



The Deep East Texas Council of Governments (DETCOG)

Safety, Security and Quality of Life in Deep East Texas

Supporting the 4.9GHz public safety band and facilitating P25 system connectivity, RADWIN's wireless broadband solutions enables DETCOG to implement multi county interoperability between first responder communication systems during emergency situations.

Overview

As part of its commitment to improving safety and enhancing quality of life for its citizens, the Deep East Texas Council of Governments (DETCOG) spearheaded the implementation of multi-county interoperability between police, fire and other emergency services to enable first responders, from different disciplines and jurisdictions to effectively respond to emergency situations.

This Federally funded implementation is being carried out in compliance with the Project P25 standards and in line with the Federal Communications Commission (FCC) mandate to increase radio spectrum efficiency, or "Narrowbanding," in public safety business licensees.

The Challenge

The wireless broadband connectivity specifications demanded by the manufacturer of DETCOG's P25 base stations, EF Johnson, were extremely strict in order to achieve true real-time communications. Flexible radio planning was also important to support a smooth evolution and minimizing of CAPEX.



The Customer

The Deep East Texas Council of Governments (DETCOG) is a voluntary association of counties, cities, independent school districts, river authorities, soil and water conservation districts, hospital districts and sustaining private industry members in a 12 county region of deep east Texas. DETCOG's mission is to improve quality of life, security and to encourage development.

www.detcog.org

The Integrator

Nalcom Wireless Communications is a leading supplier of wireless communications products and services in the east Texas area. Nalcom Wireless Communication's wide offering of products and services positions the company to offer real solutions for critical issues at reasonable prices.

www.nalcomwireless.com

The Solution

RADWIN 2000 L and C series radios supporting the 4.9GHz frequency band answered the need for true real-time communications with extremely low latency and high QoS. In addition, the RADWIN solution proved to be highly cost-effective for DETCOG.

RADWIN's multiband radio capabilities allowed for flexible radio planning during initial network deployment and for future network evolution. The multiband offering dramatically reduces operational efforts when changes to the operating band are required. DETCOG will continue to benefit from this flexibility throughout the network life cycle.

"We have installed the P25 interoperable software in 5 repeater systems and all is working flawlessly. We are also using the RADWIN links to connect repeaters to other systems well as the associated voters with 100% success".

Ronny Johnston
Wireless Dynamics
DETCOG Consultant

The Result

RADWIN solution helped DETCOG ultimately facilitate reliable P25 system connectivity for delivery of high bandwidth demanding applications to enhance first responder's performance. The deployment enables seamless and cost effective migration to P25, inter agency connectivity and data security applications to ensure full situational awareness, better decision making and inspire confidence and security for the areas citizens.

Why RADWIN

- » Cost Effective, High Capacity Wireless Broadband for Public Safety
- » Hybrid TDM and IP for seamless migration to all IP P25 and data security applications
- » Up to 200 Mbps net aggregate throughput
- » Native TDM (up to 16 E1s/T1s) + Ethernet
- » Multiband radio support for flexible radio planning
- » Extremely robust, operating in nLOS, high interference and harsh weather
- » Simple to install and maintain

About RADWIN

Delivering best of breed wireless connectivity solutions, RADWIN is committed to providing a complete offering for the Sub 6GHz domain. Recognized as the market leader, RADWIN provides competitively priced products that achieve unmatched reliability, flexibility and installation simplicity. Deployed in over 130 countries around the world, RADWIN's success is due to swift delivery of high quality wireless connectivity products that secure unrivaled performance for broadband access, backhaul connectivity, private networks and specialized broadband mobility applications.

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