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# Welcome to DISA Forecast to Industry Day 2013

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**9 August 2013**



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# Forecast to Industry

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**9 August 2013**



**Lt Gen Ronnie D. Hawkins, Jr.  
Director, Defense Information Systems Agency**



# Recap from Mission Partner Conf 2012: What We Told You Last Year

## Exploitation of the enterprise

- Enable the Joint Information Environment

### Data Center Consolidation

### Enterprise Services

### Cloud Computing

- Enterprise Security Architecture
- Unified Capabilities
- Identity and Access Management
- Mobility
- Future Mission Network



# Rapidly Evolving Battlespace

## Metcalfe's Law

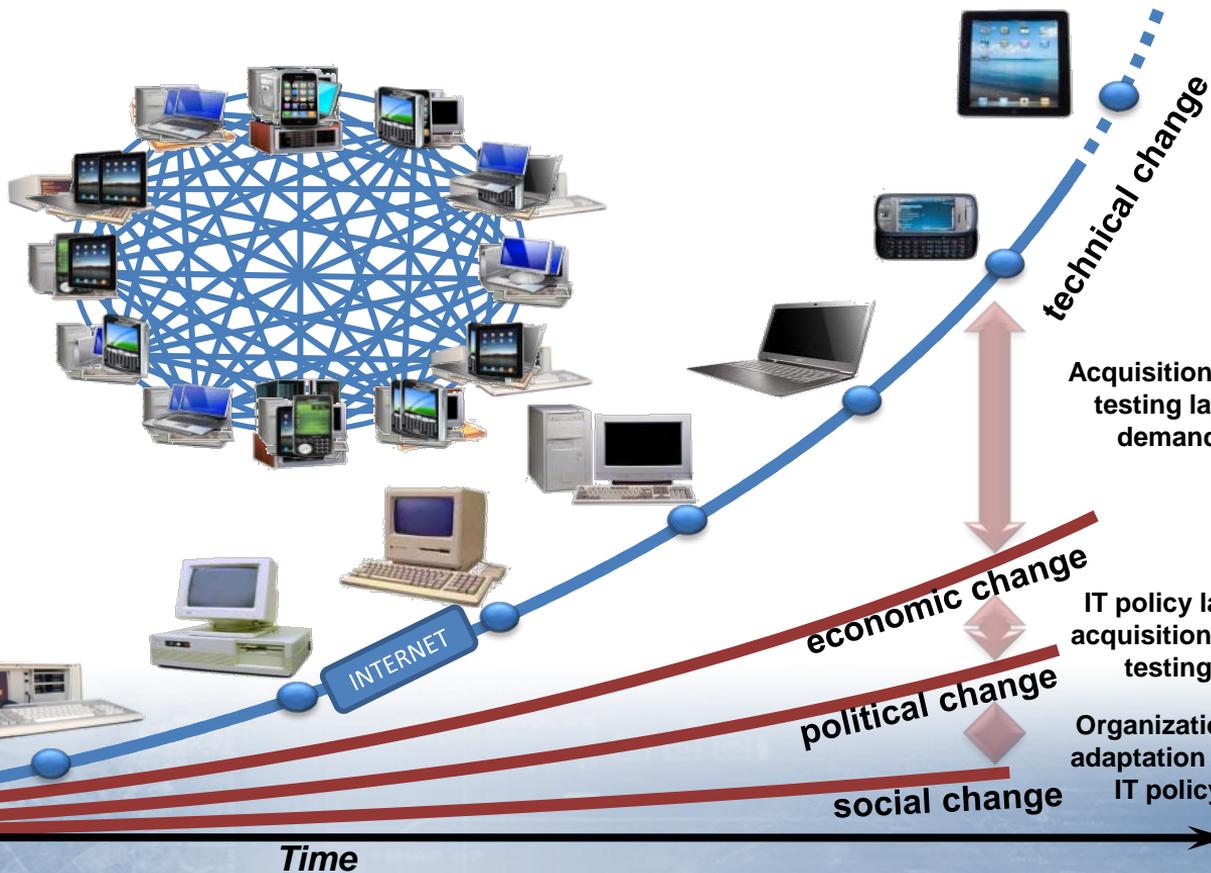
*Value is proportional to the number of connected users*

## Moore's Law

*The number of transistors per square inch doubles every 2 years*

## Laws of Disruption

*Social, political, economic systems change incrementally, but technology changes exponentially*



*technical change*

Acquisition and testing lags demand

*economic change*

IT policy lags acquisition and testing

*political change*

Organizational adaptation lags IT policy

*social change*

ARPANET

INTERNET

Time



# We must Develop the JIE to Secure our Cyber Infrastructure and Cut Costs

MAR  
2012

DoD CIO



“Our primary goals are to make the Department **more effective** and **more secure** against cyber threats... ..to **reduce the cost** associated with the Department’s overall information technology infrastructure by simplifying, standardizing, centralizing, and automating infrastructure **at the enterprise level**. We are calling the result of the effort the **Joint Information Environment**, or **JIE**.”

*Teri Takai, CIO, Department of Defense*

JAN  
2013

CJCS

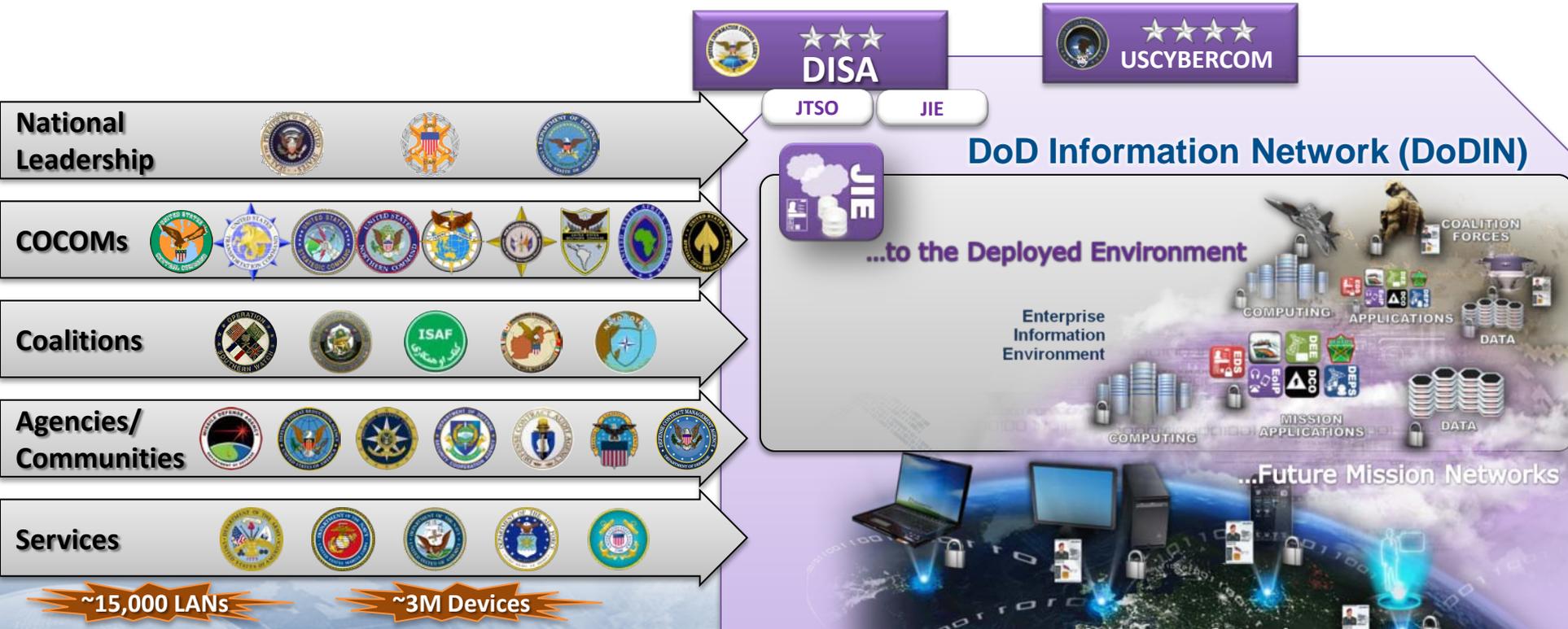


“[With the JIE], we will have set the conditions for **next generation capabilities**, fully leveraging the power and versatility of commercial information technology and evolving from a brittle, network-centric understanding of our information environment to **a flexible data-centric environment** enabling access to **information at the point of need**.”

*GEN Martin E. Dempsey, Chairman of the Joint Chiefs of Staff*



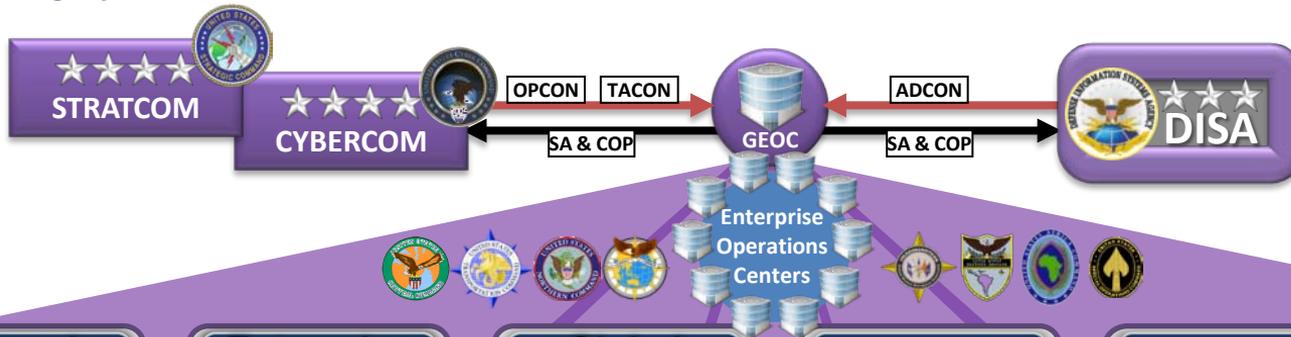
# Challenge: Shifting Critical Terrain from Org-based Management to Enterprise



**DISA's Primary Role: Integrator and Synchronizer**



# Direct DoDIN Defense



**Network Services**

- NIPR
- SIPR
- DSN
- DRSN
- PNT
- JWICS
- VTC
- GBS
- Mobility
- ...

**Enterprise Services**

- DEE
- DEPS
- DCO
- EDS
- IAAS
- SAAS
- PAAS
- ...

**Global Applications**

- GCCS
- GCSS
- TBMCS
- ABCS
- DMS
- DCT
- ...

**Transport**

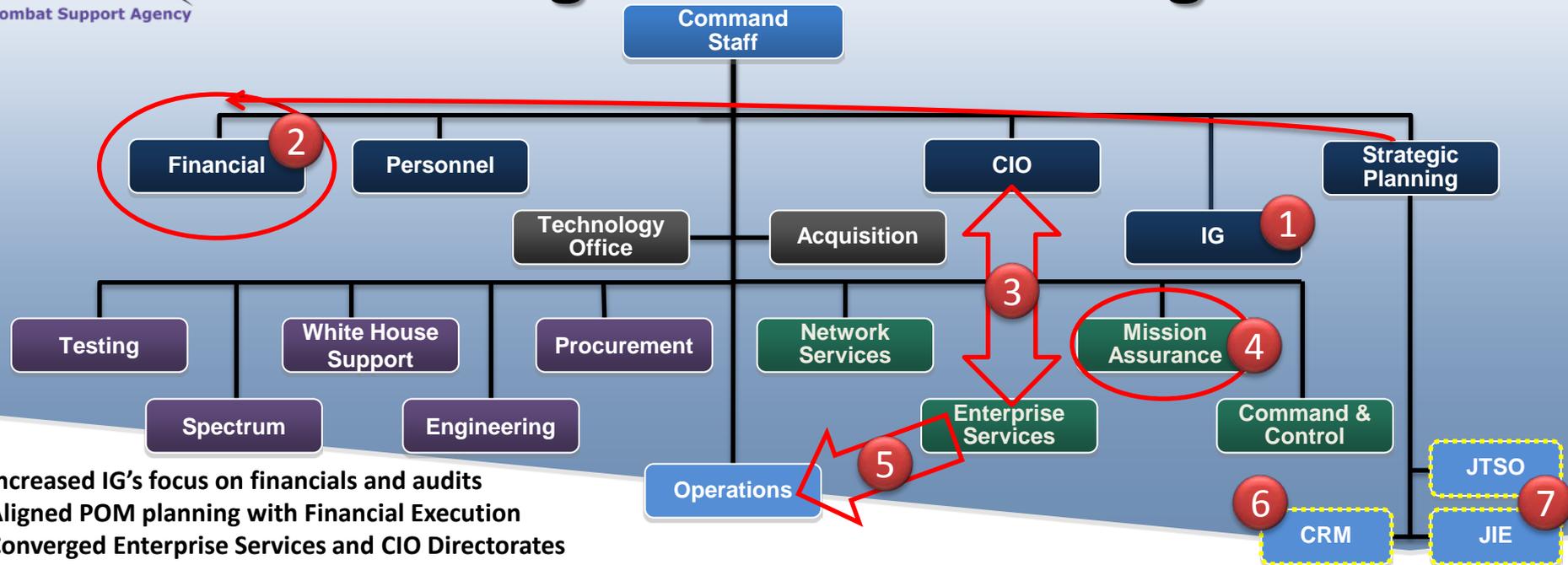
- Fiber
- SATCOM
- RF LOS
- HF
- MSS
- Copper
- Wireless
- Commercial Spectrum
- ...

**Single Purpose Networks**

JDN: TADL	NRO
Coalition WANs	NGA
ICS/SCADA	MW/MD
Nuclear/Nat'l	UAVs
MDA Fire Ctrl	Link 16
ITW/AA	SAP
AFSCN	STO
SOCOM Nets	...
...	



# Organizational Changes



1. Increased IG's focus on financials and audits
2. Aligned POM planning with Financial Execution
3. Converged Enterprise Services and CIO Directorates
4. Moved Field Security Office to Mission Assurance
5. Aligned DECC operations with Operations Directorate
6. Added Customer Relationship Management Function
7. Added JTSO/JIE Functions



**DISA Senior Re-assignments and Functional Re-alignments  
that will Enable a more Responsive and JIE-aligned DISA**



# Forecast for the Coming Year

## Greater Emphasis on Efficiency and Savings from Enterprise Solutions

- Pivot on delivery of capability/technology...



...Sprints in months not years

- Accentuate acquisition agility...



...Better Buying Power

- Mature the JIE...



...Focus on the Coalition



**Our People Are Our Strength**



# **Session 1:**

# **Office of Small Business Programs**

## **Small Business is Important to DISA**

Ms. Sharon L. Jones  
Director, OSBP



# FY12 Small Business Achievement

## Making Our Goals & Making a Difference!

### \$5.1 billion in total small business eligible dollars

Small Business Categories	Federal Small Business Goals	DoD Small Business Goals	DoD Small Business Achievements		DISA Small Business Goals	DISA Small Business Achievements	DISA Contract Award Dollars	DISA Contract Actions
			%	\$				
SB Small Business	23%	22.5%	20.4%	56.1B	25%	26.5%	1.4B	4,762
SDB Small Disadvantaged	5 %	5%	7.3%	20.1B	10%	10%	471M	2,060
WOSB Woman Owned Small	5%	5%	3.3%	9.3B	5%	5.0%	249M	959
SDVOSB Service Disabled Veteran	3%	3%	2.3%	6.4B	3%	3.7%	189M	498
HUBZone Historically Underutilized Business Zone	3%	3%	2.1%	6.0B	1%	0.6%	32M	410

Figures are as calculated by the official FPDS-NG SB Achievements by Awarding Organization Report



# North America Industry Classification System (NAICS) Results for FY12

## Concentration of PRIME Contract Awards:

Total Dollars Awarded in FY12 – \$5.1B

Total Actions awarded in FY12 – 52,902

## NAICS Sector 51 – Telecomm/software/Information services

### Contract Awards in the NAICS Code 51 Sector

86% of all Total Actions = 64,220

33% of all Total Dollars = \$1.7B

## NAICS Sector 54 - Engineering /design/computer/professional/scientific

### Contract Awards in the NAICS Code 54 Sector

11% of all Total Actions = 7,899

62% of all Total Dollars = \$3.2B

## NAICS Sector 33 - Computer/electronic and misc. furniture mfg

### Contract Awards in the NAICS Code 33 Sector

1.4% of all Total Actions = 1,063

1.5% of all Total Dollars = \$79M



# Small Business Contract Vehicles

❖ Individual small business set-aside contracts based on mission requirements 

❖ DISA Enterprise Support Services (DESS) 

❖ Encore Small Business Set-Asides 

❖ GSA Small Business Set-Asides on E-Buy

❖ GSA 8(a) STARS II 

❖ GSA Vets 

❖ NASA SEWP Groups B, C & E 

❖ **Global Information Grid Services Management:**  
Engineering, Transition & Implementation  
(GSM-ETI) Projects & Support (GSM-P&S) 

❖ PEO-MA Engineering Support 

❖ NIH CIO SP3

❖ GSA Alliant Small Business 

❖ Federal Supply Schedules

❖ Custom SATCOM Solutions-Small Business (CS2-SB)

*DISA Elevates  
Small Business Importance  
through Contracting!*



# Building Business Bonds

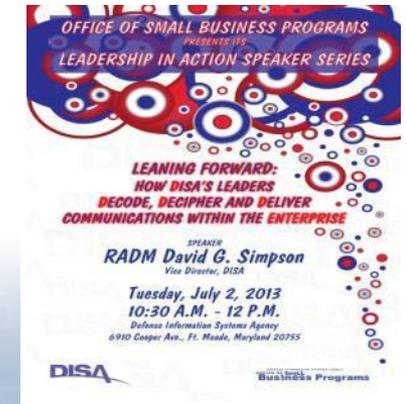
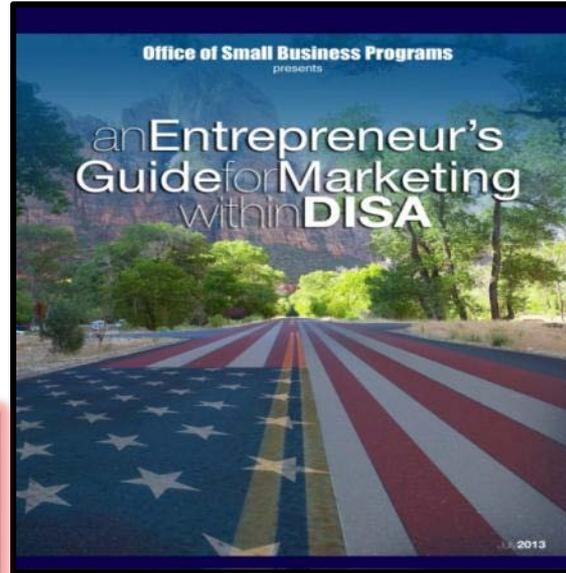
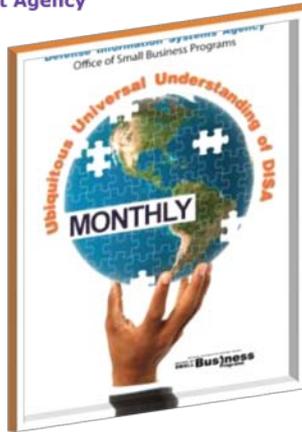
## By Creating Opportunities with Large Business Primes

- ❖ Create Partnerships with Large Businesses.
- ❖ Develop subcontracting opportunities with large businesses.
- ❖ Engage with Small Business Offices –Large Business
- ❖ Large Business make a good faith effort to meet contractual subcontracting goals

**TEAMING & JOINT VENTURES ARE GOOD!**



# Small Business Publications & Events



## Upcoming Small Business Events at DISA Headquarters

Monthly Small Business Orientation Forum (Monthly)

Leadership In Action Speaker Series – FALL 2013 (Quarterly Event)



# Contact Information

Information: [www.disa.mil](http://www.disa.mil)

Contracting Opportunities: [www.ditco.disa.mil](http://www.ditco.disa.mil)

EMAIL: [disasmallbusinessoffice@disa.mil](mailto:disasmallbusinessoffice@disa.mil)

Points of Contact:

Office of Small Business Programs - Director

Sharon Jones

301-225-6003

Small Business Specialist

Brenda Leonard

618-229-9667



[www.disa.mil](http://www.disa.mil)



# Session 2: Acquisitions

Dr. Jennifer L. Carter  
Component Acquisition Executive



# Agenda

- **Looking Ahead With Industry**
- **DoD Mobility**
- **Unified Capability (UC)**
- **Commercial Cloud Terms and Conditions**



# IT Acquisition Trends

- **Centralized Strategy Multiple Award**
  - Consistency
  - Scope to accommodate agility
  - Alignment with processes, policy
- **Increased Focus on Efficiency**
  - Balanced performance and efficiency measures
  - Value engineering
  - Innovative approaches for reducing sustainment/service costs (increased automation, streamlined processes)
- **Increased Leverage of Commercial/Commodity IT**
  - Storage and capacity as a service
  - Commercial Cloud
  - Application frameworks (Storefront, App Stores, Widgets, etc.)
- **Interoperability of Capabilities**
  - Opportunities for flexible/optimized service offerings
  - Ability to address multiple customer bases
  - Lower barriers to competition



# Looking Ahead with Industry

- Strong partnerships between government and industry to align new products/service with DoD requirements with in the development phase
- Industry solutions to security requirements to lower DoD costs while providing competitive advantage in growing market for commercial security
- Software and hardware release synchronization with industry
- Business models that simplify DoD level service management
  - A comprehensive mobile solution for plan management, data, devices, voice, etc.
  - Application procurement/billing/sustainment that scales and meets dynamic needs
- Leverage commercial business models for procuring services (i.e. cloud)
- Open Standard UC/Enterprise Service Capabilities within a suite of tools rather than a single product base



Delivering DoD solutions that leverage commercial industry successes



# DoD Mobility



# Mobility End-to-End Vision

## DoD Mobile Application Storefront

Shared pre-approved Apps from across DoD



## Secure Government Enterprise Services



## DoD Enterprise Capabilities

### Mobile Device Management

VoIP/  
Video

Email

Txt  
Message

Calendar

## Mobility Gateway

Apps and devices authorized & ready to connect to DoD networks & services

## Mobility Networking

### Wireless Carriers

Standardized service plans and DoD negotiated rates

## Identity Management

DoD wide creates interoperability



## Commercial Mobile Devices

Simplified pre-approval of multiple devices for DoD

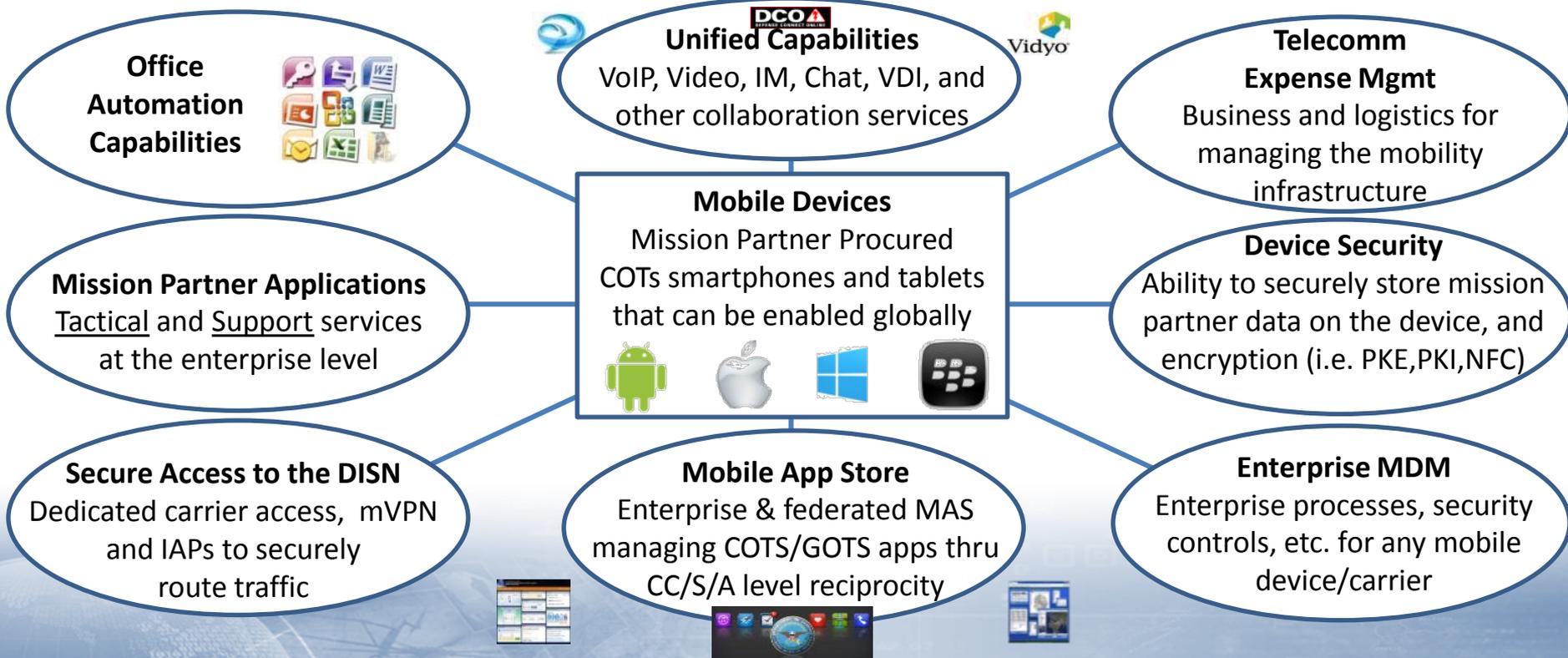


**Bottom Line: New mission-specific capabilities are more agile and quick to develop because standard infrastructure is available**



# The DoD Mobility Concept (Cont'd)

**Objective State:** Vendor-agnostic COTS solutions at all classification levels that support the enterprise and offer the same capability available through the mission partner's workstations today



# DISA Synchronization with Industry-Closing the Gap

## Commercial Industry Practices:

1-10 devices released/year; 1 new 6 updated OS/year; ~18K apps per quarter



Android Platform



iOS Platform



Windows Platform



Blackberry Platform



## DoD Goals



New Hardware  
30 Days



New Apps  
30 Days



New OS  
30 Days

DoD is partnering with industry to streamline review and approval cycles to meet the rapid deployment of commercial technologies



# What We Need From Industry?

- Security built into Products; continued support of mobile SRGs by developing mobile STIGs; alignment with NSA protection profiles
- Enterprise license agreements for commercial applications and simplified access processes
- Enterprise Based Cost Models
- Continued development of Enabled Secure Mobile Applications
- Telephony Expense Management
- What steps should DISA take to become a developer with Industry?

## Capabilities of Interest

### Device

- Mobile Device Management
- Hardware Root of Trust
- Multifactor Authentication
- Data at Rest
- Baseband Security
- Next Gen Operating System

### Enterprise

- Suite B Cryptography
- Unified Communications
- Over the Air Updates
- Voice Over IP
- Virtual Private Networks
- IP Protocol Multimedia Subsystem (IMS)

### Architecture

- Evolved Packet Core – RAN Interoperability
- Radio Access Networks
- 4G/LTE Networking
- Multi-Level Security
- Identity Management
- WLAN – EPC Interoperability



# Mobility Contract Opportunities

Project	Details
Gateway Procurement	Single Award; Market research underway. RFP to be released 1QFY14 Contract Award in 2QFY14 Contract Type: Firm-Fixed Price
Mobile Applications Enterprise Solutions	Single Award; Market research underway. RFI to be released 1QFY14    RFP release: TBD Contract Type: TBD

POC: Col James Starling    Email: [james.m.starling.mil@mail.mil](mailto:james.m.starling.mil@mail.mil)    Phone: (301) 225-5670



# Unified Capabilities

# Unified Capabilities



- Base w/15,000 people and 10 phone systems
- Firewalls require units to deploy their own infrastructure
- FTEs required for O&M in each enclave

## Existing Architecture



Soft Phones

Hard Phones

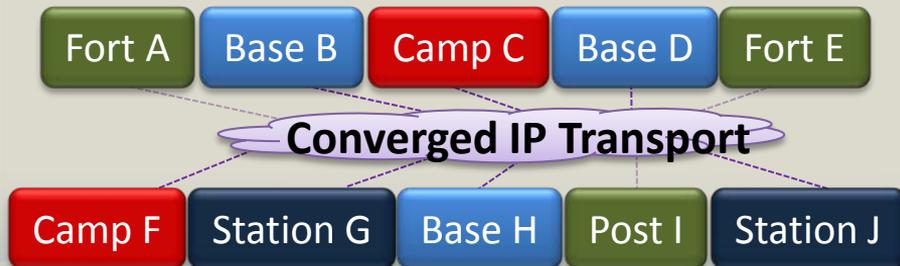
1%

99%

Deterministic Routing / Single Point of Failure

**JIE**

## Future Architecture



- Integration of voice, video & data delivered ubiquitously
- Enterprise Session Controllers serving 200,000 users in a geographic region
- Streamlined Troubleshooting
- Integration with other Enterprise Services



Soft Phones

Hard Phones

80%

20%

Dynamic Routing / Self Healing

**Converged Voice, Video, and Collaboration Services Across the DoD in Real Time**



# UC Today

## Independent Capabilities

- TDM-based voice/video services expensive to maintain; migration to IP progressing
- Collaboration services (IM, chat, presences, web conferencing) are independent services widely used across DoD in unclassified and classified environments (approximately 5,000 unclassified and 1,500 classified concurrent users daily)
- Some service components near end of life
- Disparate capabilities provide components of a desired UC solution, but many not integrated or limited in scope.

## Requirements from User Community

- Mission partners seeking enterprise-level capabilities, as opposed to instituting own services; significant savings potential evident in early IP services (eVoIP)
- Significant surge in web conferencing usage as a result of budget cuts, and associated restrictions on travel and conference attendance



# UC in the Future

**DoD requires a highly effective, better integrated, and cost effective UC solution across the entire set of DoD users**

- Fixed and mobile; garrison and deployed environments
- Classified and unclassified environments
- Active duty workforce, as well as government civilians and contractors
- Global service
- Up to 4.5 M potential DoD users

## **Desired capabilities (subset)**

- Presence and awareness of users (eg. calendar integration for awareness)
- Text and voice chat
- Ad hoc and persistent work spaces
- Video conferencing (interoperability with VTC standards)
- Web conferencing with recording and independent playback
- Telephony and telephony integration (dynamic routing of calls to follow user)
- Email integration (unified messaging)
- Integration with DoD's identity management and PKI





# UC Challenges... How Industry Can Help

- Lower the cost to procure and operate these services
- Simplify the user experience
- Get these services to the users faster
- Move UC off the desktop and into the cloud
- Extend UC to mobile devices quickly
- Interoperable capabilities in an open/standard environment to improve solution alternatives for integrated service offerings

Partnership with Army in coordination with other services for UC acquisition with planned contract award in FY14 (RFI in June)

**Budget pressures are increasing the need to get there quickly**



# Unified Capabilities Opportunities

Project	Details
GVS	Single Award; RFP to TBD, early 1QFY14 Predecessor Contracts: DGS-APPTIS-TO 54 (DCA200-02-D-5000) Small Business: GSM-ETI Contract Type: FFP - DWCF
eVOIP	Single Award; RFP to TBD, early 4QFY13 Predecessor Contracts: HC1028-08-D-2000 (DNMSSG – TO 45, 43, and 38) HC1013-07-D-2023 (DNMSSG – TO 6) Small Business: GSM – ETI Contract Type: FFP & CPFF - DWCF
NS2 Strategic Planning	Single Award; RFP 30 Sept 2011 Predecessor Contract: HC1028-08-D-2000 (DNMSSG – TO 45) Small Business: GSM – P&S Contract Type: FFP - DWCF
Partnership with Army	Single Award; RFI in June FY13 Contract Award: TBD

POC: COL David Grauel    Email: [david.w.grael.mil@mail.mil](mailto:david.w.grael.mil@mail.mil)    Phone: (301) 225-5781



# Commercial Cloud Computing



# DoD Enterprise Cloud Service Broker

*Providers*

*Consumers*



### IOC (Jan 13)

- Initial Service Catalog
- Security Models
- Limited Business Model
- Matching criteria
- Initial CRM

### FOC (FY 14)

- Increased Service Offerings
- Security monitoring/SA
- Mature processes
- Ordering/provisioning tools
- Automated customer interface

**DoD level commercial cloud contracts planned for FY14**



- COCOMs
- SERVICES
- AGENCIES
- COALITIONS
- IC

*DoD Enterprise Cloud Service Catalog*

-- Manage to Availability not Geography

-- Manage to Utilization not Standing Capacity



# Commercial Cloud Contracting Concerns

## Terms and Conditions

Title	Rationale
Physical Access	IG Act of 1978, FISMA
Personnel Access	HSPD-12
Facility Inspection	FISMA
Records Management	Federal Records Act
Data Location	Sovereign Immunity
Law Enforcement	IG Act of 1978, FISMA
Indemnification	Sovereign Immunity
Cyber Insurance	Liability Insurance
Notification	Sovereign Immunity
Spillage	CNSSI 1001
Terms of Service	

**Need business/pricing models and contract vehicles that address DoD required terms and conditions while enabling economies of scale**

POC: Ms. Julie Mintz Email: [julie.j.mintz.civ@mail.mil](mailto:julie.j.mintz.civ@mail.mil) Phone: (301) 225-5753



[www.disa.mil](http://www.disa.mil)



# **BREAK**

**Networking with Senior Leaders  
from 10:05-11:30**



# Session 3: Communications

Ms. Cindy Moran  
Director  
Network Services

Mr. Bruce Bennett  
Program Executive Office  
Communications



# Key Services Delivered by DISA NS

## Current Environment



**Multi-Classification Level Data Services**  
NIPRNET, SIPRNET, JWICS, IP Core Svcs.



**Secure and Non-Secure UC Services**  
VVoIP, DSN, DRSN, DVS-G



**Standard Tactical Entry Point (STEP)**  
Satellite Communications Mgmt & Sustainment



**Wireless and Mobility Services**  
EMSS, SME PED, Future Services



**Network Operations Tools & Support**  
Operational Support System Mgmt & Sustainment



**Interoperable / Secure Products & Services**  
DoD UC Approved Products List, Services Catalog, Process Improvement, Centralized Implementation & Connection Approval

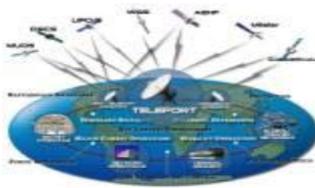
# The Enterprise Network

## Transport



- Ubiquitous, secure, robust, optical IP terrestrial network
- Baseline for transition and optimization activities & plans -- Everything over IP
- Partnered with Missile Defense Agency to acquire additional 10K route miles of fiber to enhance ntwk
- Partnered with Army for router and softswitch built out for JIE and UC support

## Gateway Services



- Standardized architecture across SATCOM platforms and services
- Deliver seamless integration/interoperability between terrestrial/SATCOM business & operational processes
- Expanding X- and Ka-Band access commensurate with expanding WGS constellation
- Leveraging GSA Contracts for agile acquisition of Commercial SATCOM services
- Simplify access for the warfighter to satellite capabilities (BGAN)
- More robust access from ground terminals to multiple bands

## Joint Information Environment (JIE)



- A JIE that leverages the Joint Enterprise Network and UC architectures and constructs
- Provide consolidated Enterprise Services to all COCOMs / Services/ Agencies (CC/S/A)
- Infrastructure support for JIE Increment 1 to provide services to CC/S/As
- Ensure network availability and capability to support emerging JIE enterprise services

## Unified Capabilities



- Provides the capabilities of integrated voice, video, and/or data services across DISN
- Provide DISA's backbone infrastructure to support / enable UC: ITSP, QoS, MFSS /ESC, Video, Bandwidth / Transport, DCO-Telephony, NM Tools (OSS) – Technology Refresh
- Provides enterprise-level classified and unclassified mobile communications services
- Eliminate / Reduce Legacy infrastructure: DATMS, DMS, TDM and ISDN to IP
- Provides real time collaboration capabilities and support communications on the move
- PAC Enterprise Service – Hawaii: Leverage DISN and DISA offerings to provide UC



# GSM-ETI Overview

## Description:

Scope of the contract includes the engineering, transition and implementation activities in support of the DISN.

- Multiple Award IDIQ contract, awarded Dec 2012
- 2 year base period with 3 option years available
- Winning contractor teams
  - Onyx/Technica
  - IPKeys
  - NES Associates
  - ByLight
  - Cambridge
  - Turning Point/EMW
  - DMI



# GSM-ETI Task Order Forecast

Title	Projected RFP Release	Description
MPLS Implementation	4QFY13	Global implementation support for three critical projects for the U.S. Army. Initiatives include Army 10G, Joint Regional Security Stacks, and Ft Detrick Service Delivery Node (SDN) relocation, including technology upgrades and system decommission.
Optimization	4QFY13	Global implementation support for major technology changes to DISN infrastructure. Task Order includes site survey, detailed engineering, implementation plans, and incidental hardware procurements. Additionally includes field support for circuit testing and service activation, as required.
Technical Refresh	4QFY13	Global implementation support for upgrades to DISN technology reaching end of lifecycle. Major initiatives will include technology upgrades and decommissioning of various support systems.
DISN Video Services Engineering	4QFY13	Provides Global Video Service (GVS) support for the architecture, design, integration, assessment, and problem management for the evolving IP GVS and the transition of video customers from legacy video services to the IP video service.

POC: Mr. Frank Cabral Email: [Frank.G.Cabral.civ@mail.mil](mailto:Frank.G.Cabral.civ@mail.mil) Phone: (301) 225-8334



# GSM-P&S Overview

## Description:

The scope of the GIG Services Management – Projects and Support (GSM-P&S) contract is to provide program support to the operations and engineering efforts across the DISN.

- Awarded to Alliant Small Business (ASB), under a Government-wide Acquisition Contract (GWAC), a pre-competed, multiple-award, indefinite delivery, indefinite quantity (IDIQ) contract

**Period of Performance:** February 3, 2009 to February 2, 2014

**Options:** 1 five-year option from February 3, 2014 to February 2, 2019



# GSM-P&S Task Order Forecast

Title	Projected RFP Release	Description
Naval Circuit Management Office (NCMO)	4QFY13	Life Cycle Management and Technical Support for Circuits that connect Naval Bases to the Department of Defense Information Network (DODIN)
DISN Video Services Support	4QFY13	Provides Global Video Service (GVS) project management support, primarily for the evolving GVS and the transition of video customers from legacy video services to the IP video service.
Military Sealift Command (MSC) Global Service Desk (GSD)	4QFY14	Explore commercial Call Center service providers that can perform: - Ticket Handling (Tier-1) services and Low-Level Service Fulfillment (Tier-2) services

POC: Ms. Mary Lou Dennis    Email: [Mary.L.Dennis24.civ@mail.mil](mailto:Mary.L.Dennis24.civ@mail.mil)    Phone: (301) 225-2414



# Global Network Services (GNS)

## Description:

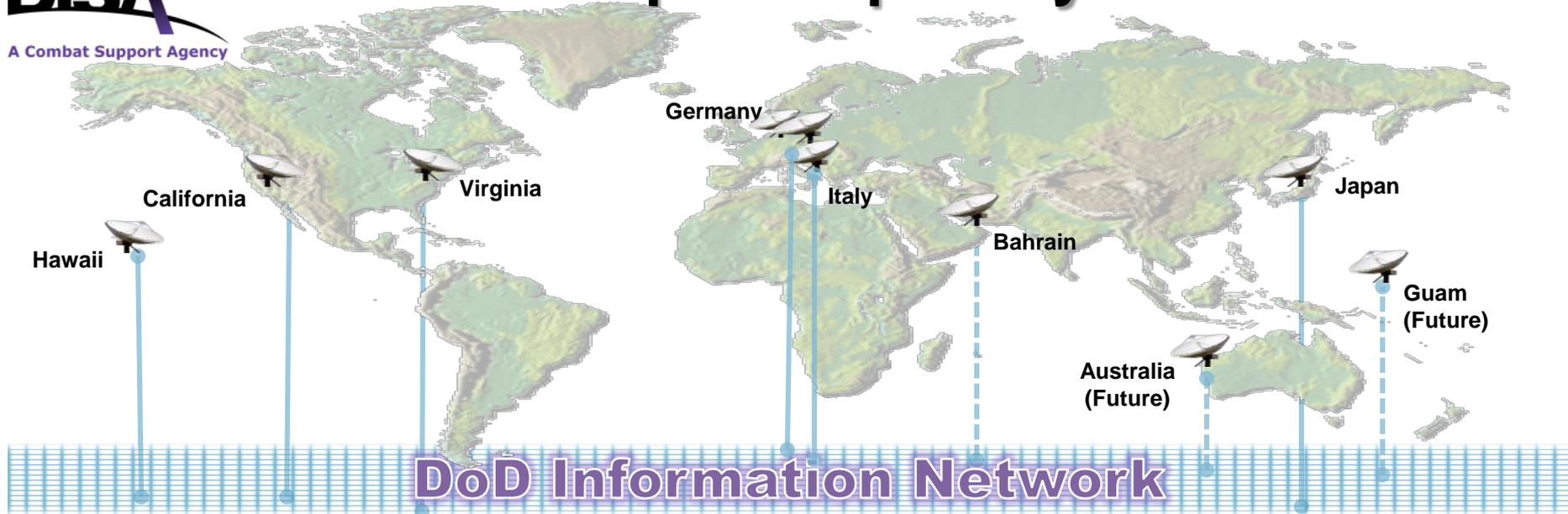
Global transport services contract, predominantly point-to-point circuits and DISN backbone leases. Also can purchase end-to-end turnkey solutions when necessary. Will align to the DoD future goals for network services.

- Predecessor Contracts: DTS-P II, DATS, Networx PLS, JHITS (circuits only)
- Anticipated Small Business Involvement: Full and Open
- Anticipated Contract Type: Global, Multiple Award, IDIQ
- Acquisition strategy TBD

POC: Mrs. Laura Herbertson Email: [Laura.A.Herbertson.civ@mail.mil](mailto:Laura.A.Herbertson.civ@mail.mil) Phone: (301) 225-2449



# DoD Teleport Capability Location



- DoD Teleport provides critical support for the deployed warfighter
  - DoD Information Network (DODIN) Compliant Network Solutions
  - Enhanced seamless access to critical information sources
- Provides high bandwidth, multiband, net-centric telecommunications transport
  - Enhanced interoperability
- Serves as a media “Junction” for space and terrestrial information distribution
  - Cornerstone of DODIN expansion
- Serves as an extension of the DODIN

DoD Teleport connects deployed warfighters using circuit switched and IP technologies



# DoD Teleport Capability

## Standardized Tactical Entry Point (STEP):

- Pre-positioned DODIN services, and standardized equipment, but *provided only X-band capability*

Voice



DODIN

Data



Video



Voice



DODIN

Data



Video



245 Mbps/site



STEP

2650 Mbps/site



DoD Teleport

AEHF

EHF

UHF

C

Ku

X

Ka

Military DSCS, EHF, AEHF, UHF and WGS



Commercial C, X, Ku, KA



NAVFOR



AFFOR



MARFOR



ARFOR



JSOTF



JTF HQ

## Post-DoD Teleport

Protected

Military EHF/Advanced EHF

Narrowband

Military UHF

C-Band Commercial Wideband

Ku-Band

X-Band

Ka-Band

Military Wideband (SHF)

## DoD Teleport:

- High bandwidth, *multiband, net-centric, circuit switched*
- Media “Junction” for space and terrestrial long-haul communications



# Teleport Integration Overview

- **Description: The Teleport Program Office (TPO) will be competing for an Integration Vendor to assist with the establishment of a new, WestPAC Teleport. Interested vendors should have demonstrated experience with:**
  - Large, Fixed Earth Terminal Installation, and Integration
  - Earth Terminal Intermediate Frequency (IF), Radio Frequency (RF), and Satellite Communications (SATCOM) baseband technologies
  - Earth Terminal Operations
- **RFP is expected in 4<sup>th</sup> Quarter FY13 with an award in 2<sup>nd</sup> Quarter FY14.**
- **Engineering and program support contracting efforts will leverage existing contract vehicles with appropriate scope until GSM-ETI Task Order is in place.**



# Teleport Task Order Forecast

Title	Projected RFP Release	Description
GSM-ETI	2QFY14	Engineering and technical support to Teleport Program Office (PMO)
Teleport Integration and Engineering Support	3QFY14	The Teleport Program Office (TPO) will be competing for an Integration Vendor to assist with the establishment of new WestPAC Teleport
Digital IF	1QFY14	Integration and design support for the replacement of Analog IF switches with Digital IF Switches
Spectral Warrior	2QFY14	Integration of Electro Magnetic Sensors (EMS) into DoD gateways to locate and mitigate interference
ISR	FY14-16	Support the development, fielding, and sustainment of global UVDS capability to support worldwide distribution of FMV to key Warfighting and Processing, Exploitation, and Dissemination (PED) centers
COMMSATCOM Meet-Me	2QFY14	Allows the connection of Commercial Transport network to the DODIN

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# LUNCH

**from 12:15-13:15**



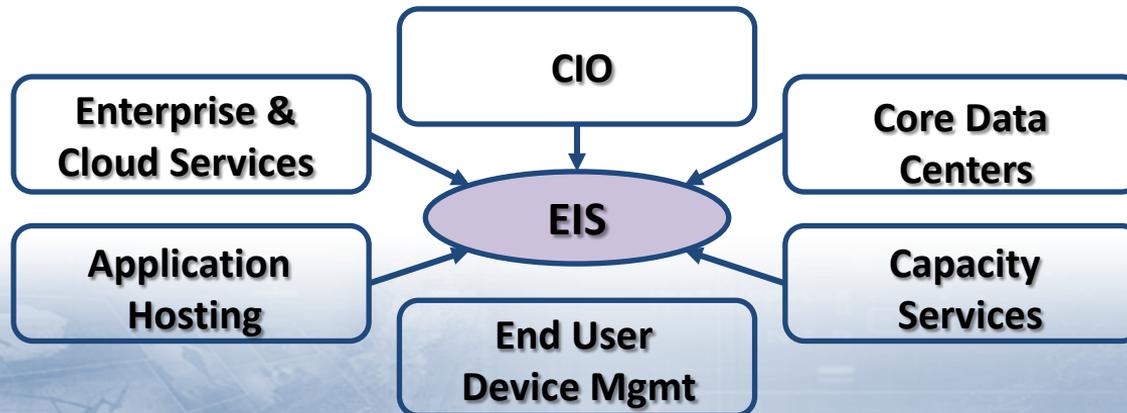
# **Session 4: Data Center & Enterprise Services**

**Mr. Dave Bennett**  
Director, Enterprise  
Information Services

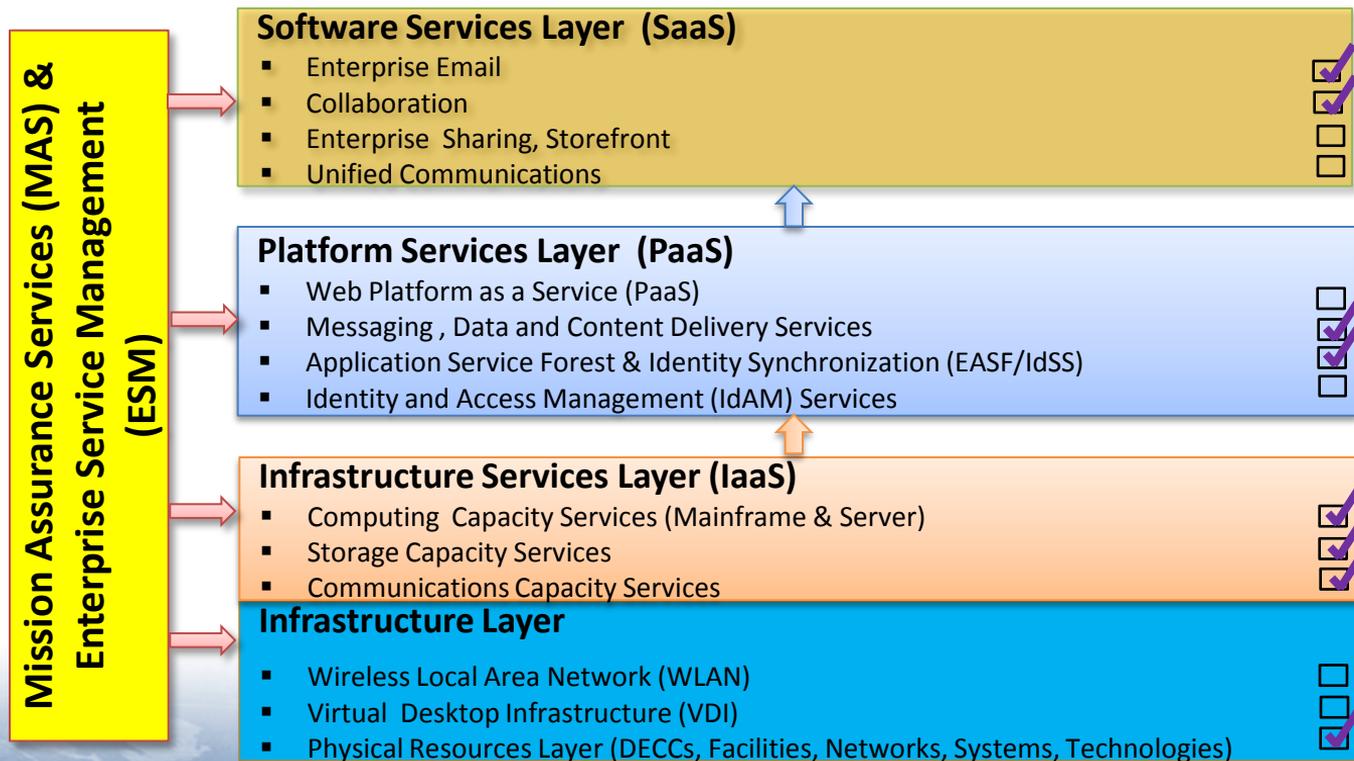


# “Enterprise Information Services (EIS)”

- Convergence of multiple missions
- Unifies Enterprise Capability Development, Implementation and Application Services Sustainment ... *from the Datacenter to the Desktop*
- Brings a true end-to-end perspective to all facets of IT services management
- Integrates Level I, Level II and Level III structures to enhance support from the enterprise back-end to the users at Base, Post, Camp, Station



# Building the Services Cloud



- Enable DOD to reduce cost and improve capability delivery



# Enterprise Cloud Service

## Current and Near Term Portfolio



Any Device,  
Any Location

### Information Sharing, discovery, and Mobility

- DoD Enterprise Portal Service (DEPS)
- DoD Enterprise Email (DEE)
- Content Discovery (aka Enterprise Search/ Enterprise Catalog)
- Defense Connect Online (DCO)

User-Facing  
Applications and Services  
(SaaS)

### Data Analytics

### Big Data Pilots

### Data Services (DaaS)

### Infrastructure Services

- Rapid Access Computing Environment (RACE)
- STAX (Web Platform as a Service (PaaS))

### Identity and Access Management (IdAM)

- Enterprise Directory Service (EDS)
- Open Source Attribute Based Access Control (ABAC)

Machine-Facing Services  
(PaaS)

### Capacity Services

### On Demand Compute Services

### Storage as a Service

### Transport Services

Hosting Services  
(IaaS)

Enterprise Services facilitate secure information sharing to support the enterprise user vision of “go anywhere in the DOD, log in, and be productive”



# Data Center Consolidation for the JIE

DISA DECCs in CONUS to become DoD “Core Data Centers” (ref: DoD CIO Memo Jul 2013)

- Provide the backbone of the JIE infrastructure
- Facilitate implementation of OMB-directed FDCCI
- Consolidation points for computing and storage
- Will host enterprise and cloud services
- Component application migrations to be completed by FY18

## Core Data Center Capabilities:

- Standard design (w/virtualization)
- Shared, on-demand computing
- Defensible, redundant, resilient
- Failover, backup, archiving, COOP
- Assured bandwidth, DISN connections
- Data replication and synchronization
- Standard operations and processes



-- Manage to Availability not Geography

-- Manage to Utilization not Standing Capacity



# Changing the Face of the DECC

## Ongoing Upgrades

- \* Capacity services server technology upgrade
  - Installing modern server technology
  - VOE/host ratios increased from 15:1 to 40:1
  - Servers boot from SAN allowing an OS to be moved from one piece of hardware to another by shutting it down and starting it back up
  - 20% reduction in racks providing the same computing capacity
  - Installing high density “server farms” improving air management
  - Server cabling converted from 1 Gb copper to 10 Gb fiber reducing cabling up to 60% per rack - 60 to 24 cables
- \* Network bandwidth technology increased from 48Gb to 128Gb per rack
  - Above rack cable distribution for more efficient cooling air distribution
  - Reduction in cable management support labor
  - Removed 996 network switches

## Future Plans

- \* Capacity services storage technology upgrade
  - High density storage arrays
  - Improved data center monitoring level of effort with expanded temperature and humidity operating range
  - 40Gb connection to blade servers

## Value Added

- \* Reduction in enterprise rates per OE & GB
- \* Maximizes raised floor datacenter space
- \* Increased capacity, reliability & redundancy
- \* Enterprise consistency & standardization

**...To build Tier III Compliant Core Data Centers**



# Enterprise Information Services Contract Opportunities

Project	Details
Storage Capacity Services (ESS II)	Single award; Firm-Fixed Price (FFP), Indefinite Delivery/indefinite Quantity (IDIQ). RFP to be released 4QFY13; Award in 1QFY14.
Global Content Delivery System (GCDS)	Single award; FFP, ENCORE II Task Order. RFP to be released 1QFY14; Award in 2QFY14.
Virtual Desktop Infrastructure (VDI)	Single award; market research to determine strategy. RFP to be released 2QFY14; Award in 3QFY14.
Wireless Local Area Network (WLAN)	Single award; market research to determine strategy. RFP to be released 4QFY13; Award in 1QFY14.

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# **BREAK**

**Networking with Senior Leaders  
from 14:00-15:30**



# Session 5: Mission Assurance

Mr. Mark Orndorff  
Chief Information Assurance Executive & Program  
Executive Officer for Mission Assurance and Network  
Operations



# DISA Strategy for DoD Cyber Security

- **Build on existing enterprise capabilities**
  - DISA's Operations Support System (OSS)
  - PKI
  - HBSS
  - NIPRNet Hardening (web content filtering, e-mail gateway, DNS hardening, etc)
  - Cross Domain Enterprise Services
- **Posture for the Joint Information Enterprise**

## PRIORITIES

- **Ensure global visibility enabling action**
- **Build trained and ready cyber teams**
- **Create a more defensible architecture**



# DISA Cyber Ops Big Data Analytics Effort

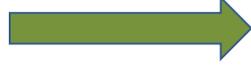
Enterprise

External

## ENTERPRISE SITUATIONAL AWARENESS



WIDGETS



DASHBOARDS

## DIBNET



## Data Sources

Incidents (from DIB Partners)  
Threat Indicators (from DC3)

## ANALYTICAL CLOUD



AGGREGATE  
CORRELATE  
REDUCE



ATTACK ANALYSIS  
INSIDER THREAT  
OPERATIONS SA



DATA TAGGING AND MAPPING

HIGH VOLUME DATA FLOWS

### Data Sources

- Enclave Sensors
- Internet Access Point Sensors
- Host Sensors
- System Sensors
- Incident Reporting
- DISN Infrastructure
- DECC Infrastructure
- DECC Applications

### DATA



### Data Types

- Events
- Alerts
- Logs
- Incidents
- Configuration
- Performance
- Flows

DEFEND

OPERATE

Solution Contains NIPRNet, SIPRNet, and Special Secret Enclave Components

Visualization

Hosting Environments

Data Systems

A Combat Support Agency  
**DISA Systems**

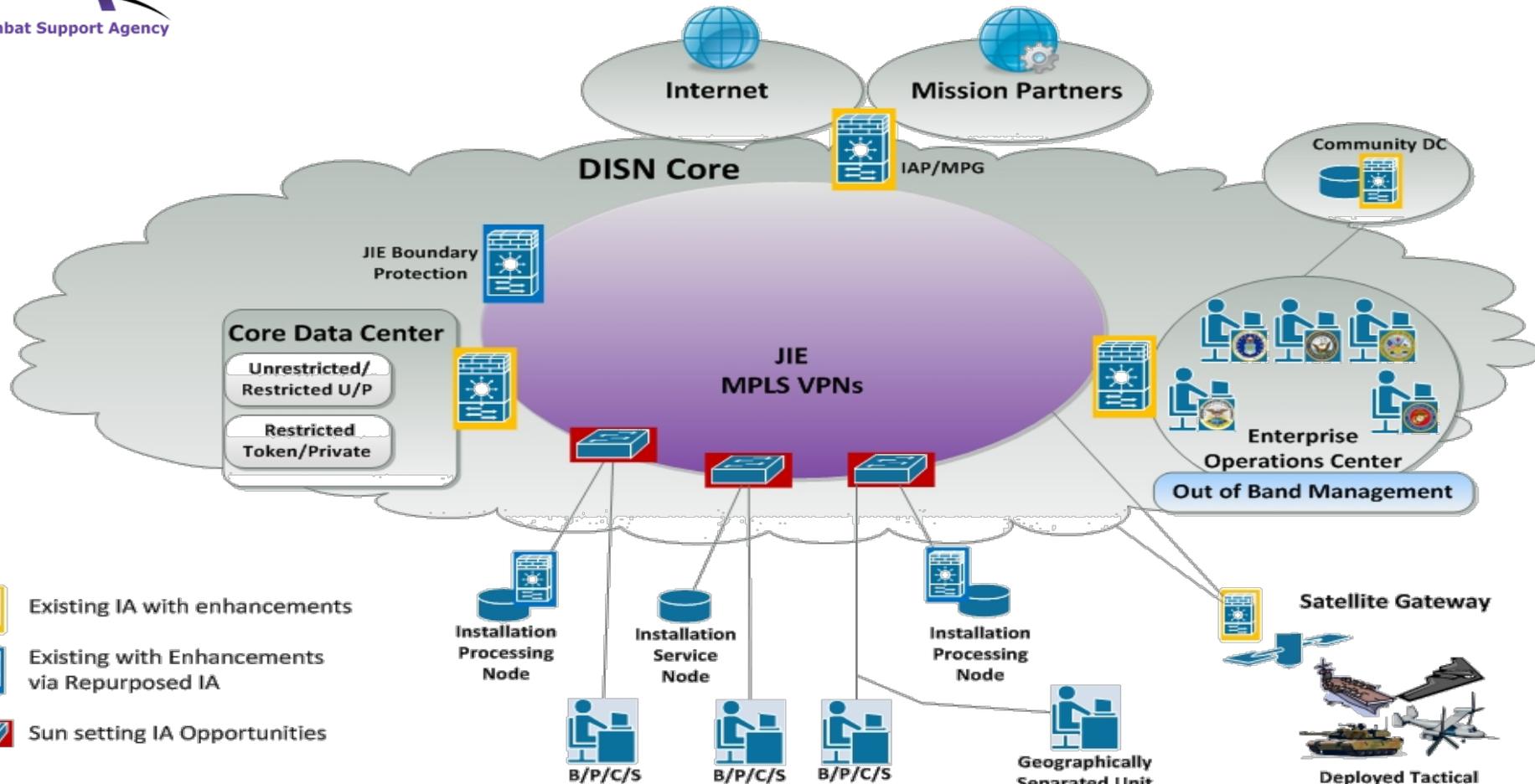
- Global NetOps
- Info Sharing Environ
- Cyber Situational Awareness Analytic Cloud

- Network Defenders Analytic Cloud
- Continuous Monitoring Risk Scoring

- Host Based Security System
- Web Content Filtering
- Enterprise Email Message Security Gateway
- DISN Operational Support System



# JIE SSA Inc 1 FOC



Existing IA with enhancements



Existing with Enhancements via Repurposed IA



Sun setting IA Opportunities



## Next Steps

- Cyber Workforce
  - Training for Cyber Protection Teams
  - Training for Cyber Defenders
  - Practicums and Exercises (individual and unit)
  - Expanded role for Cyber Range
- Single Security Architecture
  - CONUS Transitional initiative
  - JIE Increment 1 in Europe
  - JIE Increment 2 in Pac
- Non-Signature based additions to enterprise defenses
  - Close coordination with NSA
- Insider Threat
- Global Cyber SA with analytics driving actions



# Operations and Sustainment Acquisitions

Project	Details
Joint Regional Security Stacks (JRSS)	Multiple awards, brand name or equal on NASA SEWP for equipment, GSM-ETI for services. RFQs to be released 4QFY13; Award in 4QFY13.
PEO-MA Operations and Sustainment Support	Multiple award, small business set-aside, BPA. RFQ to be released 4QFY13; Award in 4QFY14.
Domain Name System (DNS) Hardening Support	Single award; market research to determine strategy. RFP to be released 1QFY14; Award in 3QFY14.
Acropolis and Sensor Operations	Single award, Encore II, full and open. RFP to be released 1QFY14; Award in 4QFY14.
Web Content Filtering (WCF) Support	Single award; market research to determine strategy. RFP to be released 2QFY14; Award in 4QFY14.

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# Field Security Operations Acquisitions

Project	Details
Information Assurance Technical Reviews	Single award; market research to determine strategy. RFP to be released 4QFY13; Award in 1QFY14.
System and Network Administration	Single award; market research to determine strategy. RFP to be released 4QFY13; Award in 2QFY14.
Security Technical Implementation Guides (STIGS)	Single award; market research to determine strategy. RFP to be released 4QFY13; Award in 2QFY14.
IA Training	Single award; market research to determine strategy. RFP to be released 4QFY13; Award in 2QFY14.
Combatant Command IA Operational Support and Mission Assurance Support Capability (MASC)	Single award; market research to determine strategy. RFP to be released 1QFY14; Award in 3QFY14.
Information Assurance Support Environment (IASE) and DoD IA Portal	Single award; market research to determine strategy. RFP to be released 2QFY14; Award in 4QFY14.

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# Engineering and Software Development Acquisitions

Project	Details
PEO-MA Software Development Support	Multiple award, small business set-aside, BPA. RFQ to be released 4QFY13; Award in 4QFY14.
Gateway Security Engineering	Single award, Encore II, full and open. RFP to be released 4QFY13; Award in 1QFY14.
Mission Assurance and NetOps Support	Single award; market research to determine strategy. RFP to be released 1QFY15; Award in 3QFY15.

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# Information Assurance Solution Acquisitions

Project	Details
HBSS Next Generation	Single award; market research to determine strategy. RFP to be released TBD; Award TBD.
Athena Network Traffic and Anomaly Detection	Single award; market research to determine strategy. RFP to be released 1QFY14; Award in 3QFY14.

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# Summary

- **Aligning all efforts to support JIE**
  - **Global Visibility**
  - **Defensible Architecture**
  
- **Focus on enabling the Cyber Workforce**



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# **Session 6: DITCO Procurements Supporting Non-DISA Organizations**

Ms. Kathleen Miller  
Director, Procurement



Project	Details
Communications Technical Support Services – III (CTSS-III)	Single Award; Indefinite Delivery/Indefinite Quantity contract; Specific contract type for task orders is TBD; Draft RFP expected November/December 2013; RFP release date is January/February 2014
Long Haul Communications (LHC) Support Services	Single award; GSA order; Firm fixed price; RFP release date is December 2013
System Integrator Services (SIS) for the Purchase Card On-Line System (PCOLS) Data Mining (DM) Application	Single award; Indefinite Delivery/Indefinite Quantity contract with firm fixed priced task orders; RFP released July 2013
Commissary Advance Resale Transaction System (CARTS) II	Single award; Indefinite Delivery/Indefinite Quantity contract with firm fixed priced task orders; RFP release date is TBD

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Project	Details
Navy Morale, Welfare, and Recreation (MWR)	Firm fixed priced order against GSA IT Schedule 70, SIN 132-54, COMSATCOM Transponded Capacity; RFP release date is TBD
Navy Commercial Broadband Satellite Program (CBSP)	Firm fixed priced order against GSA Future COMSATCOM Services Acquisition (FCSA) Custom SATCOM Solutions (CS2); RFP release date is TBD
US Special Operations Command (SOCOM) Blanket Purchase Agreement (BPA)	Firm fixed priced single blanket purchase agreement (BPA) against GSA IT Schedule 70, SIN 132-55, COMSATCOM Subscription Services; RFP release date is TBD
Army BGAN Secure Terrestrial Access (BSTA) Blanket Purchase Agreement (BPA)	Firm fixed priced single BPA against GSA IT Schedule 70, SIN 132-55, COMSATCOM Subscription Services; RFP release date is TBD

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Project	Details
Cisco Smartnet/DoD Joint Enterprise Licensing Agreement (JELA)	Single award; Indefinite Delivery/Indefinite Quantity with firm fixed priced orders; RFP release date is late August 2013
Adobe Products/DoD JELA	Single award; Indefinite Delivery/Indefinite Quantity with firm fixed priced orders; RFP release date is late August 2013

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