



Wireless Technologies

Engineering Services

UAV Communications Wireless Division provides engineering and administration of wireless communications technologies. We design and support solutions for military, government, industry, and first responder customers who require high reliability and quick access to voice, video, and data.

Critical Customer Support

For battlefield users and First Responders who rely heavily on wireless communications for life-saving voice, video, and data, we provide technical and operational expertise on domestic and international technologies, migrating to standards-based solutions whenever possible. We assist from the initial requirements definition through system deployment and follow-on operations and maintenance with services such as:

Wireless System and User Requirements Definition

Fixed and Mobile Interoperability between Different Systems

Mesh Network and Hotspot Planning and Implementation

Frequency Management, Site Planning, and Coverage Prediction

Installation Services — Engineers, Technicians, and Network Designers

Site Surveys — Transmit Sites, Grounding Systems, Dispatch Centers, Towers, and Backhaul Links

System Upgrades (Hardware, Software, and Firmware)

Frequency Band Migration and Upgrades

Implementation of or Migration to Open Standards

Land Mobile Radio (LMR) Technology (Project 25, TETRA, & IP-based solutions)

WiFi, WiMAX, 802.11 Planning and Integration

24/7 Network Support

End User and System Administrator Training

Integration and Interoperability

Our vision for wireless system support is to make the most effective use of current or to-be-installed systems, ensuring the highest possible levels of service, reliability, and coverage for the wireless end user in a cost-effective manner. We also strive to provide interoperability between first responders of different agencies on a daily and as-needed basis by completing the technical, procedural, and bureaucratic preparations necessary to provide that interoperability when it is most needed.

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