

S&TCD Demonstrates Latest Cellular Communications Technology



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Date: August 30, 2005



Ben Foresta, Team Leader for the PCS Program, sets up for his demonstration of the PCD for MG Nadeau.

Communications Electronics Research Development and Engineering Center's (CERDEC) Space & Terrestrial Communications Directorate (S&TCD) recently demonstrated to U.S. Army's Research, Development & Engineering Command's (RDECOM) Major General Roger A. Nadeau their latest development—the Personal Communications Device (PCD).

The PCD is designed to be a secure, 3rd generation (3G) cell phone device capable of transferring secure voice, high speed data, and image and position location throughout the digital battlefield. The PCD is

supported by a downsized cellular basestation which, like the small handset, is also designed to be highly mobile. This allows units to maintain constant use of the PCD and its associated features regardless of the unit's location.

S&TCD, working with their commercial industry partners, have developed and demonstrated downsized 3G cellular equipment and the infrastructure needed to support the PCD device.

Benjamin Foresta, Team Leader for the Personal Communications System (PCS) Program, demonstrated the secure call capabilities of the system as well as video and data services that the PCD provides to the individual Warfighter to MG Nadeau. Foresta explained that S&TCD was testing these PCD technologies to determine their operation suitability, in a live field environment on its Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) Testbed, located at Ft. Dix, NJ. The solution sets demonstrated are candidates for use by Program Manager Warfighter Information Network – Terrestrial (PM WIN-T). The demonstration is a precursor to a full scale demonstration scheduled to occur on the C4ISR Testbed in the third week of September. The demo also served as a reminder of CERDEC's role in supporting major army programs enabling the PM's to more quickly field technologies to the Warfighter.

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