T-MOBILE FOR GOVERNMENT

ENHANCING RAPID RESPONSE WITH T-PRIORITY AND MISSION CRITICAL PUSH-TO-TALK

Built for public safety agencies, advanced solutions empower first responders with fast, secure, and reliable communications.

KEY TAKEAWAYS

- **T-Priority, the world's first network slice for public safety, gives first responders ultimate priority for reliable performance during critical missions.**
- **T-Mobile Direct Connect MCPTT integrates with existing LMR systems to boost real-time communication for government and public safety operations.**
- **MCPTT extends communication beyond conventional radio systems, enhancing coverage and capabilities for first responders.**
- **Advanced features like dynamic talkgroups empower teams to respond swiftly and effectively in high-pressure situations.**

In an emergency, there's no time for radio silence. You need quick, secure, reliable communications that you can count on.

When lives are on the line, your communications can't wait. That's why we created T-Priority. With up to 5X the network resources of an average user, T-Priority delivers lower latency and faster 5G speeds more consistently. That kind of priority is just one more way we fulfill our commitment to public safety.

And, building on our T-Mobile Direct Connect program, we've added Mission Critical Push-to-Talk (MCPTT), which gives your team ultimate performance during emergencies through reliable push-to-talk capability powered by our advanced 5G network.

These T-Mobile for Government solutions complement one another to put first responders first during an emergency. Even when networks are extremely congested.

The result? The real-time communication and coordination you need for critical missions.

"T-Mobile MCPTT and T-Priority were designed for first responders and field teams, where every second counts. We deliver the reliable connectivity that keeps your people connected and your mission on track."

—Scott Wiley, T-Mobile for Government

The advantage of our push-to-talk.

MCPTT gives you instantaneous voice communication for your first responder teams and lets users communicate one-to-one or one-to-many with just the push of a button. That supports speedy critical information sharing with authorized groups. And since MCPTT goes beyond traditional push-to-talk services, you have what you need to meet the rigorous demands of your mission-critical communications.

MCPTT works over our nationwide 5G network—the nation's largest and fastest—harnessing the power of 5G to give public safety agencies a full set of voice communication and data services.

Low latency: Get speed and reliability when you need it most with near-instantaneous push-to-talk communications.

Expansive availability and resiliency: Stay connected in busy cities, remote countryside, and virtually everywhere in between.

Secure communications: Secure and protect all your MCPTT communications, including sensitive personal data, with end-to-end encryption.

Priority and preemption.

Communication networks can be stretched thin during large-scale events, like a parade or response during a flood.

Get priority access that moves your first responders to the front of the line. And if the network reaches capacity, non-priority users can be preempted from the network. That way, first responders gain or maintain access more reliably.

Dynamic talkgroups.

Police cruisers and firefighters need fast access to communications when they respond to calls outside their districts.

Location-enabled access makes it easy to create groups and organize communications.
With dynamic talkgroups or channels, users within a defined geographic radius can immediately access the group to get—and stay—in the loop.

Emergency calling and alerts.

When multiple agencies are responding to a major emergency, focused communication is key.

Make sure urgent messages go straight to the people who need them.

With emergency call features, authorized users can start a call—for up to 3,000 participants—that overrides calls for routine activities or minor incidents.

Integrating MCPTT and LMR.

Your current radio system works hard. We help it work smarter. Even with long-time value as the backbone of public safety communications, Land Mobile Radio (LMR) can be limited in both coverage and capacity—especially during large events or incidents that exceed the radio system's coverage area.

For the resiliency, redundancy, and end-to-end encryption you rely on, MCPTT works alongside your existing LMR system. And we use several industry-standard methods:

- Radio over IP (RoIP)
- ISSI Inter RF Subsystem Interface
- CSSI Console Subsystem Interface
- Motorola Critical Connect

MCPTT augments your existing LMR by providing an alternative communication channel over cellular networks for when your LMR system is overloaded or out of range. That means first responders can access reliable and effective communications when they need it most.

Plus, you can gradually integrate cellular-based communication to begin experiencing the benefits without needing to overhaul your existing LMR infrastructure. By scaling up your use of MCPTT over time, you can achieve a cost-effective, integrated communication system and get the best of both worlds.

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USE CASE

Backup communications during a hurricane.

The effects of high winds and torrential rain can bring chaos during a hurricane. And that can disrupt your LMR infrastructure. Fortunately, MCPTT can serve as a backup communication method—helping critical information flow uninterrupted to utilities, flood control, and other response teams.

It's a dual-system approach that enhances the communication network's overall resilience. With it, you'll have greater peace of mind and assurance that your teams can communicate, even when Mother Nature is working against them.

If a disaster disrupts both network systems, several rapidly deployable cellular solutions can quickly restore coverage for a specific area. For instance, tethered drones that can remain airborne indefinitely or portable cellular systems mounted on trailers or 4x4 vehicles can be deployed based on the region's unique challenges and topography.

And there's more: T-Mobile has opened registration for a beta test of T-Mobile Starlink, a direct-to-cell satellite service that will help eliminate dead zones by providing coverage for the 500,000 square miles of land in the United States not covered by earth-bound cell towers. This technology can provide emergency alerts in areas affected by natural disasters.

Developing technology available in most outdoor areas where you can see the sky.

Extending communication to non-radio users.

Not everyone in the first responder ecosystem uses radios or is within the LMR coverage area. Plenty of support staff, volunteers, temporary workers, or people with specialized roles also need to stay in touch, even though they may be using different devices.

Here, too, MCPTT makes it easy to stay connected. It extends two-way communication by supporting many types of devices, including rugged push-to-talk devices and a range of iOS and Android smartphones and tablets.

That's particularly useful during large events like sporting games, marathons, or music festivals, when personnel are added to help with crowd management and security. MCPTT lets them use their smartphones or other mobile devices so that everyone in the operation stays connected and informed.

Advanced features and benefits to public safety.

LMR systems work well for voice communication, but MCPTT supports a much higher level of information sharing. Particularly for the rich multimedia and data services today's first responders rely on.

With the enhanced capacity and speed of MCPTT, first responders can unlock:

- **Rapid response:** Field commanders can support teams with clear commands from 1:1 calls, text messages, and streamed videos to a larger group—something you don't typically do on LMR.
- **Real-time photo and video sharing:** First responders can share photos and live video feeds from the scene of an incident, providing command centers with a visual understanding of the situation.
- **Location tracking:** Supervisors can use location reporting and tracking to get status updates on teams within a given set of parameters to help coordinate responses and ensure everyone's safety.
- **File and data sharing:** Teams can quickly exchange crucial documents, images, and other data, such as floor plans or medical records.

USE CASE

Real-time video during a fire.

Maintaining visibility and situational awareness as flames rise and smoke thickens is a real challenge. Firefighters and emergency medical services (EMS) teams need to coordinate their efforts to ensure public safety and effectively manage the emergency.

Using MCPTT, firefighters can share data-intensive files, like real-time video, so they can deploy teams and resources where they're needed most. First responders can also send pictures of a structural collapse to responding EMS teams, helping them prepare for incoming patients with accurate, up-to-date information on injuries and environmental hazards.

Encryption and SASE keep data protected.

End-to-end encryption helps ensure that critical or sensitive information stays secure and protected from unauthorized access. Security is further supported by T-Mobile Secure Access Service Edge (SASE), a SIM-based, zero-trust network access solution.

These security tools give you:

- **Granular control:** Manage access to communication channels, data, and devices so you can prioritize resources and prevent unauthorized access. Administrators can manage Talkgroups and settings through the Corporate Administration Tool (CAT).
- **Streamlined security:** Keep first responders in touch—without compromising security—with simplified access controls, prioritized network access, and automated protections.
- **Automatic authentication:** Pre-configured systems enable immediate, secure access to critical communication networks, minimizing delays and allowing first responders to connect to essential resources quickly.

Mission-critical reliability.

Ultimately, by combining the expansive coverage of the T-Mobile 5G network with T-Priority and MCPTT, you can count on fast, reliable, and secure communications to handle mission-critical challenges with confidence and speed.

To learn more about Push-To-Talk Services, visit t-mobile.com/business/solutions/productivity/push-to-talk

For qualifying organizations on eligible rate plans. Coverage not available in some areas and may be impacted by emergencies.