Army Key Management System (AKMS)

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).

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: 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

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: SKL upgrade to Common Load Device (CLD)
• FY14: ACES software upgrade version 3.3; SKL software upgrade version 10.0
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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)
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