goTenna PRO

BSTC Website Capabilities Statement Application

goTenna is the world's leading mobile mesh networking company and provider of off-grid connectivity solutions for smartphones and other devices. goTenna's mesh networking protocol, Aspen Grove™, is embedded into lightweight, low-cost devices and paired with easy-to-use mobile apps enabling mobile, long-range connectivity even without cell, wifi, or satellite. goTenna's mesh technology enables decentralized, programmable mobile infrastructure on a global scale in markets ranging from public sector to enterprise and IoT.

goTenna's proprietary mesh networking technology currently supports over 350 customer organizations around the world. Our industry-leading solutions currently support the Border Patrol Tactical Unit (BORTAC) within the U.S. Border Patrol (USBP), while additional deployments to support up to 60,000 tactical and field agents are being field tested.

With the introduction of software applications like the Android Team Awareness Kit (TAK), federal law enforcement operating environments have become increasingly mobile, demanding real-time situational awareness and command and control. Paired with existing mobile end user devices (EUD), goTenna Pro X mesh networking radios provide extended deployment visibility in off-grid and comms-denied environments where traditional cell, satellite, and Internet networks are unavailable or not economically viable.

From recent field testing on the U.S southern border to full-scale tactical deployments, goTenna's technology has proved its value as an essential long-range transport layer for short-burst TAK data, providing the following operational benefits in the most austere environments:

- **Scalability:** goTenna Pro X devices act as individual ad hoc network nodes, providing a scalable and reliable mesh communications system that can adapt to any terrain or operational conditions.
- **Interoperability:** goTenna Pro X devices support seamless backhaul of off-grid ATAK data to existing cell, satellite, and RF communications systems.
- **Safety:** goTenna Pro X's cost-effective and lightweight form factor enables deployment down to the individual operator, ensuring near real-time situational awareness of every agent's location in previously disconnected environments.
- **Efficiency:** goTenna Pro X provides command with enhanced accountability for agent locations, allowing operations to be conducted more efficiently and effectively
- **Security:** goTenna Pro X's short-burst transmissions are fully encrypted, and less likely to be detected during more covert operations.

The opportunity to work extensively with CBP personnel, learning from their current operations and understanding longer-term needs, has also shaped future product development at goTenna. As a member of the Border Security Technology Consortium, we hope to broaden our relationships with existing technology and academic partners in order to pioneer new network solutions.