



press release

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Ultra Electronics Holdings plc
("Ultra" or "the Group")

Ultra's ORION radio performs well in US Army trials

June 10, 2014 - Montreal, Canada — Ultra Electronics reports it has completed a successful capability demonstration of the ORION GRC-245C radio during the U.S. Army Network Integration Evaluation 14.2. The radios were issued to 86th Expeditionary Signal Battalion (ESB) as part of PM WIN-T's ESB proof-of-concept in the first quarter of this year. Soldiers in the 86th ESB employed the radio in challenging field conditions establishing point-to-point links with a capability of up to 200 Mbps throughput and point-to-multipoint links at distances up to 30 km without difficulty; a first for a high capacity line-of-sight (LOS) radio like the GRC-245C.

Soldiers from the unit lauded the new radio as simple to use and reliable. During the short period of training Maj. Rickie Meers, the battalion operations officer, stated "These new LOS radio systems are lighter and easier to set up, so it will make it easier to deploy; throw them in the back of a truck or on an airplane and you're gone. The bandwidth is exponentially better. I started 10 years ago and you wouldn't even have thought about having 200 megabits going through a LOS system; it's just great." Once links were established there were zero outages despite extreme winds and dust storms on a daily basis demonstrating the strength of the radio's design. Soldiers with very little training time on the system could establish required communications links within all objective time constraints.

Ultra also demonstrated the interoperability of the [GRC-245](#) radio with existing WIN-T network assets by closing point-to-point links with a TRC-190 (v)3 to connect aviation assets at the brigade's tactical operation center. Using a single, small form factor radio, units were able to simultaneously establish a point-to-point radio link on one channel in frequency Band 3, and a point-to-multipoint link on another channel in frequency Band 4, and still have the availability of a secure Wi-Fi channel. One of the Army team members described the GRC-245C as capable of being the "Magic Radio" they needed because of the high combined throughput capability, the diversity of software defined waveforms, and the ability to operate simultaneously in both Band 3 and Band 4 of the frequency spectrum.

Rakesh Sharma, Chief Executive of Ultra, commented:

"We are proud to support the U.S Army's Signal Modernization efforts and evolution towards a truly expeditionary communication network while maintaining interoperability with thousands of Ultra Electronics AN/GRC-245A/B HCLOS radio assets."

– Ends –

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Further information about Ultra:

Ultra Electronics is a group of businesses which manage a portfolio of specialist capabilities, generating highly differentiated solutions and products in the defence & aerospace, security & cyber, transport and energy markets by applying electronic and software technologies in demanding and critical environments to meet customer needs

Ultra has world-leading positions in many of its specialist capabilities and, as an independent, non-threatening partner, is able to support all of the main prime contractors in its sectors. As a result of such positioning, Ultra's systems, equipment or services are often mission or safety-critical to the successful operation of the platform to which they contribute. In turn, this mission-criticality secures Ultra's positions for the long term which underpins the superior financial performance of the Group.

Ultra offers support to its customers through the design, delivery and support phases of a programme. Ultra businesses have a high degree of operational autonomy where the local management teams are empowered to devise and implement competitive strategies that reflect their expertise in their specific niches. The Group has a small head office and executive team that provide to the individual businesses the same agile, responsive support that they provide to customers as well as formulating Ultra's overarching, corporate strategy.

Across the Group's three divisions, the major market sectors in which Ultra operates are:

Defence: Ultra supplies advanced electronic and electrical systems and equipment to coalition defence forces around the world. The Group innovates to provide battle-winning, specialist capabilities that are tailored to the customer's need and environment. Ultra has world-class capabilities in sonar systems, command & control, platform electrics, surveillance systems and network communications solutions.

Security: Ultra provides highly differentiated systems and capabilities to the broad security, intelligence and cyber market. Ultra has highly specialised capabilities in secure communications, networks and cryptographic equipment, key management systems and surveillance systems and intelligence gathering systems.

Transport: Ultra provides specialist software, systems and equipment for use in mass passenger transport systems. This includes high integrity real-time controls for civil aircraft, advanced IT solutions for modern airports and trackside power equipment for transit rail systems.

Energy: Ultra has a range of safety critical sensors and controls used in existing and new build nuclear reactors. The Group has innovative portable energy sources powered by readily available propane gas.