Special Operations Forces Industry Conference

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Tactical Wide Band SATCOM Efforts

C4 Command, Control, Communications, and Computers
SOF Deployable Node (SDN) Family of Terminals Upgrade

• Projected Requirements
  – Sub-one meter SDN-Lite remains same as legacy, Ku-Band only
  – Replace 1.0-meter SDN-Medium (SDN-M) with more capable 1.2-meter Tri-Band (X, Ku, Ka)
  – Replace 2.4-meter SDN-Heavy (SDN-H) with smaller footprint 2.0-meter Quad-Band (C, X, Ku, Ka)
  – Common GUI across all variants; Common maintenance & training documents
  – Integral iDirect (TDMA)
  – Procurement will meet support new BOI and CERP requirements
SDN Family of Terminals Upgrades

• Consolidate common requirements across all variants
  – Temperature, 810G
  – Transportability (two-person lift IAW MIL-STD-1472)
  – MTBF, Availability
  – No tools for assembly/disassembly

• Apply variant-specific requirements as required
  – Throughput
  – Frequency Bands
  – System Weight/Volume
  – Set-up/Teardown Times (frequency band reconfiguration time)
SDN Family of Terminals

- **Actions to Date:**
  - Special Notice on FEDBIZOPS for SDN-M J&A Dec 2010
  - SDN/PDS Family of Terminals Contract
    - Announced pending re-compete Dec 2010
    - RFI posted Feb 2011
    - RFP package in development

**Acquisition Strategy**
- Full and Open Competition
- Single award, 5 year IDIQ contract

**Period of Performance**
- Jan 2012 through Dec 2017

**Milestones**
- Jul 2011 RFP Release
- Jan 2012 Award

**Point of Contact**
SORDAC-KI

**Funding**
- $500M ceiling

**Current Contract/OEM**
- H92222-D-06-0007
- L-3 Global Communications Solutions, Victor, NY
SDN Extension Packages

Requirement: SDN-M CPD, 16 Jan 07

- Line of Site Technology Radios (4.4GHz Military Band and 5.8GHz ISM Band Options)
- Tropospheric Technology
- 3G/4G Deployable Cellular Site, Tactical Network Topology (TNT) Experimentation

Request For Information
Mobile SOF Strategic Entry Point (MSSEP)

Requirement: SDN-H CPD, 9 Jan 09

- Provides theater with deployable SSEP capability
- Quad-band capable (3.9-meter X, C, Ku, Ka band)
- Light Weight, Medium Aperture Antenna
- Unclassified and classified voice, data, VTC, and video services
- Video storage, VTC bridge, and switching capabilities
SATCOM On the Move (SOTM)

Requirement: SDN-M CPD, 16 Jan 07
- High bandwidth, SATCOM, Transport Capability
- Secure voice, data, and FMV situational awareness
- Modular and tailorable packaging
- SOF Information Environment reach-back from a mobile platform
- IP-based technology
- Variants
  - Wideband SOTM-Afloat
  - Wideband SOTM-Ground
Questions?