

# Special Operations Forces Industry Conference



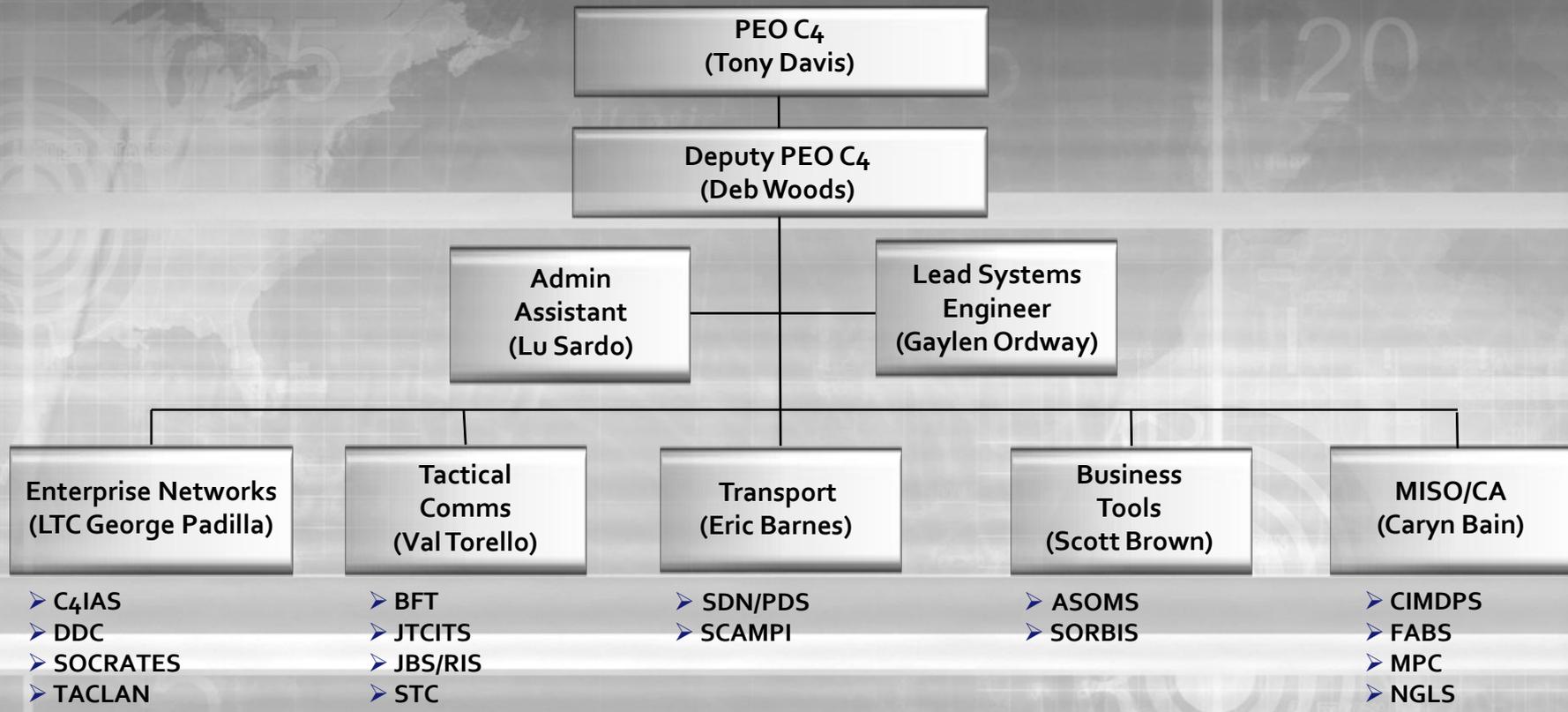
**Mr. Tony Davis**  
**Program Executive  
Officer for C4**  
**Portfolio Review  
and APBI**



**C4 Command, Control,  
Communications, and Computers**



# Organizational Structure



**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

# C4 Program Families

**STC**  
Tactical Comms

**BFT**

**JTCITS**

**RIS**

**TACLAN**

**C4IAS/SOCRATES DDC**  
Enterprise Networks

**USJCSOM WAN Architecture (SCAMP)**

**SCAMPI**

**PDS**

**SDN**  
Transport

**SORBIS**  
Special Operations Resource Business Information System

**ASOMS**

*Business Tools*



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# SITEC Source Selections Schedule

		2011										
		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep		
Enterprise Net			★								Enterprise Net	
Data Center			★								Data Center	
Dist Comp				★							Dist Comp	
IT Service Mgmt (ITSM)					✦			★			IT Service Mgmt (ITSM)	
Specialty Svcs			▲		✦		★ ➔				Specialty Svcs	
App Mgmt					▲ ✦		★ ➔				App Mgmt	
Production						▲ ✦			★		Production	

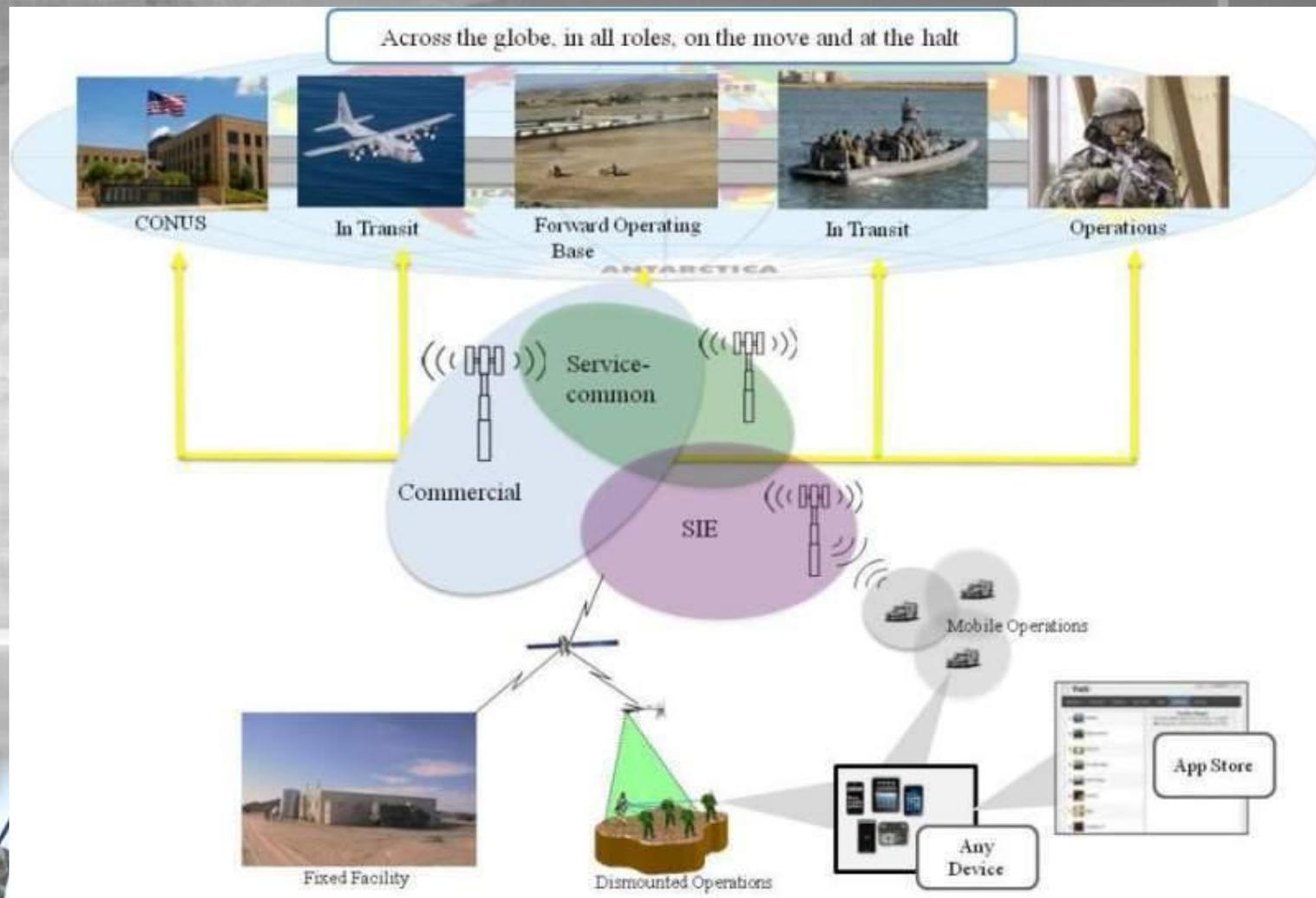
- ▲ Proposals Due
- ✦ Evaluation
- ★ Basic Award
- ➔ Mini Evals



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# CIO Wireless Vision



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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



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# NGTC<sub>3</sub>I

- **Next Generation Tactical C<sub>3</sub>I**
  - 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



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# 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



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# 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



TACLAN

C4IAS/SOCRATES  
DDC

Enterprise Networks



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## 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

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## 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

### Acquisition Strategy

TBD

### Period of Performance

N/A

### Milestones

RFI: May 2011

### Point of Contact

SORDAC-KI

### Funding

TBD

### Current Contract/OEM

N/A

# Transport

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



SCAMPI



PDS



SDN

*Transport*



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# 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



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## 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



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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
- Modular and tailorable packaging
- SOF Information Environment reach-back from a mobile platform
- IP-based technology
- Variants
  - Wideband SOTM-Afloat
  - Wideband SOTM-Ground



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## 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

### Point of Contact

SORDAC-K

### Funding

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

### Current Contract/OEM

H92222-o8-D-0017  
iGov Technologies, McLean, VA

# MISO/CA Program Families



*FABS V2*



*SOMS-B V2*

*Broadcast*



*Print*



*Manpack*



*Ground Vehicle / Watercraft Variant*

*NGLS*



*MPC*



*PACE*



*CIMDPS*



*MPC-Light  
MPC-Medium*



*Deployable Production Kits*

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# 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)

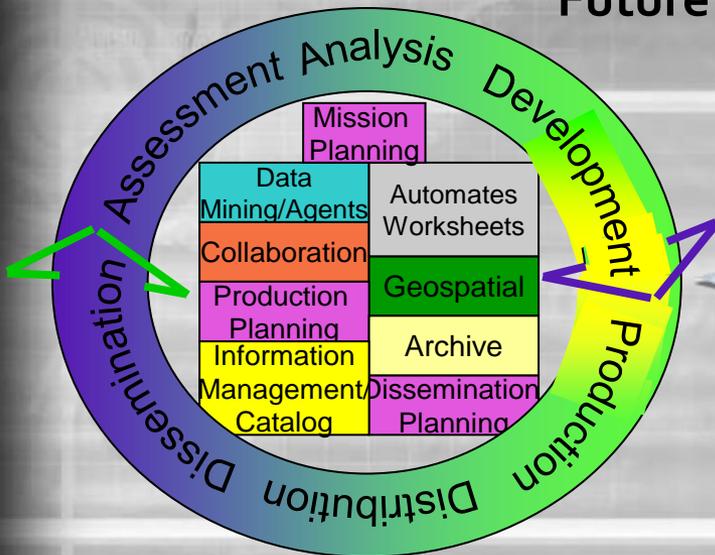


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# PACE and CIMDPS

## Future Systems



PACE

## Future Needs

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



CIMDPS



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