



FirstNet Cybersecurity

Protecting the Network that protects America.

The closed-loop public safety network is quickly being replaced by powerful, next-generation communication tools enabled by the Internet. Internet-enabled solutions promise new capabilities for first responders – and new vectors for malicious activity. First responders need to rely on the tools they use to communicate every day without worrying that cyberattacks might impact them.

FirstNet is architected with security at all levels.

The FirstNet Core is designed with a defense-in-depth approach that ensures security at every level. Building on one of the largest IP networks in the world, FirstNet is creating a network dedicated to public safety and the security needs of first responders. Dedicated security engineering and operations teams help to ensure the network is there when first responders need it most.

Trusted, reliable applications.

Today's communications devices do more than just make calls. Mobile applications are an important part of our communication library, and the mobile applications available for first responders are no exception. FirstNet will help to ensure applications that are reliable, robust, and trustworthy.

Security from the ground-up

- A highly-secure, purpose-built network Core.
- Geographical redundancy for high reliability.
- 24x7 monitoring by a dedicated U.S.-based security operations center
- Dedicated engineering and architecture teams ensure security is modern and effective.
- A dedicated application store with secure, reliable applications focused on the needs of first responders.

FirstNet's Cybersecurity benefits



A Secure, Reliable Nationwide Network



Experienced Security Professionals



Trusted, Secure Applications



Encryption and Management Solutions to Fit the Needs of Public Safety



FirstNet Cybersecurity

Securely supporting the mission of public safety

As public safety users move away from closed-loop networks to the technologies of Internet-enabled tools, they face new risks from hackers, pranksters, and bad nation-state actors. Public safety users must have instantaneous communication and that communication must be secure and reliable. A cyber-security solution that establishes a secure network at the cost of delays is not workable; neither is an open approach that puts users at risk. The FirstNet cybersecurity approach prioritizes security effectiveness while ensuring that the mission of public safety – protecting our people and our communities – is never hindered.

An advanced, robust, highly secure architecture

The cornerstone of FirstNet is an established, highly-secure network – one of the largest IP networks in the world. Highly redundant and reliable, the AT&T network reliably and securely serves over 190 petabytes of information every day. AT&T's network includes security at every level, from hardened data center facilities to redundant, highly secure network elements.

This global, world-class network is now being augmented to serve the needs of first responders. The FirstNet network is being built with layers of security at every point – a defense-in-depth approach. Guided by security standards developed from recommendations from NIST, 3GPP, and other standards organizations, the secure domains of the FirstNet Core are geographically redundant in multiple locations across the United States for improved reliability. As new security technologies are developed, they are evaluated and deployed where appropriate to maintain a constant state-of-the-art security posture. Additionally, FirstNet will support encryption in each domain from the radio network to the Core – a first in a network at this scale.

24x7 monitoring by trusted, experienced security professionals.

Watching over FirstNet is a dedicated team in the FirstNet Security Operations Center (SOC). The US-based FirstNet SOC is composed of experienced security professionals, with a range of specific security certifications and clearance levels. This team enables continuous monitoring of the security posture of FirstNet, ensuring that threats are assessed and mitigated before they become trouble.

©AT&T and Globe logo are registered trademarks and service marks of AT&T Intellectual Property. FirstNet, First Responder Network Authority, and FirstNet logo are registered trademarks and service marks of FirstNet, an independent authority within the U.S. Department of Commerce. All other marks are the property of their respective owners.



As the FirstNet SOC works closely with the AT&T Global Network Operations Center, they will have visibility into the network from best-in-class tools supporting a world-class network. These tools today provide data from hundreds of thousands of network devices and billions of network events to give unprecedented visibility into the health of the network. These tools allow the SOC to monitor, investigate, and communicate quickly and accurately.

Supporting the FirstNet SOC is a team of dedicated engineering, strategy, and planning personnel, focused on the mission of public safety, first responder needs, usability, and operational security. They are also supported by AT&T's team of over 2,000 security professionals in network security, threat analytics, mobile security, automation, information assurance, and other specializations. These teams help to ensure that the network will remain highly secure when first responders need it most.

FirstNet's reliable security enables first responders to focus on public safety.

Application security you can depend on

Mobile applications are an exciting opportunity for first responders to leverage new tools to do more, faster than ever before. Recognizing this, FirstNet is supporting a robust application ecosystem built against a strong, mature security governance model. FirstNet will balance stringent development and certification processes against an ecosystem that is open and accessible. Applications that undergo testing and certification will be best-of-breed; applications that first responders can trust to be highly secure, robust, and reliable.

