L3HARRIS®
FAST. FORWARD.

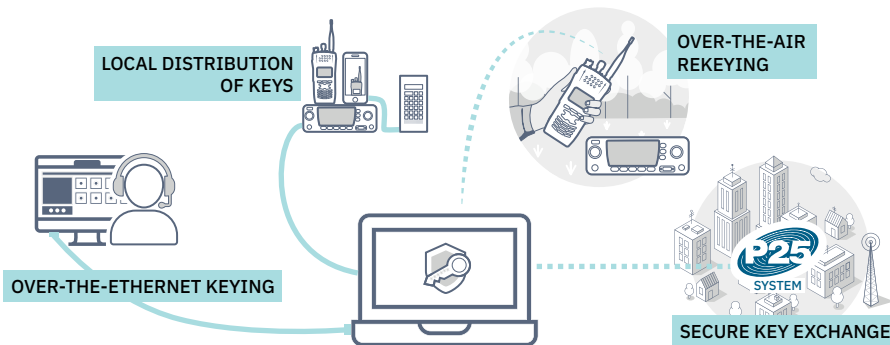# KEY MANAGEMENT FACILITY

Secure Your System with a Complete Set of Encryption Solutions

The Network Key Management Facility (KMF) is a powerful solution for managing encrypted communications across diverse P25 devices. It integrates seamlessly with your system, offering a secure, user-friendly platform that uses military-grade encryption to protect your fleet, saving your team time and money.

LOCAL DISTRIBUTION OF KEYS

OVER-THE-AIR REKEYING

OVER-THE-ETHERNET KEYING

SECURE KEY EXCHANGE

P25 SYSTEM

KEY BENEFITS

> Utilize the KMF to manage and update keys for both P25 L3Harris and non-L3Harris radios

> VIDA® core integration makes it easy to manage key distribution for your entire system from a central location

> FIPS 140-2 security to keep your network secure

> Prevent interruption of your encryption operations with redundant KMF applications for high availability

> Easily and frequently refresh keys to reduce the risk of decryption

KEY USE CASES

> Enable OTAR on all devices at once for initial deployment with DMF

> Update keys without physically loading the keys in the field with OTAR

> Zeroize keys from lost or stolen radios to maintain system security

> Exchange keys with neighboring systems for joint operations with secure communications

MANAGE EASILY ALL IN ONE PLACE

The Key Management Facility (KMF) provides a single user-friendly solution for updating and managing keys, organizing users and devices, setting user permissions and reporting user status updates through easy-to-use features. Using the KMF to manage keys allows for updates to be queued and applied when a device is next available. This process occurs seamlessly in the background, ensuring that communications are not interrupted during the update. The use of industry P25 standards allows the KMF to be used with any vendor's P25 compliant device and even allows for the secure exchange of keys between two P25 compliant systems over-the-air.

SAVE TIME AND MONEY MANAGING KEYS

The available remote and local keying solutions support you wherever your need lies. Over-the-air rekeying (OTAR) and over-the-ethernet keying (OTEK)

capabilities allow quick mass updates, saving you time and money. Whether hard to reach or for your convenience, keying can be done locally using a Key Manager that is either physical for a rugged form factor or even virtual to save you from having to buy physical Key Managers. When used with L3Harris' Device Management Framework (DMF), the initial setup of keys and activation of OTAR can be performed remotely for all devices during their initial provisioning. This approach saves even more time and money.

ENHANCED SYSTEM SECURITY

With military-grade encryption from a leading U.S. military radio provider, you can trust that you have the best encryption available. L3Harris enhances your security with features like Link Layer Authentication, unique User Key Encryption Keys (UKEKs) for each device, and easily enables routine key updates to prevent decryption over time.

Key Features

Over the air and over ethernet rekeying
The OTAR feature permits encrypted rekeying without physical access to KMF devices or hardware.

Update queueing for devices
If a device is unavailable, the KMF is designed to automatically queue and deliver any crypto key updates once a device reestablishes a connection.

Secure key exchange over the air between systems
The KMF allows for secure key exchanges across P25-compliant systems to support secure joint operations and not mishandle data when sharing.

Virtual and physical key loaders
Select a physical key loader for convenience, or choose a virtual one to maximize savings.

Device zeroize
If necessary, the KMF allows an administrator to zeroize any radio that may compromise the network.

Mass provisioning and OTAR with Device Management
The Device Management application's provisioning feature enables an easy initial setup for keys and OTAR across all devices at once, saving time and cost.

Unique individual UKEKs
All devices of a system have unique UKEKs limiting compromises to a single device on that system to contain security exposure.

Uninterrupted communications during updates
Perform updates at anytime without impacting communications for your users.

SPECIFICATIONS FOR: KEY MANAGEMENT FACILITY

KMF PRODUCT FEATURES
Warm Start
Zeroize Keys
Changeover
Delete Key
Rekey
Hello Encrypted
Hello Unencrypted
Change AES UKEK
Change DES UKEK
OTAR
Change RS
Refresh Authentication
Stage Keys
Change History Reporting
Secure Key Exchange

SUPPORTED DEVICES AND SYSTEMS
VIDA® P25 Systems
L3Harris P25 Radios
Non-L3Harris P25 Radios
Dispatch Consoles
XL Virtual™ Clients
Trunked Logging Recorders

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