The next generation of Public Safety communications – today – and tomorrow.

Connecting Networks – Public Safety works better when technologies work together

Fast, responsive mobile communications are essential for Public Safety agencies and every community they serve and protect. AT&T offers a simple, highly secure and scalable solution to connect and enhance an LMR network with AT&T Enhanced Push-to-Talk. Public Safety agencies now have a push-to-talk (PTT) solution for today and tomorrow. AT&T Land Mobile Radio with LTE Interoperability is the only totally integrated and managed carrier solution that provides multiple implementation options, giving agencies reliable, seamless communication between EPTT and LMR users whenever and wherever needed. Now, you can connect and enhance your LMR network with AT&T Enhanced Push-To-Talk (EPTT) for maximum reliability.

Increase capacity – offload non-critical communications

Eliminate costly upgrades, increase capacity, and offload non-essential usage by leveraging AT&T reliable LTE Interoperability for your Public Safety LMR network. Now you can expand mission-critical capacity while maintaining group communications during the times you need it most.

Standard and Advanced Calling Features

- Intergroup Calling (Group to Group)
- Instant Personal Alert feature (LMR dispatcher to AT&T Enhanced Push-to-Talk device)
- Talkgroup Scanning (Both AT&T Enhanced Push-to-Talk and Land Mobile Radio talkgroups)

Open Standards Support

AT&T supports a wide array of open IP-based standards, including P25, which provide Public Safety agencies with a variety of options for implementing LTE Interoperability between an LMR system and the AT&T network.

These options include:

Radio over Internet Protocol (RoIP)

- De facto LMR industry standard
- Application of Voice over IP (VoIP) on a two-way radio network
- Utilizes IP backbone to connect and communicate between radio networks

Inter RF Subsystem Interface (ISSI)

- Part of APCO P25 standards suite
- Non-proprietary interface that allows RF subsystems (RFSS) from different manufacturers to connect together
- Enables AT&T Enhanced Push-to-Talk to appear as a RFSS to other RFSSs

Console Subsystem Interface (CSSI)

- Part of APCO P25 standards suite
- Non-proprietary interface utilizing basic messaging to connect a console subsystem (CSS) to a RFSS
- Enables AT&T Enhanced Push-to-Talk to connect to RFSSs via console patching
Enhanced Push-to-Talk
Talkgroup
Managed
4G LTE Network
Managed
Secure Network
Public Safety Facility
AT&T
Enhanced
Push To Talk
AT&T VPN
MPLS Network
Stay connected – extend your LMR coverage
LMR coverage is limited to its network footprint. But, by
using open IP-based standards including P25, AT&T LMR
LTE Interoperability gives PTT users on AT&T Enhanced
Push-to-Talk seamless coverage and connectivity across
the AT&T Network – extending your LMR coverage to a
nationwide footprint.

Control costs – preserve your capital investment in LMR
Building a LMR network is typically a substantial
investment that isn’t easily replaced. Built on the nation’s
largest network*, AT&T Enhanced Push-to-Talk and LMR
LTE Interoperability provide a solution designed to benefit
your existing Public Safety infrastructure without risking
your investment.

Boost savings – expand PTT services with a
cost-effective solution
Deploy service on an employee’s existing feature phone,
iOS or Android mobile device at a fraction of the price of
a two-way radio. Let your agencies choose the precise
communication tool for the job. With LMR LTE
Interoperability, agencies can now keep directors and
leaders connected to first responders with a Land Mobile
Radio allowing the agency or department to redeploy
radios to mission-critical users.

Be prepared – maintain critical communications in an LMR outage
When it matters most, the AT&T Enhanced Push-to-Talk
optimized network features site-level redundancy that
delivers highly reliable public safety communications.
AT&T Enhanced Push-to-Talk service can be utilized not
only as an overlay network to support broadband data
applications not supported by LMR but also as a
redundant – and highly secure communications network
in the event of a LMR network outage.

Protect information – encrypted for maximum security
Protecting the security of public safety communications is
not an option. With FIPS 140-2 compliance, AT&T LMR LTE
Interoperability meets security requirements for
Cryptographic Modules issued by the National Institute of
Standards and Technology (NIST).

“AT&T’s unique offering is simple, scalable and reliable... it’s the next evolution of Land Mobile Radio.”
— Steve Graves, CIO, City of Richardson, Texas

Visit att.com/firstresponders or contact your AT&T account representative

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Supports PTT integration with mobile applications

Utilizing the suite of APIs provided, AT&T Enhanced Push-to-Talk service is easily integrated into mobile public safety applications as well as software consoles.

Priority call treatment for Public Safety

Optional AT&T Dynamic Traffic Management for Public Safety uses quality of service (“QoS”) network technology to enable qualified public safety customers to receive a differentiated (i.e., enhanced versus “best effort”) AT&T-owned domestic 4G LTE network experience. An enhanced, or higher, QoS is particularly valuable during times of network congestion for your mission-critical data traffic.

Built to implement quickly

The wait is over. AT&T Enhanced Push-to-Talk LMR LTE Interoperability integration is tested with leading console and gateway vendors to deliver fast implementation. Your public safety agency can be operational with minimal delays.

AT&T LTE Interoperability for Land Mobile Radio (LMR) Solution Set

While other carriers or solution providers piece together their solutions, AT&T offers a totally Integrated and managed solution for LMR LTE interoperability.

The integrated and managed solution set from AT&T includes:

- AT&T Enhanced Push-to-Talk
  - Client
  - Device
  - Service
  - APIs
- AT&T Dynamic Traffic Management
- AT&T VPN for Interoperability (IP backhaul)
- Interoperability Gateway
- Accessory and Hardware Ecosystem
- Start-Up Kits
- End-to-End Managed Network Services
- End-to-End Solution Support

*Based on overall coverage in U.S. licensed/roaming areas. Coverage not available everywhere.