News Release

Joint Program Executive Office, Joint Tactical Radio System
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JPEO JTRS Releases Waveform Portability Guidelines

SAN DIEGO – The Joint Program Executive Office for the Joint Tactical Radio System (JPEO JTRS) announced today that the JTRS Network Enterprise Domain (NED) Program Office has released the JTRS NED Test and Evaluation Waveform Portability Guidelines. This document provides guidance and lessons-learned for waveform developers on producing waveform software that can be readily ported to multiple Software Communications Architecture (SCA) - compliant radio platforms.

JTRS is unique among Department of Defense acquisition programs in establishing the programmatic goal of procuring waveform application software in a form that can be ported to different Joint Tactical Radio platforms at a cost considerably lower than that for new development. Waveform portability is a key attribute of the JTRS program because it reduces cost, permits faster technology insertion, guarantees interoperability between radio families, and reduces training and maintenance.

The document details general development guidelines in addition to specific guidance for General Purpose Processor, Digital Signal Processor, and Field Programmable Gate Array processing elements. JPEO JTRS desired to make this information available to the at-large software defined radio industry and it is also mandatory for all JTRS developers to follow the guidelines. The document is available for download at the JPEO JTRS SCA website, http://sca.jpeojtrs.mil/.

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About JPEO JTRS

The JPEO for JTRS, 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 disaster response personnel.