

Army Key Management System (AKMS)

INVESTMENT COMPONENT

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 forces 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 item of 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 handheld key loading device.

AKMS supports the Army transition to NSA's Key Management Infrastructure (KMI), which will replace the current

AKMS 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 and provide New Equipment Training (NET) and total life-cycle management support for the system.

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

AKMS systems are considered enabling systems for equipment/systems to receive key and frequency allotments

PROGRAM STATUS

- **FY11:** AACES software upgrade version 3.0; SKL software upgrade version 7.0
- **FY11:** Initiate ACES hardware Refresh
- **FY11:** Initiate LCMS software upgrade version v5.1.0.5, Common User Application Software v5.1 and the Card Loader User Application Software v5.1
- **3QFY11:** Fielding of the Common User Application Software Training Simulator

PROJECTED ACTIVITIES

- **FY12-FY14:** 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
- **FY12:** ACES software upgrade version 3.1; SKL software upgrade version 8.0
- **3QFY12:** KMI IOC
- **FY13:** ACES software upgrade version 3.2; SKL software upgrade version 9.0
- **FY13:** SKL upgrade to Common Load Device (CLD)
- **FY14:** ACES software upgrade version 3.3; SKL software upgrade version 10.0

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

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. (SNC) (Sparks, NV)
 Mantech Sensors Technology Inc. (MSTI) (Red Bank, NJ)
 Science Applications International Corp. (SAIC) (San Diego, CA)
 CACI (Eatontown, NJ)
 Sypris (Tampa, FL)
 CSS (Augusta, GA)

