

Remote Cryptographic Management System (RCMS)

Manpower reduction and improved Operational Effectiveness through remote re-keying.



What is RCMS

The latest version of RCMS Central Site Management Workstation (CSMW) and are proven and fully compliant with the latest Crypto-Mod requirements. The system allows the central operator to remotely load keys to MIDS JTRS and LVT (Series) radios over a secure Ethernet LAN connection. The RCMS provides key delivery to remote stations over TCP/IP networks. This product solution reduces staffing and travel requirements, increasing visibility of system operations. The RCMS uses a net-centric approach to provide secure, remote cryptographic system management.

RCMS architecture

A single Control Station at the Command Center allows the operator to view the status of the multiple remote Outstation ECUs. Communications between the Control Station and the Outstations can be over a secure TCP/IP network.

Control station

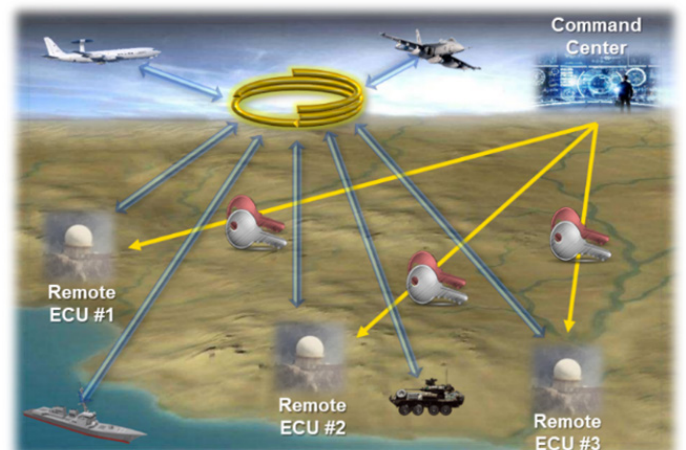
- Operator status and data logging
- Key loading controls
- Single operator can control multiple outstations

Central monitoring management

- Windows® 10 Long Term Servicing Channel
- Ethernet Connection to Local LAN



RCMS is an NSA-reviewed and authorized re-key system.



Key Benefits

- Ultra's RCMS combined with the Ultra Key Manager (UKM), enables keying, rekeying, and zeroization of End Cryptographic Units (ECUs) allowing for a single operator to keep remote site locations "online" via TCP/IP secure networks.
- RCMS hardware was reviewed by the US National Security Agency (NSA) and is "authorized" for distributing Black Keys to ECUs.
- Supports many different ECUs and is upgradeable for most DS-101 devices. Note: Certain devices may require additional equipment cabling and/or software.

Features

- Net-centric architecture with configurable equipment and modular user interfaces
- Uses the Ultra Key Manager (UKM) for Key Management
- Black key can be sourced from NSA
- Highly reliable computers provide a high availability solution
- Reduces manpower requirements and improves operational availability.
- Uses industry standard communication protocols: XML, TCP/IP, HTTPS, SNMP
- Available today for all MIDS JTRS and LVT family systems
- Removable Solid State Drive (SSD)
- Front crypto fill port allows "RED" ECU pass-through directly to terminals
- 19" rack mountable, 1U hardware device design

Remote Cryptographic Management System (RCMS)

The RCMS provides an interface to the fill device. The RCMS is a rack-mounted 1U form-factor that fits a standard 19-inch equipment rack.

The RCMS can be controlled from multiple sites.

RCMS requires additional support equipment, cabling, and software support services dependent on the installation site.

