APX™ FEATURE DESCRIPTION:

MULTI-SYSTEM OVER-THE-AIR REKEYING
(MS-OTAR)

This feature allows a radio to receive keys over the air from up to 19 Key Management Facilities (KMF), enabling seamless and secure interoperability between agencies. Radios without MS-OTAR currently can only retain a single KMF profile at a time.

### QUICK, SECURE MULTI-SYSTEM ROAMING

Without MS-OTAR, moving from one secure system to another requires extensive radio reprogramming, which can take several hours.

By retaining keys and configuration for up to 19 KMF profiles, MS-OTAR allows users to roam between systems without the need for constant provisioning. Switching to another agency's secure system takes only a channel change and a few seconds.

HASSLE-FREE SECURITY

With MS-OTAR, radios spend less time in someone else's radio shop and more time in the field. Quick and easy secure connectivity encourages best practices in protecting sensitive communications.

	Without MS-OTAR	With MS-OTAR
Number of OTAR systems supported	Limited to a single system	Up to 19
Provisioning	Every time	1 time
Time to Complete Switching Systems	Several hours	3.5 seconds
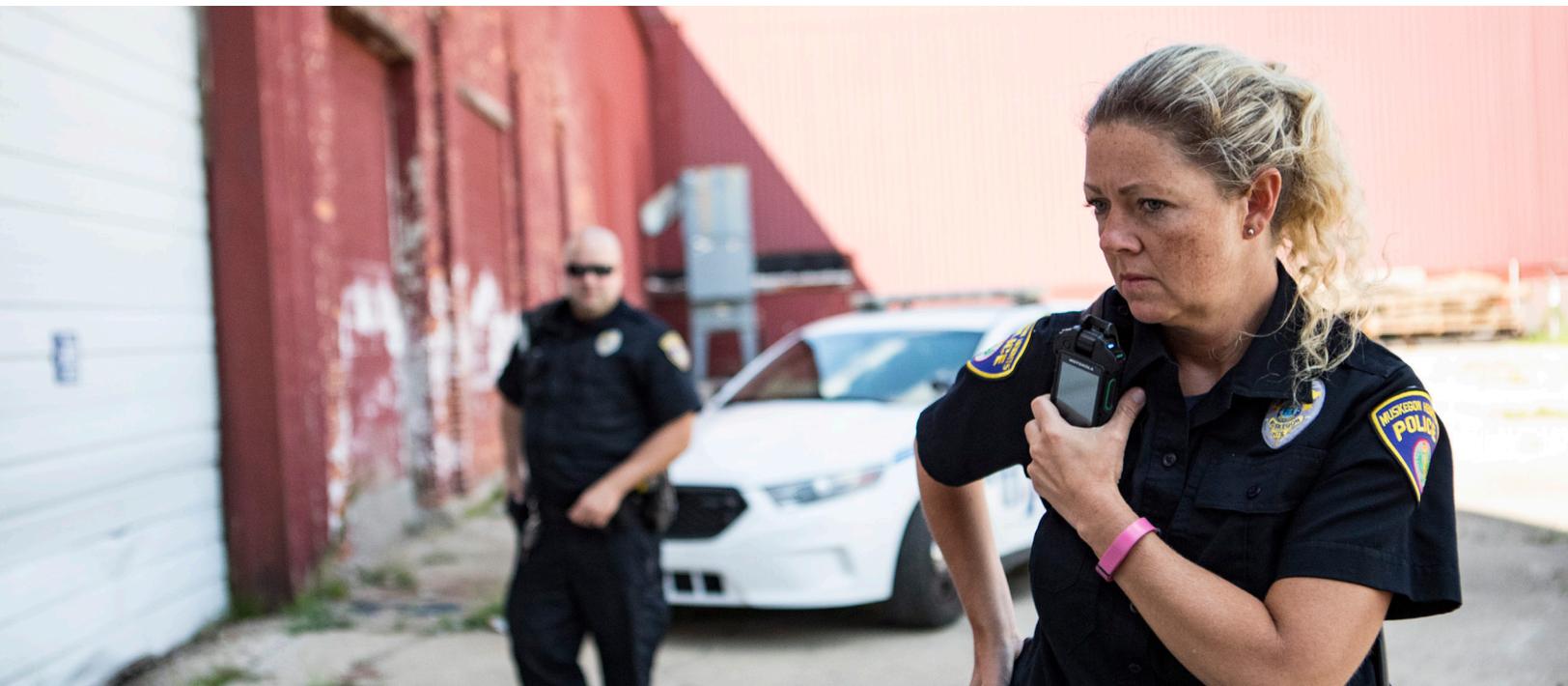
SAMPLE USE CASES

FEDERAL

An active shooter is deemed a terrorist threat and a federal agency is called in for assistance. Agents need to seamlessly and securely migrate their communications to the local encrypted ASTRO® 25 radio system. Without MS-OTAR, there are three less-than-ideal options:

    A) Borrow radios from the local agency (if available)
    B) Operate in the clear
    C) Spend many hours provisioning their own radios to the local agency's Key Management Facility

With MS-OTAR and one-time provisioning complete, agents would only need to join the talkgroup to connect to the local KMF by using the channel knob or radio menu.

STATE & LOCAL

County A operates over encrypted channels. They need backup from neighboring County B for a serious criminal threat. It is imperative to the mission that County B joins County A's encrypted talk groups quickly. With MS-OTAR and one-time provisioning complete, County B would can simply use the channel knob or radio menu to join the encrypted talkgroup.

COMPATIBILITY

PORTABLE RADIOS

- APX 3000
- APX 6000
- APX 6000XE
- APX 8000
- APX 8000XE
- APX 8000H
- SRX 2200

MOBILE RADIOS

- APX 6500
- APX 8500

REQUIREMENTS

APX RADIO SOFTWARE	R20.02.00 or later
APX RADIO	ASTRO 25 OTAR with Multi Key ASTRO 25 MS-OTAR (both options must be enabled)
RADIO ENCRYPTION	MACE chip with R01.09.00 or later
CUSTOMER PROGRAMMING SOFTWARE (CPS)	R20.00.03 or later

MOTOROLA SOLUTIONS