

Special Operations Forces

Industry Conference



Transport Systems Division Chief

C4 COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

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Transport

- Wide Band SATCOM On-The-Move
- Deployable/mobile 3G/4G/LTE/Wi-Fi/Wi-max infrastructure
- Next generation crypto products
- Next generation baseband products
- Mobile SOF Strategic Entry Point (MSSEP) requirements
- Full Motion Video (FMV) Transport Infrastructure



SCAMPI



PDS



SDN

Transport

Mobile SOF Strategic Entry Point (MSSEP)

Requirement: SDN-H CPD, 9 Jan 09

- Provides theater with deployable SSEP capability
- Quad-band capable (X, C, Ku, Ka band) Light Weight, Medium Aperture Antennas
- Unclassified and classified voice, data, VTC, and video services
- Video storage, VTC bridge, and switching capabilities



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SATCOM On the Move (SOTM)

Requirement: SDN-M CPD, 16 Jan 07

- High bandwidth, SATCOM ,Transport Capability
- Secure voice, data, and FMV situational awareness
- Desired
 - Modular and tailorable packaging
 - Non-invasive
 - Low profile
- SOF Information Environment reach-back from a mobile platform
- IP-based technology
- Variants
 - Wideband SOTM-Afloat
 - Wideband SOTM-Ground



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SCAMPI Future Technologies

Requirement: SCAMPI CPD

- Implementation of IPv6
- Everything over IP (EoIP) VTC
- Quality of Service for Network
- Standard Acceleration support
- Network Boundary Defense
- Secure Voice, Data, and FMV situational awareness



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Tactical Comms Division Chief

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Tactical Comms

- Blue Force Tracking (BFT) coverage and form factors
- Next Generation Tactical C3I (NGTC3I)
- Network extension and flexibility
- Hand-held device size and capability
- Mobile computing devices, infrastructure, and App capabilities

The central graphic is a large green rounded rectangle containing several sub-images and labels:

- STC (Software Defined Radio):** A group of four images showing various handheld and rack-mounted radio units.
- BFT (Blue Force Tracking):** A group of three images showing a handheld device, a laptop, and a rack-mounted unit.
- JTCITS (Joint Tactical Communications Interoperability Testbed):** An image showing a laptop, a handheld device, and various cables.
- RIS (Radio Interference System):** An image of a rack-mounted electronic warfare system.
- ASOMS (Advanced Soldier Operating System):** An image of a laptop displaying a tactical interface with a red arrow pointing to a target.
- Mobile Computing Initiative:** A diagram showing four layers of technology: Applications (top), Data Network, Systems, and Hardware (bottom). A vertical double-headed arrow on the right is labeled "Key Functions".

Tactical Comms

NGTC3I

- **Next Generation Tactical C3I**
 - Will provide next generation radios to meet requirement for five form factors under STC (MP, HF, HH, IND, MCD)
- **Interim Solution**
 - USSOCOM CIO memo of April 2010
 - Follow-on contracts awarded in April 2012
- **Several Cooperative Research and Development Agreements (CRADA)**
- **Plan to release second RFI late-FY12 / early-FY13**
 - RFP later FY13 based on RFI results



JTCITS

- Revised CPD in staffing
- Secure Wireless Mobile Ad-hoc Networking (MANET) RFI to be posted in FEDBIZOPS in Apr 2012
 - Man-portable, Airborne, and Fixed
 - High throughput (up to 30 Mbps) wireless network without relying on existing fixed infrastructure
 - Multiple bands
 - Software configurable
- Developing acquisition strategy for FY13 procurement based on final CPD and FY12 RFI responses



Mobile Computing Initiative

- Provide SOF users secure access to SIE, SOF Apps, and data via
 - Authorized App repository and data sources
 - COTS smart device through commercial and US Government wireless networks
- Expanding BlackBerry and Playbook capabilities to reflect current DISA STIG
 - Experimentation and Testing of Capabilities
 - Evaluate Mobile Device Management Applications



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