

# Army Key Management System (AKMS)

Provides planners and operators with automated, secure communications at both the theater/tactical and strategic/sustaining base levels.

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

### Description & Specifications

The Army Key Management System (AKMS) automates the functions of communications security (COMSEC) key management control and distribution, electronic counter-countermeasures generation and distribution, and signal operating instructions management. AKMS supports joint interoperability, while limiting adversarial access to and decreasing the vulnerability of Army command, control, communications, computers, and intelligence systems.

AKMS is composed of the following three elements:

**1. Local COMSEC management software (LCMS)**, which performs COMSEC accounting and electronic key generation and distribution.

### 2. Automated Communications

**Engineering Software (ACES)**, which is the frequency management portion of AKMS and will be 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. ACES will replace the legacy Revised Battlefield Electronic Communications-Electronic Operating Instructions System (RBECS) and will become the joint electronic interface to all spectrum management, Integrated System Control, Spectrum XXI, RBECS, Operational Tasking Command, Air Tasking Order (ATO), and Space ATO workstations.

**3. The Simple Key Loader**, which replaces the Data Transfer Device (DTD). The small design allows

easy key transfers and provides the interface among LCMS, ACES, and End Crypto units.

### Program Status

- **2QFY06:** Procure and field Simple Key Loaders
- **3QFY06:** Completion of ACES fieldings

### Projected Activities

- **2QFY07:** Procure and field Simple Key Loaders; future ACES Block II and DTD/Simple Key Loader upgrades
- **FY07-09:** Future ACES Block II and DTD/Simple Key Loader upgrades

## ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

## Army Key Management System (AKMS)

### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### Software:

Sierra Nevada Corp. (Sparks, NV)  
 SAIC (San Diego, CA)  
 Information Systems Support, Inc.  
 (Tinton Falls, NJ)  
 Inter4 (San Francisco, CA)  
 Sypris (Tampa, FL)  
 CSS (Augusta, GA)



ACES Workstation



Simple Key Loader (SKL)

Data Transfer Device (DTD)



## Automated Communications Engineering Software (ACES)



NSA Key Processor



Data Transfer Device (DTD)



Simple Key Loader (SKL)

Tactical



Strategic

Army Tier 2 EKMS Workstation

## Local COMSEC Management Software (LCMS)

