



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Ms. Deb Woods
Program Executive Officer

COMMAND, CONTROL,
COMMUNICATIONS,
AND COMPUTERS

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

Program Executive Office Command, Control, Communications, and Computers

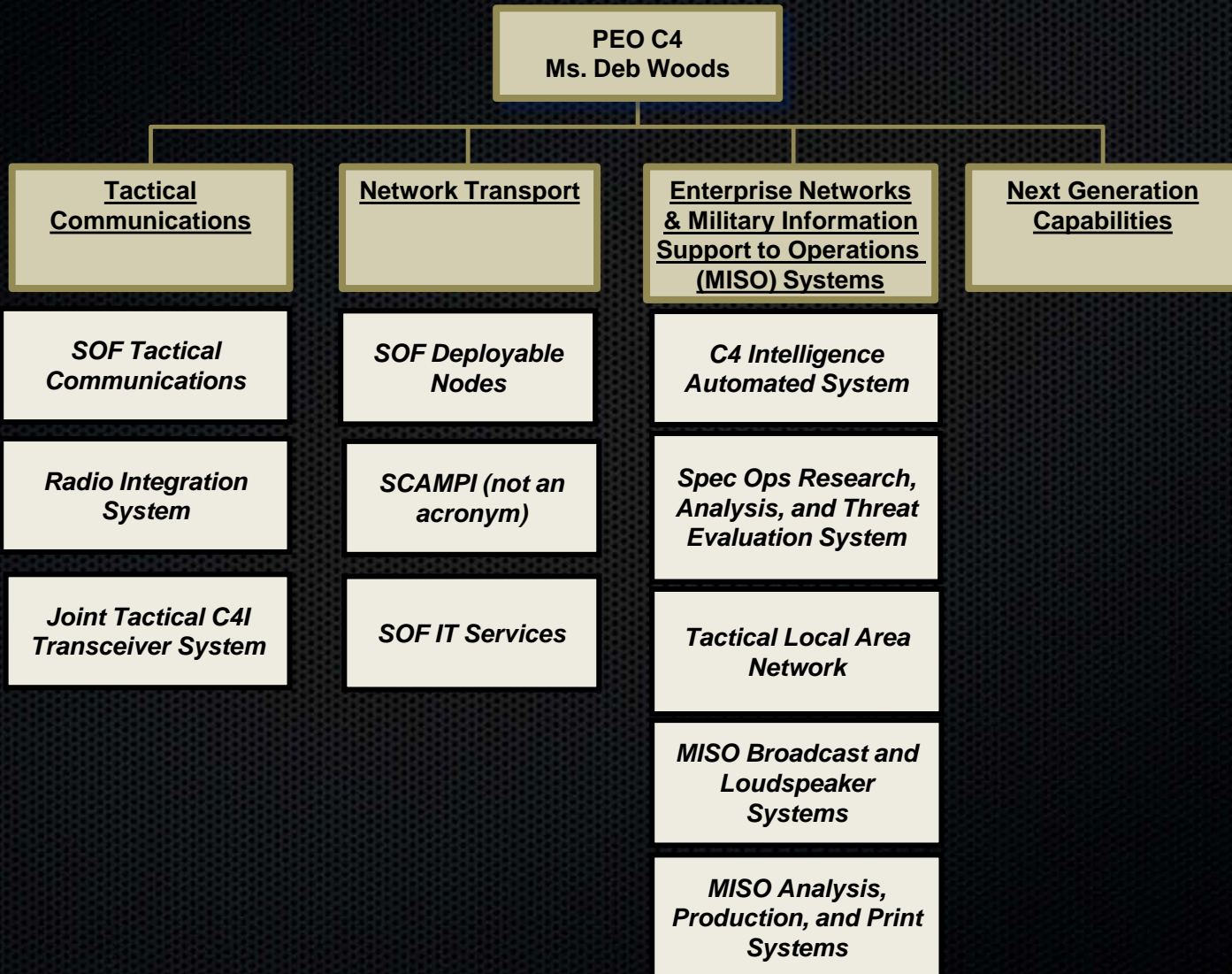
Chief Information Officer's Vision

One Force, One Environment

PEO-C4 Mission

Manage the development, acquisition, fielding, new equipment training, and sustainment of command, control, communications, computers, Military Information Support Operations (MISO), and Civil Affairs systems in support of garrisoned headquarters elements and the deployed warfighter

Program Executive Office Command, Control, Communications, and Computers





SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

**Program Manager,
Tactical Communications
& MISO Systems**

**COMMAND, CONTROL,
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AND COMPUTERS**

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

Tactical Communications and MISO Systems

Tactical Communications



Radio Integration System



SOF Tactical Comms



Joint Tactical C4I Transceiver System

Military Information Support to Operations (MISO) Systems



Fly-Away Broadcast System



Media Production Center



Military Information Support Operations - Print



Next Generation Loudspeaker System



Military Information Support Operations - Enterprise



Long Range Broadcast System

SOF Tactical Communications

- Provides next generation SOF communication systems
- Capabilities include: real time, hostile and friendly force information; Line of Sight (LOS) and Beyond LOS communications; and access to situational awareness in the form of intelligence inputs, broadcasts, and networks
- Family consists of three form factors: 1) Manpack, 2) High Frequency, and 3) Handheld

ACQUISITION STRATEGY

- Operational System in Sustainment with Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- Variable, dependent on variant

MILESTONES

- Post Milestone C, Sustainment & Capital Equipment Replacement

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY16: RDT&E - \$1.7M;
PROC - \$29.6M; O&M - \$15.6M
- FY17: RDT&E - \$1.7M;
PROC - \$29.7M ; O&M - \$17.0M

CURRENT CONTRACT/OEM

- Harris Corp
- Thales Communications Inc

SOF Tactical Communications

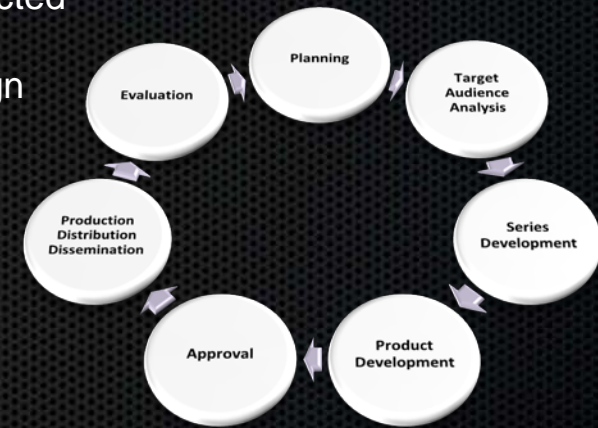
Areas of Interest

- **Dual-channel Communications**
 - Cross-band Communication, Modularity / Flexibility
- **Broadband BLOS (SATCOM)**
 - INMARSAT / MUOS / Man-pack L/S-Bands
- **Low Probability of Intercept / Low Probability of Detection for Beyond LOS**
- **High Bandwidth Technologies**
 - ISR Receive / Distribution, Sensor Feeds, Wideband HF
- **Antenna Profile Reduction**
 - Retain Performance of Current Antennas, Multi-band Support, Better Fit on the Body, Reduced Visual Signature
- **Tactical RF Gateways**

MISO Capability Insertion Opportunities

Special Operations Core Activity

Military information support operations are planned to convey selected information and indicators to foreign audiences to influence their emotions, motives, reasoning, and ultimately the behavior of foreign governments, organizations, groups, and individuals in a manner favorable to the originator's objectives.



Key Capabilities Researched

- Advanced analytic capabilities
- Radio/TV/cellular production / broadcast
- Highly directional audio
- Advanced functional print

ACQUISITION STRATEGY

- Advanced Technology Development

FUNDING

- FY16: RDT&E - \$5.1M
- FY17: RDT&E - \$5.2M

FY16/17 Priority Efforts

- Functional electronic print
- Narrative descriptive tool, interactive analysis tool, COP
- Social network analysis
- Measures of effectiveness/performance graphic modeling
- Advanced analytics
- Distributed audio-video media



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

**Program Manager,
Network Transport &
Enterprise Networks**

**COMMAND, CONTROL,
COMMUNICATIONS,
AND COMPUTERS**

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

Network Transport



SOF Deployable Nodes

- Family of deployable, super high frequency, multi-band, SATCOM systems providing deployed SOF users with the transport path for access to the SOF Information Environment
- Provides high-capacity voice, data, VTC, and video at all levels of classification
- Consists of heavy, medium, light, SATCOM on-the-move, airborne ISR transport, and intelligence variants



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MILESTONES

- Post Milestone C, Sustainment & Capital Equipment Replacement

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

- FY16: RDT&E - \$2.8M;
PROC - \$56.4M; O&M - \$69.4M
- FY17: RDT&E - \$1.7M;
PROC - \$77.4M ; O&M - \$70.4M

CURRENT CONTRACT/OEM

- L3 Global Comm Solutions
- GATR Technologies
- ViaSat, Inc

SOF Deployable Nodes

Opportunities and Areas of Interest

- **Family of Terminals Competitive Contract**
 - Light, Medium, and Heavy Variants
 - Request for Proposal Release Planned November 2016
- **Size, Weight, and Power Reduction**
 - Commonality of Systems, Modularity / Flexibility, Reduced Complexity of Operation and Maintenance
- **Multi-band, Capable of Access to Available Architectures**
 - C, X, Ku, Ka, AEHF, Commercial Ka, Out-of-Band Ku
- **Cryptographic Modernization**
 - Embedded, Multi-level Security
- **SATCOM On-The-Move Antennas**
 - Ground, Airborne, and Maritime Platforms; Reduced Profile, Non-Invasive, Modem Agnostic

Enterprise Networks - Garrison

- Provides garrison infrastructure for unclassified and classified networks and services
- Provides a variety of capabilities / tools for command and control, collaboration, planning, analysis, processing, and dissemination



ACQUISITION STRATEGY

- Operational System in Sustainment with Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- Variable, dependent on variant

MILESTONES

- Post Milestone C, Sustainment & Capital Equipment Replacement

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

	<u>FY16</u>	<u>FY17</u>
• PROC:	\$42.9M	\$33.1M
• O&M:	\$110.8M	\$119.1M

CURRENT CONTRACT/OEM

- Multiple

Enterprise Networks - Garrison

Areas of Interest

- **Virtualization**

- Handheld Devices, Reduction In Footprint, Centralized Support, Software Defined Networking

- **Next Generation Infrastructure Capabilities**

- Software Centric Hardware, Software Defined Networking, Hyper-Convergence, Co-existence With Legacy Infrastructure, Cross Domain Solutions, Multi-Level Security, Data at Rest Encryption

- **Network and Service Assurance**

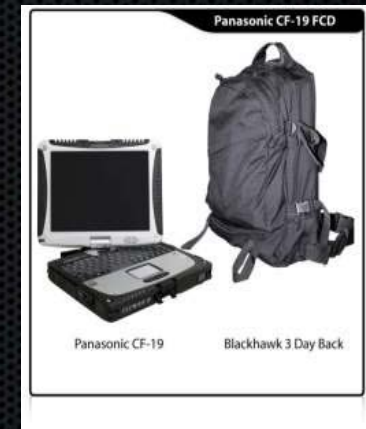
- Redundancy with Reduced Footprint, Self Healing
- Reliable and Timely Service Delivery Over Distance while Minimizing Infrastructure Duplication

- **Intelligence Capabilities**

- Big Data/Application in Support of Data Center Operations
- Geospatial, Analyst Software, Web-based and Collaborative Computing, Enhanced Imagery Workstations/Laptops, Geospatial Pattern Analysis and Intelligence Fusion, Compressed Data Search

Enterprise Networks - Tactical

- Provides SOF operational commanders and forward-deployed forces advanced automated data processing and display capabilities to support situational awareness, mission planning and execution, and command and control



ACQUISITION STRATEGY

- Operational System in Sustainment with Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- February 2013 – 2017

MILESTONES

- Post Milestone C, Sustainment & Capital Equipment Replacement

POINT OF CONTACT

- 813.826.9482 (TILO)

FUNDING

	<u>FY16</u>	<u>FY17</u>
• RDT&E:	\$1.0M	\$1.3M
• PROC:	\$15.8M	\$16.0M
• O&M:	\$30.7M	\$33.7M

CURRENT CONTRACT/OEM

- iGov Technologies

Enterprise Networks - Tactical

Areas of Interest

- **Size, Weight, and Power Reduction**
- **Commercial Solutions for Wireless**
- **Lightweight/Portable End User Mobile Devices**
- **Modular/Scalable LAN Infrastructure**
- **Virtualized Storage Area Network Solutions**
- **Military Battery Powered Computing Options**
- **WAN Acceleration Solutions**
- **Trusted Virtual Environment Solutions**



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