Special Operations Forces Industry Conference

Mr. Tony Davis
Program Executive Officer for C4
Portfolio Review and APBI

C4 Command, Control, Communications, and Computers
Organizational Structure

PEO C4
(Tony Davis)

Deputy PEO C4
(Deb Woods)

Admin Assistant
(Lu Sardo)

Lead Systems Engineer
(Gaylen Ordway)

Enterprise Networks
(LTC George Padilla)

- C4IAS
- DDC
- SOCRATES
- TACLAN

Tactical Comms
(Val Torello)

- BFT
- JTCITS
- JBS/RIS
- STC

Transport
(Eric Barnes)

- SDN/PDS
- SCAMPI

Business Tools
(Scott Brown)

- ASOMS
- SORBIS

MISO/CA
(Caryn Bain)

- CIMDPS
- FABS
- MPC
- NGLS
- MPS
- PACE
- SORMS-B

BFT – Blue Force Tracking
C4IAS – C4 Intelligence Automation System
CA - Civil Affairs
CIMDPS - Civil Information Management Data Processing System
DDC - Distributed Data Center
FABS - Fly Away Broadcast System
RIS - Radio Integrity System
JTCITS - Joint Tactical C4I Transceiver System
MISO - Military Information Support Operations
MPC - Media Production Center
MPS - MISO Print System
NGLS - Next Generation Loudspeaker System
PACE - Planning and Analysis Collaborative Environment
PDS - Product Distribution System
SCAMPI - Not an Acronym
SDN – SOF Deployable Nodes
SOMS-B - Special Operations Media System – Broadcast
STC - Special Operations Forces Tactical Communications
TACLAN - Tactical Local Area Network
## SITEC Source Selections Schedule

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- ★ Proposals Due
- ♤ Evaluation
- Basic Award
- Mini Evals
CIO Wireless Vision

Across the globe, in all roles, on the move and at the halt

CONUS  In Transit  Forward Operating Base  In Transit  Operations

Service-common

Commercial

SIE

Fixed Facility  Dismounted Operations

App Store  Any Device

C4 Command, Control, Communications, and Computers
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
NGTC3I

• Next Generation Tactical C3I
  – Will provide next generation radios to meet requirement for five form factors under STC (MP, FM, HH, HF, IR)

• Interim Solution
  – USSOCOM CIO memo of April 2010
  – Follow-on contracts being worked; Planned Award Oct 2011

• Several Cooperative Research and Development Agreements (CRADA) in staffing

• Plan to release second RFI mid-FY12
  – RFP later FY12 based on RFI results
JTCITS

• Revised CPD in staffing, based on FY10 RFI and FY11 Limited User Testing

• Second RFI posted in FEDBIZOPS on 18 Mar 2011
  – Smaller, lighter form factor
  – Encryption
  – Multiple bands
  – Software configurable
  – Multiple display options

• Developing acquisition strategy for FY12 procurement based on final CPD and FY11 RFI responses
Enterprise Networks

- Cloud Computing and Thin Client
- Virtualization of storage and servers
- Distributed Data Center optimization
- Video distribution, storage, and mgmt
- Enterprise management tools
- Caching and acceleration
- Green IT
## C4IAS/SOCRATES

- Technology Refresh Support for USSOCOM Garrison IT Infrastructure
  - Workstations
  - Storage
  - Switching Equipment
  - Servers
  - Non-Microsoft Software – new and maintenance for existing

### Acquisition Strategy
- Small Business Set-Aside

### Period of Performance
- One Year Base
- Four 1-Year Options

### Milestones
- Contract Award: Estimate 2QFY12

### Point of Contact
- SORDAC-KH

### Funding
- FY12-17 Procurement; O&M; RDT&E
- Contract Ceiling: TBD

### Current Contract/OEM
- N/A
**C4IAS**

- **Competitive Multi Vendor Network Infrastructure**
- **Ongoing Efforts:**
  - Reviewing Industry best practices, open source documentation and independent analysis of organizations adopting a multi vendor approach
- **Where We Want To Be:**
  - Economical, sustainable infrastructure without compromising capability
- **Potential Game Changers:**
  - Cross vendor network management tools

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<th>Acquisition Strategy</th>
<th>Period of Performance</th>
<th>Milestones</th>
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<th>Point of Contact</th>
<th>Funding</th>
<th>Current Contract/OEM</th>
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Transport

- Wide Band SATCOM On-The-Move
- Deployable/mobile 3G/4G infrastructure
- Next generation crypto products
- Mobile SOF Strategic Entry Point (MSSEP) requirements
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

- 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
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
**Tactical Local Area Network (TACLAN)**

- Cradle-to-Grave Support for SOF Global Tactical IT Infrastructure
- HW/SW Integration, Production, and Fielding
  - TACLAN Suites (Full & C2)
  - Mission Planning Kits (MPK)
  - Field Computing Devices (FCD)
- HW/SW Baseline Upgrades and Modernization
- Engineering and Lifecycle Sustainment Support

**Acquisition Strategy**
- Small Business Set-Aside under SITEC Tower 7 (C4 Production)

**Period of Performance**
- Three Year Base
- Two 1-Year Options

**Milestones**
- Contract Award: Estimate 4QFY11

**Funding**
- FY11-16 Procurement; O&M; RDT&E
- Contract Ceiling: $500M

**Current Contract/OEM**
- H92222-08-D-0017
  - iGov Technologies, McLean, VA
MISO Broadcast Systems

Current System

FABS V2

Future Needs

- Man Transportable AM Antenna To Support Broadcast Ranges
  - AM 30 Miles
- Miniaturization of the FABS V2 Core Equipment
  - Transportable By Commercial Air
  - Must Weigh Less than 100lbs (Threshold) and 70lbs (Objective)
PACE and CIMDPS

Future Systems

Future Needs

- Advanced Algorithms for Cognitive Science and Applications in:
  - Trends and Themes Over Time
  - Data Mining
  - Behavior Modeling
  - Measures of Effectiveness