Wireless Broadband Solutions for Federal Markets at AFCEA West

Cambium Networks reinforced the company's commitment to providing federal markets with the most reliable, secure wireless connectivity solutions that also meet the stringent requirements of military or government in-field deployments. Today at the opening of the AFCEA West conference in San Diego, Cambium is showcasing two products — the Cambium PTP 600 Series and the new Cambium RDB 350 Rapid Deployment Wireless Broadband product — both field proven and designed to meet performance, security and environmental requirements of government applications.

PTP 600 Series Added to UC APL List
The company also announced today that its PTP 600 Series of Point-to-Point (PTP) fixed broadband solutions has been certified for use by the Department of Defense (DoD) Defense Information Systems Agency (DISA) as an approved product on the Unified Capabilities (UC) Approved Products List (APL). Already widely used for fixed and nomadic communications on military test range applications and previously validated by the National Institute of Standards and Technology (NIST) as FIPS 140-2 compliant, the PTP 600 Series includes the PTP 45600 product, which is considered the primary wireless transport solution for many theatre-deployed situation awareness programs for the U.S. ARMY, U.S. Navy and U.S. Marine Corps.

"Gaining UC APL status for our PTP 600 Series is a momentous achievement for our team at Cambium Networks and a huge endorsement of the quality and strength of our products, as well as the investments Cambium has made in creating products designed to meet federal and in-field requirements for use," said Tony Cecchin, vice president, Product & Business Operations, Cambium Networks. "In addition to our current deployments in federal agencies, UC APL listing status assures our customers that Cambium's products are designed with the interoperability and information assurance specifications required to meet military grade applications."

The only commercially available broadband wireless Fixed Network Element (F-NE) solution currently certified on the UC APL, the Cambium PTP 600 Series provides high connectivity and backhaul, even in the most challenging non-line-of-sight environments. The PTP 600 Series includes both licensed and unlicensed solutions for a variety of bands serving the U.S Federal, Military and NATO agencies and public safety sectors. Designed to support the most stringent requirements possible, the PTP 600 Series provides cost-effective, high-throughput regardless of conditions. With data rates up to 300 Mbps and reaching distances up to 124 miles, these secure fixed wireless products make connectivity and backhaul a reality in challenging environments where having reliable, long-range access is critical for operations to run smoothly and securely.

With UC APL status, users are now guaranteed that the PTP 600 Series meets specifications required for military and federal applications to support battlefield communications, convoy mobility, video surveillance and sensor networks, at-the-halt or on-the move operations, border backbone, long range and tactical military operations, and military base modernization.

“As a VAR that works closely with federal markets, it’s critical for Future Tech’s success to have a UC APL accreditation when selling new products into the military sector,” said Nino Canu, president, Future Tech. “As a partner and reseller of Cambium’s wireless products, we have great confidence in the strength and reliability of their broadband PTP offerings. Adding UC APL certification just proves even further that the PTP 600 Series is one of the strongest products on the market for wireless access in any market, federal or commercial.”

Introducing RDB 350
Purpose-built for use in defense applications, RDB 350 is a rapid deployment broadband wireless solution delivering near- and non-line-of-sight point-to-multipoint connectivity in both at the halt (ATH) and on the move (OTM) environments. The product leverages secure, industry-standard 4G 802.16e WiMAX technology in a ruggedized MIL-STD-810G, all-outdoor package. Using the 4.4 to 5.0 GHz U.S. Federal and NATO Band IV spectrum, agencies can deploy a variety of broadband applications such as 4G convoy mobility with speeds up to 80km per hour, garrison wireline replacement, and video surveillance and sensor networks. The RDB 350 is a light infrastructure platform that does not require core network servers and can be deployed and online in less than an hour. With a variety of channel bandwidths (10, 7, 5, 3.5), communications officers have a large degree of freedom when deploying in heavily congested areas.

“Our new Rapid Deployment Broadband product combines the legacy reliability and scale of Cambium’s PTP and PTMP technologies into a 4G standards-based, rugged wireless solution designed especially for situations and environments where fast, capable connectivity is critical,” said Scott Imhoff, director, business development, Cambium Networks. “Designed especially with the needs of federal agencies in mind, RDB 350 provides a rapidly deployable wireless solution that not only provides the performance necessary for federal applications, but with lower cost of ownership.”

Co-sponsored by AFCEA International and the U.S. Naval Institute, West 2012 is the largest event on the West Coast for communications, electronics, intelligence, information systems, imaging, military weapon systems, aviation, shipbuilding and more. For more information, please visit: www.afcea.org/events/west/12/introduction.asp [1].

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