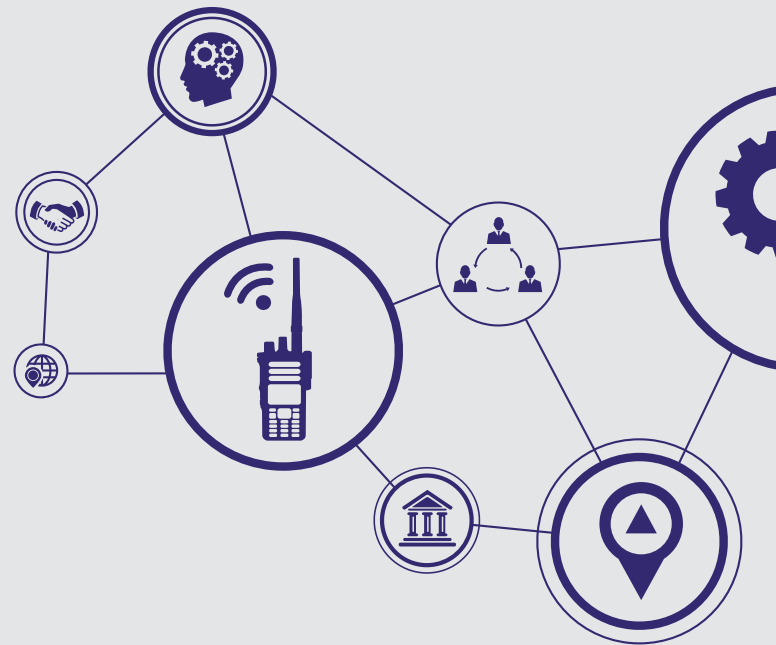


# SYNCHRONIZING SECURITY AT HIGH-PROFILE GOVERNMENT EVENTS



# HOW LMR/LTE CONVERGENCE WILL IMPACT CROSS-AGENCY COLLABORATION & OPERATIONAL INTELLIGENCE



## THE SITUATION

The Republican and Democratic National Conventions generate hundreds of millions of dollars in revenue and attract more than 35,000 delegates and attendees, on average.<sup>1</sup> With key members of Congress and the local party and representatives from legislative and judicial branches of government convening under a single roof before the eyes of millions, these events present a complex and unpredictable risk profile for federal law enforcement.



## THE CHALLENGE

The challenge lies in the division of responsibility for event security across federal, state and local entities. Federal law enforcement agencies are in charge of containment and remediation, while state and local agencies take jurisdictional lead on prevention.

In order to be effective in their mission, federal law enforcement agencies must build agile communications infrastructure that improve operational intelligence and collaboration with federal, state and local entities – without further compromising agency control. Field agents and command need to be able to exchange information from a variety of data sources without disrupting mission-critical voice. In the event of a security breach, federal communications managers need to remotely and instantly activate a secure and interoperable channel for federal, state and local teams to communicate.

**“Unquestionably, DOJ’s most important customer is the American public.”<sup>2</sup>**

<sup>1</sup> "2012 Democratic National Convention." Wikipedia. Wikimedia Foundation, 09 Aug. 2014. Web. 10 Sept. 2014.

<sup>2</sup> United States. Department of Justice. Chief Information Officer. DOJ Information Resources Management Strategic Plan 2014-2016. By Kevin Deeley. N.p.: n.p., 2014. Print.



## THE SOLUTION

Communications devices that support Land Mobile Radio (LMR) and Long Term Evolution (LTE) networks give federal agencies operational flexibility and an advantage in environments that are difficult to control and exposed to complex risk.

The APX™ 7000L Multi-Band Portable Radio with LTE operates on both Long Term Evolution (4G LTE) mobile broadband and P25 Land Mobile Radio (LMR) networks and is specifically designed to meet the immediate and long-term needs of U.S. federal law enforcement.

### COMMUNICATIONS PREPAREDNESS

The APX 7000L's LTE feature allows communications managers to program and rekey an event's subscriber fleet remotely within minutes or seconds. This returns significant cost and time savings for communications teams to optimize other emergency preparedness activities.

### CROSS-AGENCY COLLABORATION

A multi-band, LTE-enabled device gives federal agencies the advantage of open communication without the increased risk of exposure to information proliferation. Conducting OTAP and OTAR over LTE allows communications managers to adjust channels and security keys mid operation – so federal, state and local teams can talk and share information securely in real time.

### SITUATIONAL AWARENESS

Using broadband LTE as a conduit for data allows federal agencies to take advantage of a host of advanced applications that improve operational intelligence and information sharing. Bringing previously toggled capabilities such as GPS on to the KMF gives the command center a more complete and accurate view of the physical environment in real time. Agencies can then use this visibility to adapt coordination to the location and behavior of agents in the field. In turn, field agents can stay in constant contact with command and each other, even receive texts, so information is shared faster and critical decisions can be made in an instant. The ability of these decision makers to guide synchronous agent movements in real time empowers operational strategies to drive outcomes greater than the sum of their resources.

**“...while voice still reigns supreme, especially in mission-critical situations where signal quality and reliability are of paramount importance, public safety agencies have come to increasingly rely on high-bandwidth applications that the existing narrowband networks fail to support.”<sup>3</sup>**

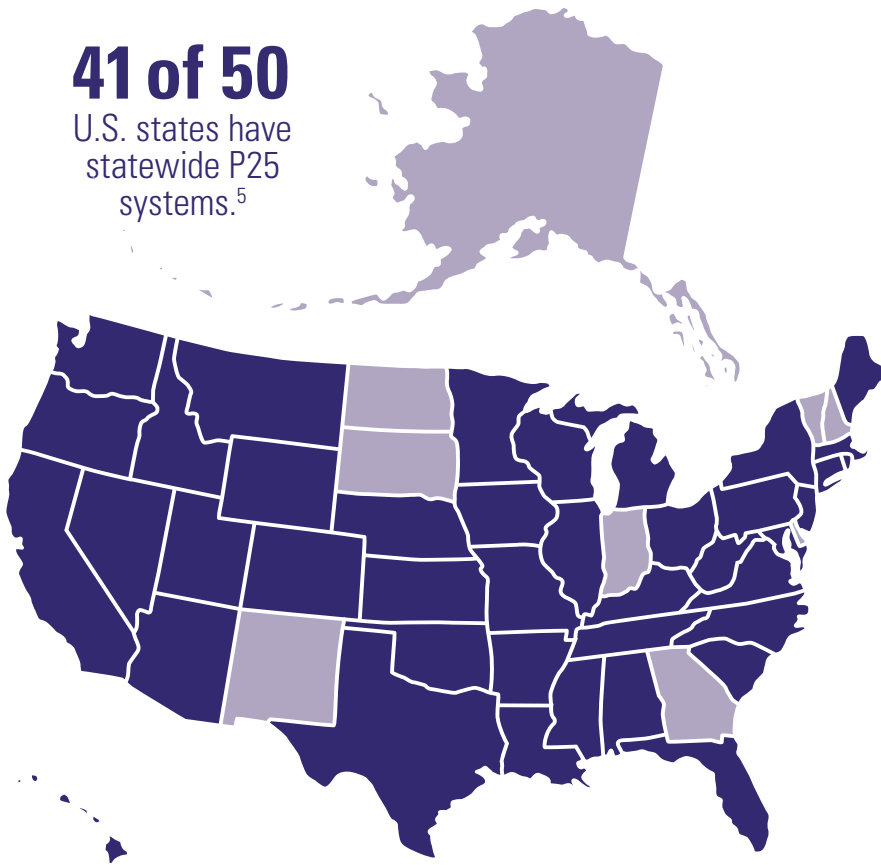
<sup>3</sup> “Motorola Solutions Sharpens LTE Focus With First 4G-Capable Radio For Public Safety.” Forbes. Forbes Magazine, 26 Mar. 2014. Web. 19 Aug. 2014.

# INVESTING IN OPERATIONAL ADVANTAGES TODAY AND TOMORROW

When a city hosts a large-scale event, multiple federal and local organizations are responsible for the safety of everyone involved. To mitigate complex risks in environments with high volume, high value and high-profile attendees, they need a partner who has handled countless successful events around the world.

At Motorola Solutions, we understand the challenges your agency is facing, and our expertise extends far beyond Political Conventions. Trust our experience, products, services and support to help you rise to the occasion, whether that's on the front lines or in the back office.

**41 of 50**  
U.S. states have  
statewide P25  
systems.<sup>5</sup>



**“While data transmission is becoming more important to federal agents, it cannot be at the expense of the mission-critical LMR voice communications they need for responding and coordinating in the field.”<sup>4</sup>**

## APX 7000L MULTIBAND PORTABLE RADIO

The Elite Choice for Federal Agencies

The APX 7000L operates on LTE wireless broadband and LMR networks for high-speed data and mission-critical voice connectivity. Other features and benefits include:

### FEATURES

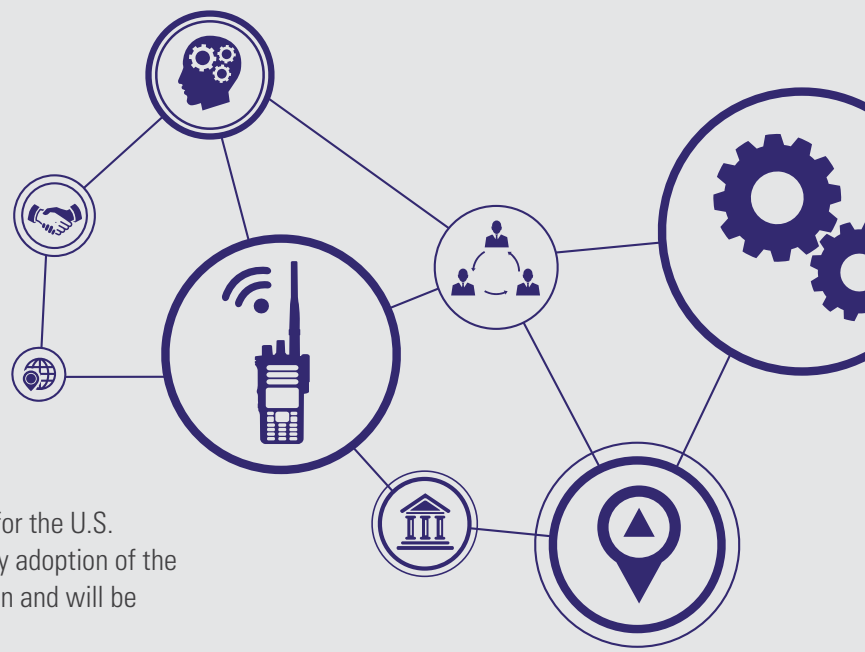
- Analog MDC-1200 and Digital APCO P25 conventional system configurations
- 2-mic noise cancelling technology
- Meets MIL-STD-810C, D, E, F and G
- FIPS 140-2 Level 3 encryption
- Instant information access
- Simultaneous voice and data
- Text messaging
- Submersible to 1 meter for 30 minutes
- Integrated GPS
- Man down sensor

### BENEFITS

- Faster, easier fleet updates
- Reliable voice and data capabilities
- Safer, encrypted communication
- Improved awareness of agents' location
- Real-time video for enhanced screening potential

<sup>4</sup> “Motorola Introduces P25 Radio with LTE Capability.” MissionCritical Communications. Pandata Corp., 18 Mar. 2014. Web. 19 Aug. 2014.

<sup>5</sup> Answering Your Customers' Tough Questions About the Future of LMR and LTE. Issue brief. N.p.: Motorola Solutions, 2014. Print.



## ALIGNING OBJECTIVES

Below is a chart of the 2014-2016 strategic management plan for the U.S. Department of Justice. To demonstrate the impact that an early adoption of the APX 7000L could have, we have **highlighted** the areas that can and will be affected by the convergence to LMR/LTE.

| STRATEGIC GOALS  | OBJECTIVES  |
|--|---|
| 1. Institutionalize IT portfolio management            | <ul style="list-style-type: none"> <li>Achieve enterprise-wide portfolio optimization</li> <li>Institutionalize strategic sourcing processes</li> <li><b>Transform and realign the IT workforce</b></li> </ul>  |
| 2. Streamline IT operations to better serve customers  | <ul style="list-style-type: none"> <li><b>Deploy enterprise solutions that reduce costs and improve efficiency</b></li> <li>Identify and rationalize commodity IT services</li> <li><b>Invest savings harvested from IT commodity rationalization into new capabilities and innovations that address customer needs</b></li> <li>Transition the IT service delivery model to a service broker model</li> </ul>  |
| 3. Enhance IT security                                 | <ul style="list-style-type: none"> <li><b>Institutionalize appropriate policies and risk-based compliance to assure the security, privacy and accessibility of data and systems</b></li> <li>Expand continuous monitoring capabilities to drive risk-based decisions and better inform compliance activities</li> <li>Integrate Identity, Credentials and Access Management (ICAM) programs</li> <li><b>Assure a trusted and resilient information and communications infrastructure</b></li> </ul> |
| 4. Deliver innovative solutions to meet customer needs | <ul style="list-style-type: none"> <li><b>Support component deployment of mission systems to meet specific customer needs</b></li> <li><b>Provide mobility services to enhance employees' mission effectiveness and improve service delivery and information access to the public</b></li> <li>Spur innovation and improve services by engaging the public and making DOJ datasets available</li> </ul>   |
| 5. Expand information sharing                          | <ul style="list-style-type: none"> <li><b>Drive collaboration internally and with the broader law enforcement community</b></li> <li>Work with the community to develop and use information sharing standards</li> <li><b>Negotiate sharing agreements and enable shared services with public safety and law enforcement partners</b></li> <li><b>Strengthen information safeguarding to protect privacy and civil rights</b></li> </ul>  |

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