



AT&T ESInet™ Customer Presentation

The best of today built for tomorrow.

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Introduction | Voice transformation drivers for public safety



An estimated 240 million calls are made to 9-1-1 in the U.S. each year (Source: NENA)



It estimated that 70% of all calls made to 9-1-1 originate from a mobile device. (Source: FCC)



39% of US Households are wireless only. (Source: CTIA)



Within two years, carriers will be required to transmit to 911 call centers a caller's indoor position within 50 meters. (Source: FCC)



Public Safety Agency needs a 9-1-1 solution to enable interoperability among government agencies



Solution implements National Emergency Number Association (NENA), current i3 implementation standards allowing agencies to interoperate and automatically handle call overflow and disaster recovery scenarios.

Public Safety Agency needs a 9-1-1 solution that is highly secure



Provides a highly secure network and is resilient to cyber-attack, penetration, abuse or misuse.

Public Safety Agency needs a 9-1-1 solution to provide expanded communication technology capabilities such as delivery of text messages

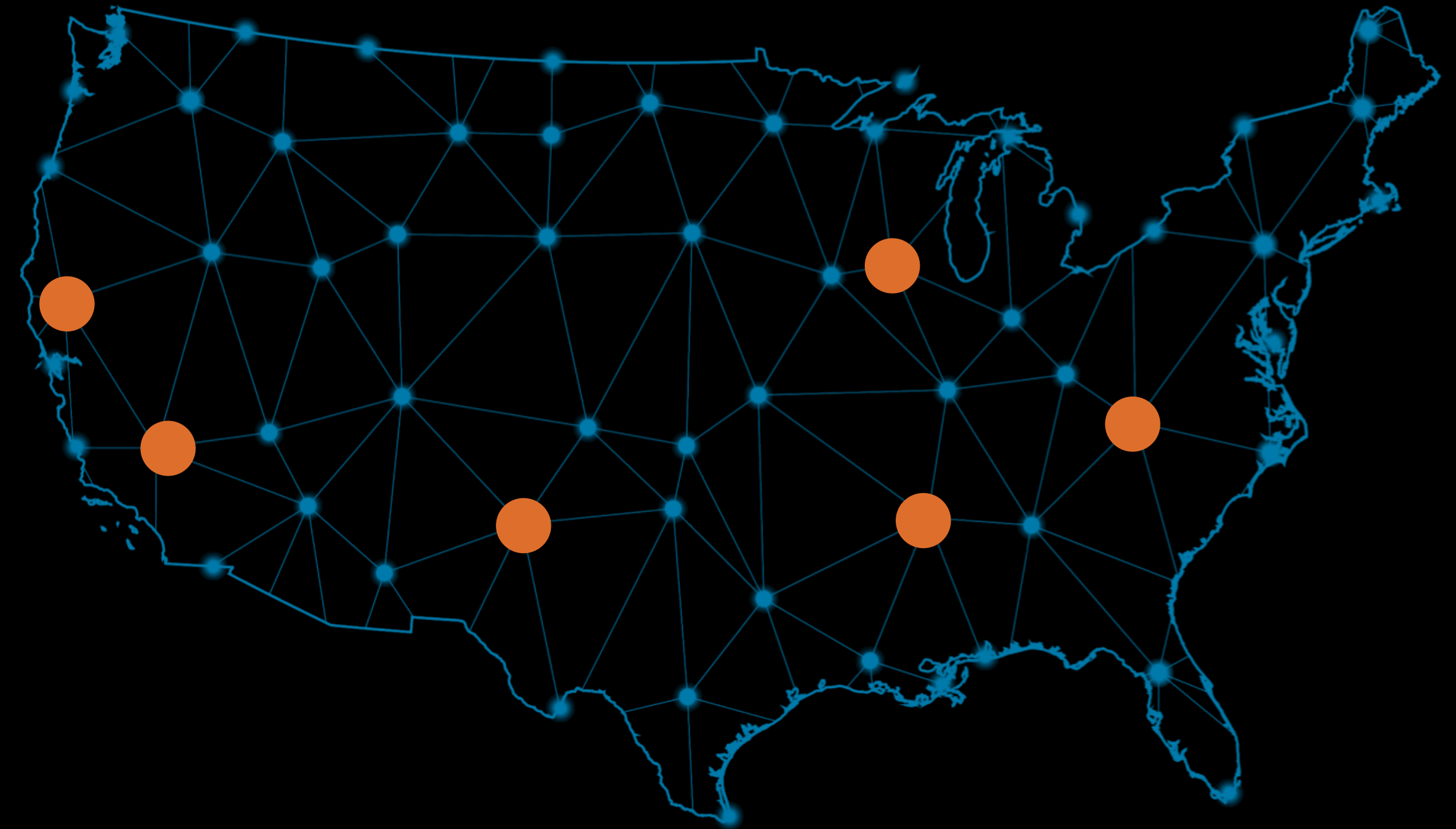


Supports the transition from TDM to Voice over IP (VoIP) technology by using SIP IP for 9-1-1 calls, and enables text messaging and future applications such as photos and videos.

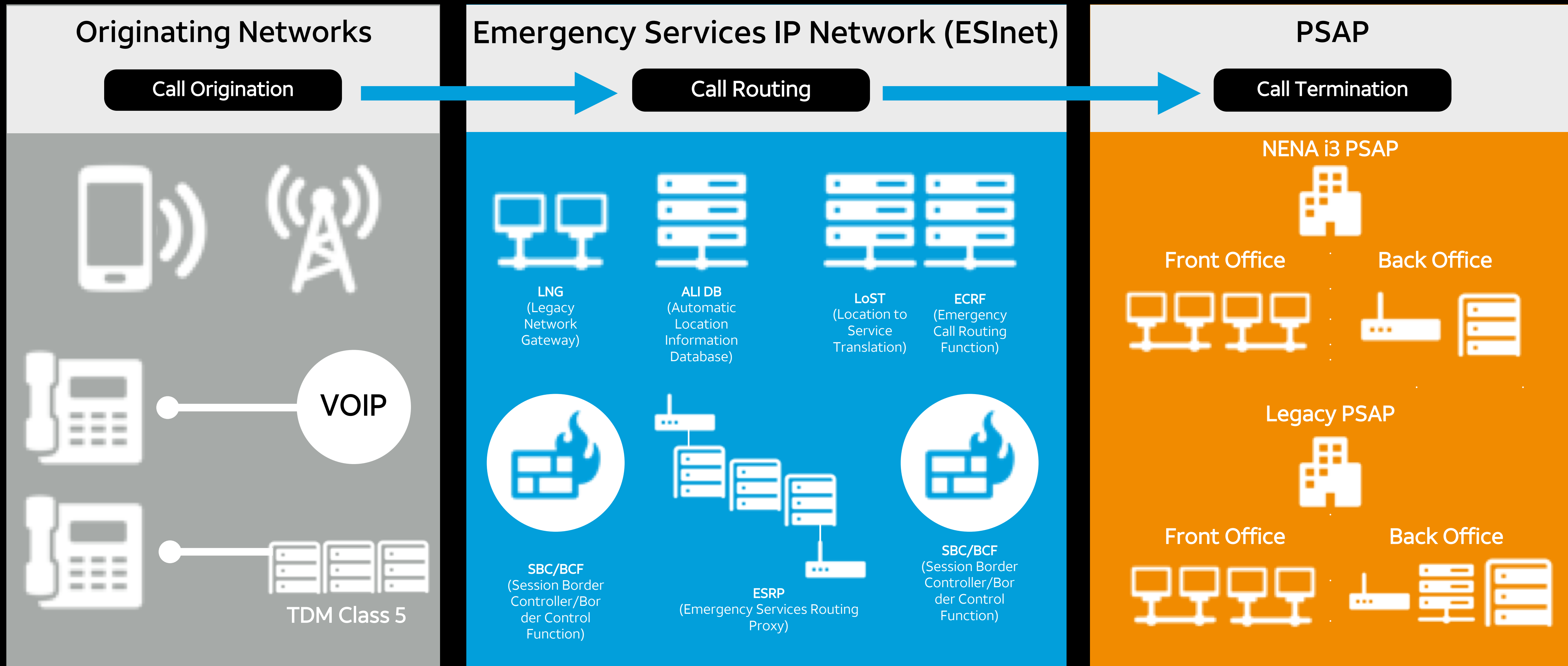
AT&T ESInet™ National Solution | The best of today built for tomorrow

- Nationally distributed, geographically diverse, redundant architecture enhances reliability
- Pre-deployed call processing in our data centers across US; co-located with existing 9-1-1 databases to optimize throughput of location queries
- Aggregation Centers (AGC) in our Central Offices augment future growth capacity
- Initial call processing capacity twice current volumes to handle unexpected spikes
- Supports the i3 standards for ease of integration
- Enables public safety interoperability with neighboring PSAPs, helping to enable fast call transfers and data sharing

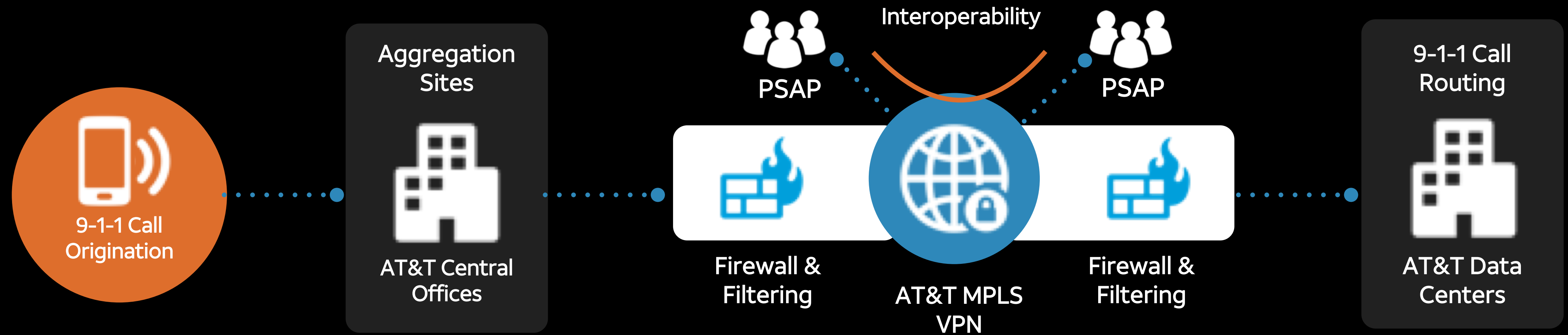
AT&T ESInet™ National Buildout



National Emergency Number Association (NENA) i3 Call Routing



AT&T Emergency Services IP Network (ESInet™)



9-1-1 Database Transition

- Supports 9-1-1 databases transition from the Automatic Location Identifier (ALI) tabular records to NG9-1-1 databases

Geospatial Routing Feature

- Routes 9-1-1 calls based on caller's physical location
- Helps eliminate misrouted calls and improve response times.

Text to 9-1-1

- Routes Text to 9-1-1 messages over AT&T AVPN network
- Works with industry leading Text Control Centers (TCC)
- Service integration with PSAP call handling equipment

Security

- Multi-layered security approach with VPN encryption
- Separate logical networks protecting voice/data privacy
- Physical security, password, and access control
- Change control/patch management policies and processes

AT&T ESInet™ Customer Stewardship 24 x 7 x 365



AT&T Advantage for Public Safety Agencies



Commitment to Public Safety



Ongoing investments in networks and platforms that protect people, infrastructure and information



Experience in Emergency Preparedness Response



Over 100 years in emergency response. A leader in designing, using, and deploying solutions for Public Safety



Shaping the Future with Innovative Technologies



Experts in developing and testing new technologies and in establishing industry wide technology standards



Global Network Cybersecurity Expertise



A network owner with deep experience in the mitigation of security attacks and the development of security solutions



AT&T
Business