** ACES software upgrade version 3.3; SKL software upgrade version 9.0

| Technology Development | Engineering & Manufacturing Development | Production & Deployment | Operations & Support |
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## Army Key Management System (AKMS)

**FOREIGN MILITARY SALES**
Australia, Belgium, Bulgaria, Canada, Czech Republic, Estonia, Germany, Greece, Hungary, Latvia, Lithuania, Luxembourg, NATO, Netherlands, New Zealand, Norway, Poland, Portugal, Slovenia, Spain, Turkey, United Kingdom

**CONTRACTORS**
Sierra Nevada Corp. (Sparks, NV)
Mantech Sensors Technology, Inc.
   (Aberdeen, MD)
Science Applications International Corp.
   (San Diego, CA)
Websec Corp. (Murrieta, CA)
CACI (Eatontown, NJ)
CSS (Augusta, GA)