SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Ms. Deb Woods
Program Executive Officer

COMMAND, CONTROL,
COMMUNICATIONS,
AND COMPUTERS

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

SOF INFORMATION ENVIRONMENT 2020 VISION

One Force, One Environment

A globally networked force of SOF, interagency, allies and partners able to rapidly and persistently address regional contingencies and threats to stability

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS PORTFOLIO

TACTICAL COMMS

SOF Tactical Communications

Radio Integration System

Joint Tactical C4I Transceiver System

NETWORK TRANSPORT

SCAMPI (not an acronym)

SOF Deployable Nodes / Product Distribution System / Mobile SOF Strategic Entry Point

SOF Information Technology Contract (SITEC) Services

ENTERPRISE NETWORKS & MILITARY INFORMATION SUPPORT OPERATIONS (MISO) SYSTEMS

C4 and Intelligence Automation Systems / Special Operations Command Research, Analysis, and Threat Evaluation System

Tactical Local Area Network

Long Range Broadcast System
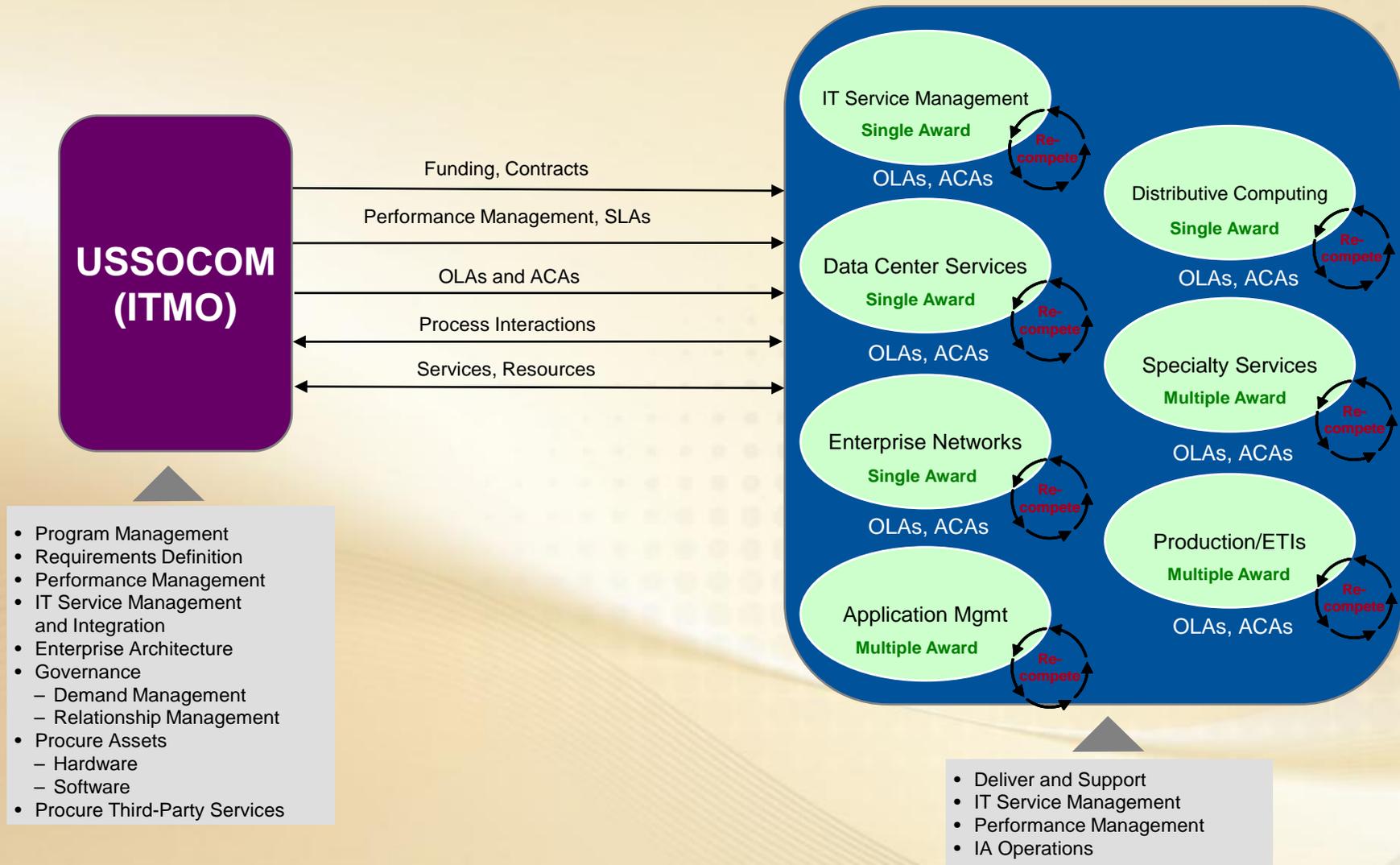
Media Production Center

MISO-Print

Fly-Away Broadcast System

Next Generation Loudspeaker System

SITEC I MODEL

USSOCOM (ITMO)

Funding, Contracts

Performance Management, SLAs

OLAs and ACAs

Process Interactions

Services, Resources

IT Service Management
Single Award
OLAs, ACAs
Re-compete

Distributive Computing
Single Award
OLAs, ACAs
Re-compete

Data Center Services
Single Award
OLAs, ACAs
Re-compete

Specialty Services
Multiple Award
OLAs, ACAs
Re-compete

Enterprise Networks
Single Award
OLAs, ACAs
Re-compete

Production/ETIs
Multiple Award
OLAs, ACAs
Re-compete

Application Mgmt
Multiple Award
Re-compete

- Program Management
- Requirements Definition
- Performance Management
- IT Service Management and Integration
- Enterprise Architecture
- Governance
  – Demand Management
  – Relationship Management
- Procure Assets
  – Hardware
  – Software
- Procure Third-Party Services

- Deliver and Support
- IT Service Management
- Performance Management
- IA Operations

SITEC I CONTRACTORS

- **IT Service Management – Jacobs**

- **Enterprise Networks – General Dynamics IT**

- **Data Center – ARMA**

- **Distributed Computing – L3 Communications National Security Solutions**

- **Applications Management**
  - **BAE**
  - **Berico**
  - **Booz Allen Hamilton**
  - **CACI**
  - **L3 Comm National Security Solutions**
  - **Pragmatics**
  - **SRA**

- **Specialty Services**
  - **ARMA**
  - **Booz Allen Hamilton**
  - **Dell**
  - **DRS**
  - **General Dynamics IT**
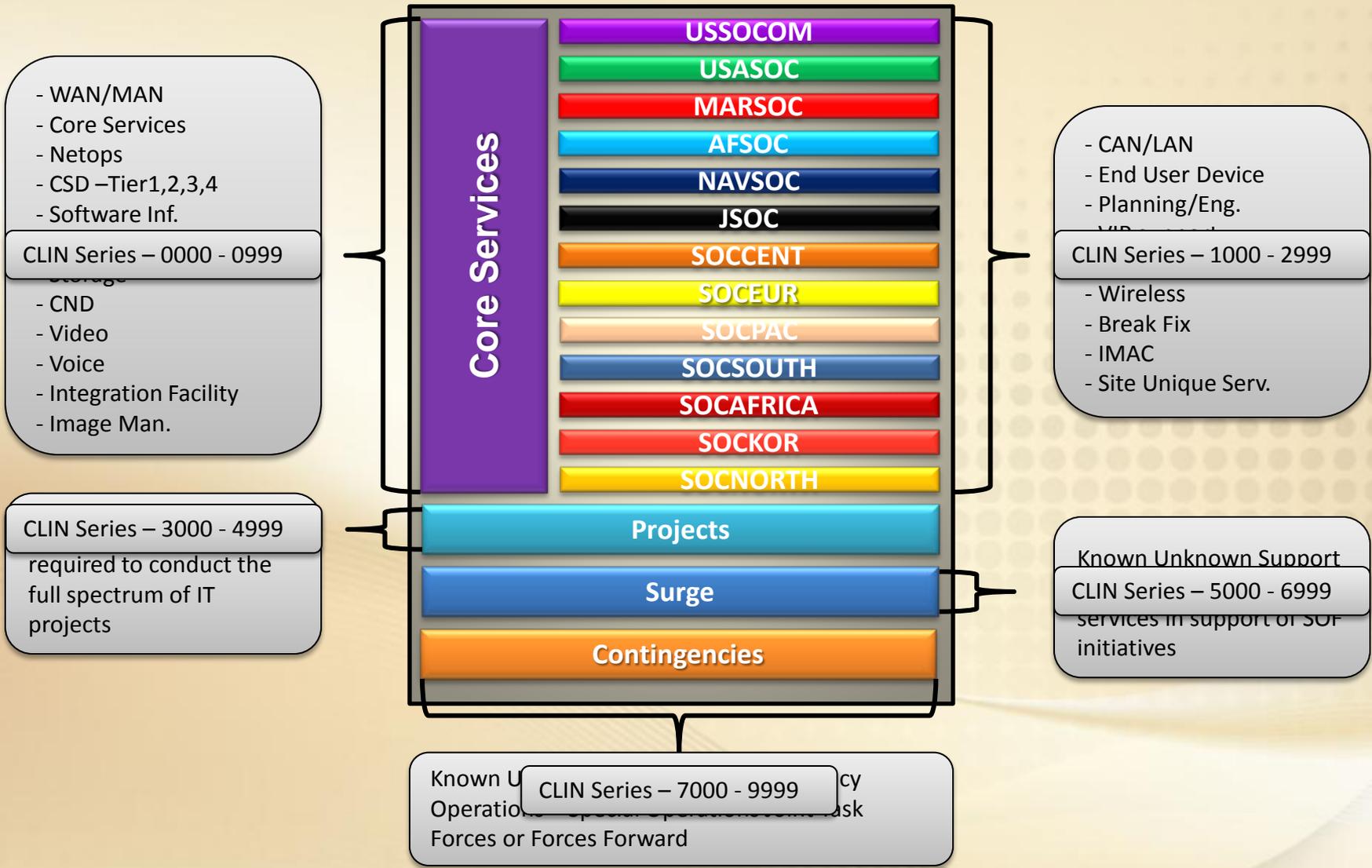 - **Leidos**
  - **L3 Comm National Security Solutions**

PROPOSED SITEC II STRATEGY

- **Provide services through task orders under the GSA Alliant family of contracts**

- **Deliver services based on the entity or organization to be supported**
  - **Enterprise Operations and Maintenance (O&M) Task Order**
  - **Individual Task Orders**

PROPOSED ENTERPRISE O&M

Core Services

- USSOCOM
- USASOC
- MARSOC
- AFSOC
- NAVSOC
- JSOC
- SOCCENT
- SOCEUR
- SOCPAC
- SOCSOUTH
- SOCAFRICA
- SOCKOR
- SOCNORTH

Projects

Surge

Contingencies

- WAN/MAN
- Core Services
- Netops
- CSD –Tier1,2,3,4
- Software Inf.

CLIN Series – 0000 - 0999

- Storage
- CND
- Video
- Voice
- Integration Facility
- Image Man.

- CAN/LAN
- End User Device
- Planning/Eng.
- VIP support

CLIN Series – 1000 - 2999

- Wireless
- Break Fix
- IMAC
- Site Unique Serv.

CLIN Series – 3000 - 4999

required to conduct the full spectrum of IT projects

Known Unknown Support

CLIN Series – 5000 - 6999

services in support of SOF initiatives

Known Unknown Contingency Operations – Special Operations Joint Task Forces or Forces Forward

CLIN Series – 7000 - 9999

TIMELINE

- **RFI to Alliant – May 2015**

- **Draft RFP – Late Summer 2015**

- **Final RFP – Early CY 2016**

- **Transition – January through April 2017**

QUESTIONS?

SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Program Manager, Tactical Communications

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

SOF TACTICAL COMMUNICATIONS (STC)

- **Provides Next Generation SOF Communication Systems**

- **Capabilities Include: Real Time, Hostile and Friendly Force Information; Line of Sight (LOS) and Beyond LOS (BLOS) Communications; and Access to Situational Awareness in the Form of Intelligence Inputs, Broadcasts, and Networks**

- **Consists of Three Form Factors: 1) Manpack, 2) High Frequency, and 3) Handheld**

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
• Operational System in Sustainment with Evolutionary Technology Insertions	• Variable, dependent on variant	• Post Milestone C, Sustainment & Capital Equipment Replacement

POINT OF CONTACT	FUNDING	CURRENT CONTRACT / OEM
• 813.826.9482 (TILO)	• FY15: RDT&E - $1.7M; PROC -$23.8M; O&M - $13.0M • FY16: RDT&E - $1.7M; PROC - $29.6M ; O&M - $15.6M	• Harris Corp • Thales Communications Inc

STC 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 BLOS**

- **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**

SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Program Manager, Network Transport

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

SOF DEPLOYABLE NODE (SDN)

- **Family Of Deployable, Scalable Super High Frequency, Multi-band SATCOM Systems Providing Transport For High-capacity, Voice, Data, VTC, And Video At All Classification Levels.**

- **Includes Variants To Support Wideband SATCOM-On-The-Move And Intelligence Mission Requirements, Full-Motion Video Access, Integration With Mobile Computing And Other Operational Needs.**

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
- **FY15: RDT&E - $2.394M; PROC - $69.950M; O&M - $67.948M**
- **FY16: RDT&E - $2.806M; PROC - $56.363M; O&M - $68.351M**

CURRENT CONTRACT / OEM
- **Multiple**

SDN AREAS OF INTEREST

- **General**
  - **SWAP**
    - **Reduce Size and Weight**
    - **Innovative Power Sources**
  - **Human Factors Engineering**
    - **Reduced Complexity of Operation and Maintenance**
    - **Commonality of Systems**
  - **Multi-band, Capable of Access to Available SATCOM Architectures**
    - **Current C, X, Ku and Ka-band Capability**
    - **AEHF**
    - **Commercial Ka-band**
    - **Out-of-Band Ku-band**
- **Next Generation Crypto Products**
  - **Reduce SWAP**
  - **Embedded**
  - **Multi-level Security to Reduce Enclaves**

SDN AREAS OF INTEREST

- **Terminals**
  - **Manpack, RFP January 2016**
  - **Wideband SATCOM-on-the-Move Antennas**
    - **Ground Mobile, Airborne and Maritime**
    - **Reduced Profile**
    - **Non-Invasive**
    - **Modem Agnostic**
    - **CERDEC S&TCD RFI**
  - **Heavy/Medium Terminals, RFP June 2016**

SCAMPI (NOT AN ACRONYM)

ACQUISITION   ACQUISITION

- **Primary USSOCOM Telecommunications System Within the SOF Information Environment (SIE)**

- **Transport of All Classifications of Voice, Data and Video Services**

- **Fields and Sustains Commercial Off The Shelf configurations for:**

  - **Media Ports: Terminate Satellite Communications Links**

  - **SOF Strategic Entry Point (SSEPs): Regional SIE Gateway**

  - **Nodes: Point of Presence Connecting to the Local Area Network**

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
• Operational System in Sustainment with Evolutionary Technology Insertions	• Variable – Capital Equipment Replacement Program (CERP) establishes the SCAMPI technology refresh	• Post Milestone C, Technology Insertions through CERP Process; Sustainment

POINT OF CONTACT	FUNDING	CURRENT CONTRACT / OEM
• 813.826.9482 (TILO)	• FY15: PROC - $15.1M; O&M - $6.7M • FY16: PROC - $24.0M; O&M - $30.6M	• Multiple

SCAMPI AREAS OF INTEREST

- **Virtualization**
  - **Reduction in Materiel Footprint**
  - **Centralized Support**
- **VTC Modernization**
  - **Mobility**
  - **Lync Integration**
- **Cryptographic Modernization**
  - **Layer 2 Encryption**
- **Network Assurance**
  - **Redundancy**
  - **Self-Healing**

SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Program Manager, Enterprise Networks and MISO Systems

COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS AND INTELLIGENCE AUTOMATION (C4IAS)

- **C4IAS Program Provides Special Operations Forces (SOF) With infrastructure For Unclassified and Classified (SECRET) Networks and Services**

- **Supports the DoD Vision of a Net-Centric Environment for Both War Fighting and Business Operations**

- **It Globally Connects All SOF Garrison Locations and Provides a Gateway to Networks Supporting SOF Deployed Forces as Well as DoD Organizations and Agencies**

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
• Sustainment with ongoing Evolutionary Tech Insertion	• Varies	• Program is Post Milestone C

POINT OF CONTACT	FUNDING	CURRENT CONTRACT / OEM
• 813.826.9482 (TILO)	• FY15: PROC - $38.32M; O&M - $84.03M • FY16: PROC -$37.24M; O&M - $89.60M	• Multiple

C4IAS AREAS OF INTEREST

- **Hyper-Converged Server / Storage Technologies**

- **Application Delivery ("App store") Capability for Desktop and Web Based Applications**

- **Managing Heterogeneous Storage Across the Enterprise**

- **Effective Service Delivery to the Edge While Minimizing Infrastructure Duplication**

- **Enterprise Access From Anywhere Via Any Device**

SPECIAL OPERATIONS COMMAND RESEARCH, ANALYSIS, & THREAT EVALUATION SYSTEM (SOCRATES)

- **SOCRATES is the TS/SCI SOF SIE Extension of the Joint World Wide Intelligence Communications System (JWICS)**

- **The SOCRATES Enterprise Architecture is a Robust Architecture that Supports Garrison and Deployed Intelligence System Requirements for SOF Components, Mission Supported Units, and GCC(s) via Theater Special Operations Commands (TSOC)**

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
• Operational system in sustainment mode with evolutionary technology insertions	• Varies by requirements and Basis of Issue (BOI) thresholds	• Post Milestone C, Production, Sustainment, and Capital Equipment Replacement

POINT OF CONTACT	FUNDING	CURRENT CONTRACT/OEM
• 813.826.9482 (TILO)	• FY15: PROC - $6.00M; O&M - $25.17M • FY16: PROC - $5.68M; O&M $25.52M	• Multiple

SOCRATES AREAS OF INTEREST

- **Web-based and Collaboration Computing**
- **Geospatial Intelligence Capabilities**
- **Enhanced Imagery Workstations**
- **Geospatial Pattern Analysis and Intelligence Fusion**
- **Cross-Domain Solutions and Multi-Level Security**
- **Intel Analyst Software**
- **Data at Rest Encryption**
- **Compressed Data Search**

TACTICAL LOCAL AREA NETWORK (TACLAN)

- **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 of Forces**

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
• Operational System in Sustainment Mode with Evolutionary Technology Insertions	• Varies by Requirements and Basis of Issue (BOI) Thresholds	• Post Milestone C, Production, Sustainment, and Capital Equipment Replacement

POINT OF CONTACT	FUNDING	CURRENT CONTRACT / OEM
• 813.826.9482 (TILO)	• FY15: PROC - $20.3M; O&M - $34.6M • FY16: PROC - $15.7M; O&M - $32.7M	• iGov Technologies

TACLAN AREAS OF INTEREST

ACQUISITION

- **Reduced Size, Weight, and Power Suite Solutions**

- **NSA Approved Commercial Solutions for Wireless**

- **Lightweight/Portable End User Mobile Devices**

- **Modular/Scalable LAN Infrastructure**

- **Low Profile Storage Area Network Solutions**

- **Military Battery Powered Computing Options**

- **WAN Acceleration Solutions**

- **Trusted Virtual Environment Solutions**

LONG RANGE BROADCAST SYSTEM (LRBS)

- **Provides a Modular Airborne Capability to Broadcast AM, FM, Cellular, and TV Messages in Permissive and Non-Permissive Areas of Operation**

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
• Evolutionary	• Varies	• Program Is Pre-MS B

POINT OF CONTACT	FUNDING	CURRENT CONTRACT/OEM
• 813.826.9482 (TILO)	• FY15: RDT&E - $1.3M • FY16: RDT&E - $4.9M	• NSWC Crane

LRBS AREAS OF INTEREST

- **Software Defined Radios**

- **Simulcast Capabilities**

- **Low Profile Antenna Development**

- **High Efficiency Amplifier Development**

- **Unmanned Aircraft Integration**

- **Netted and Remote Operations**

INFORMATION AND BROADCAST SYSTEMS AREAS OF INTEREST

- **Advanced Analytic Capabilities**

- **Distributable Audio-Visual Media**

- **Next Generation Loudspeaker System (NGLS) Sonic Projection**

- **NGLS Low Frequency Capability**
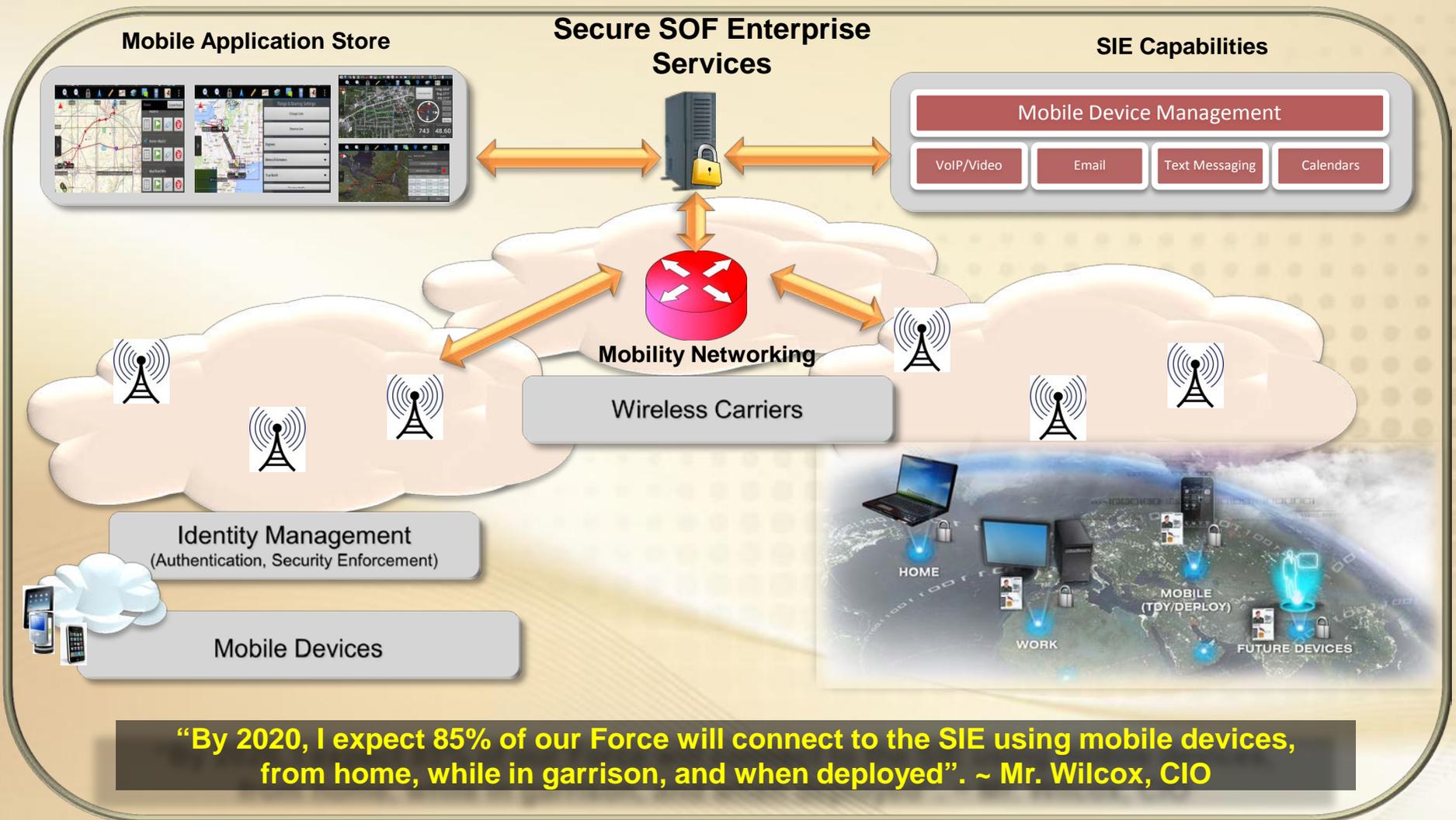
- **NGLS Ultra-Light**

SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Next Generation Infrastructure

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

NEXT GENERATION INFRASTRUCTURE (NGI)

Mobile Application Store

Secure SOF Enterprise Services

SIE Capabilities

Mobile Device Management

VoIP/Video | Email | Text Messaging | Calendars

Mobility Networking

Wireless Carriers

Identity Management
(Authentication, Security Enforcement)

Mobile Devices

HOME

WORK

MOBILE (TDY/DEPLOY)

FUTURE DEVICES

"By 2020, I expect 85% of our Force will connect to the SIE using mobile devices, from home, while in garrison, and when deployed". ~ Mr. Wilcox, CIO

NGI AREAS OF INTEREST

ACQUISITION   ACQUISITION

Quick Reaction	Acquisition Enablers	Leap Ahead Innovations	Discovery & Invention	Enterprise Solution
1-2 Years	2-4 Years	4-7 Years	5-20 Years	

- **Current Efforts**
  - **Secure data in transit/data at rest/SIP**
  - **Secure Wireless**
  - **Cloud technologies**
  - **Software defined network -- application optimized storage solutions**

- **Future Efforts**
  - **Dynamic-based, network topological architecture development**
  - **Software defined networks – Automate provisioning and management**
  - **Open standard, airborne transport modem**
  - **Next generation firewalls**