



# News Release

Joint Program Executive Office, Joint Tactical Radio System

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## JPEO JTRS Announces Delivery of SRW v1.0c to JTRS Information Repository

San Diego – The Joint Program Executive Office Joint Tactical Radio System (JPEO JTRS) Network Enterprise Domain announces the delivery of the Soldier Radio Waveform (SRW) v1.0c Unattended Ground Sensor (UGS)/Non-Line of Sight (NLOS)/Soldier System (SS) software release package to the JTRS Information Repository, making it available to Department of Defense and commercial industry-wide authorized users.

“Delivery of SRW capability is an absolutely essential enabler in achieving the JTRS Enterprise vision of delivering networking capability to warfighters at the tactical edge,” says Navy Capt. Jeff Hoyle, JTRS Network Enterprise Domain Program Manager.

The delivery follows the successful completion of the Formal Qualification Testing (FQT) for the SS domain version of the SRW in January 2009 and the successful FQT for the UGS/NLOS domain variant in September 2008. SRW v1.0c (UGS/NLOS/SS) is now the first formally qualified JTRS Increment I networking waveform that provides voice, data, and video to the tactical edge for sensor, handheld, man-pack, vehicular and airborne radio sets (multiple form factors) for multiple JTRS product lines.

This release is a major milestone toward establishing SRW on JTR sets to provide voice, data and video tactical communications services to echelons at battalion and below in support of network-centric operations. The SRW capabilities will increase the combat effectiveness of individual warfighters and small combat units by improving command and control and battlefield situational awareness during mounted and dismounted ground operations.

“SRW v1.0c delivers an order of magnitude increase in secure throughput for voice, video and data that can be packaged in software-defined radios as small as a hockey puck to enable Internet Protocol networking of individual soldiers, sailors, airmen and marines, as well as small, unmanned ground and air sensors and vehicles,” according to Hoyle. “SRW networks on JTRS-compliant radios will ensure the Army or Marine corporal making tactical decisions on the urban battlefield does so with a fuller understanding of the strategic and operational implications of those decisions.”

Porting efforts are underway for multiple defense communications software-defined radios, including the JTRS Handheld/Manpack/Small Form Factor and Ground Mobile Radio platforms. Establishing SRW on these radio platforms is critical to achieving the operational vision of the Army’s Future Combat System and providing a robust networking capability down to the individual soldier, sailor, airman and marine engaged in tactical field operations.

This event will help enable the DoD's shift from the legacy Enhanced Position Locations Reporting System (circa 1990) and Single Channel Ground and Air Radio System (circa 1980) waveforms to a more bandwidth efficient waveform in SRW. SRW also supports Army plans to provide troops a wearable radio by 2011 that can carry voice and data signals farther than current devices, using a higher-bandwidth waveform to enhance connectivity and situational awareness.

### **About JPEO JTRS**

The Joint Tactical Radio System, headquartered in San Diego, Calif, was initiated in early 1997 to improve and consolidate the Services' pursuit of separate solutions to replace existing legacy radios in the Department of Defense inventory. The JTRS program has evolved from separate radio replacement programs to an integrated effort to network multiple weapon system platforms and forward combat units where it matters most – the last tactical mile. JTRS will link the power of the Global Information Grid to the warfighter in applying fire effects and achieving overall battlefield superiority.

JTRS is developing an open architecture of cutting edge radio waveform technology that allows multiple radio types (e.g., handheld, aircraft, maritime) to communicate with each other. The goal is to produce a family of interoperable, modular software-defined radios which operate as nodes in a network to ensure secure wireless communication and networking services for mobile and fixed forces. These goals extend to U.S. allies, coalition partners and, in time, disaster response personnel.