

MG JENNIFER NAPPER
COMMANDING GENERAL



NETCOM

2012 CO/SES SUMMIT

Iraq / Afghanistan / Honduras / Qatar / Djibouti / Kuwait / Turkey / Cuba /
Netherlands / Kosovo / Poland / Korea / Japan / Okinawa / Belgium /
United States / Germany / Italy / UK / Colombia / Guam

▶ **The Army's Single IT Service Provider**

▶ **Embracing Cyber Operations and Attaining Information Superiority**

▶ **Build & Operate the Army's Global Network**

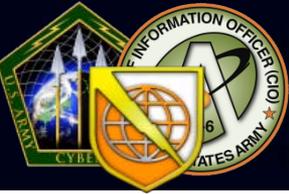


Network Enterprise Technology Command

16,000 Soldiers, Civilians & Contractors
Working in More Than **21** Countries

MISSION

NETCOM plans, engineers, installs, integrates, protects, operates and defends Army Cyberspace, enabling Mission Command through all phases of Joint, Intergovernmental and Multinational (JIIM) operations.



Defense Strategy Guidance

SUSTAINING U.S. GLOBAL LEADERSHIP: PRIORITIES FOR 21ST CENTURY DEFENSE



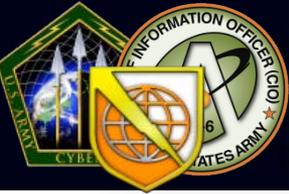
JANUARY 2012

“Operate Effectively in Cyberspace and Space. Modern armed forces cannot conduct high-tempo, effective operations without reliable information and communication networks and assured access to cyberspace and space. Today space systems and their supporting infrastructure face a range of threats that may degrade, disrupt, or destroy assets. Accordingly, DoD will continue to work with domestic and international allies and partners and invest in advanced capabilities to defend its networks, operational capability, and resiliency in cyberspace and space.”

-- Sustaining U.S. Global Leadership:
Priorities for 21st Century Defense (SECDEF)

“Operate Effectively in Cyberspace and Space: DoD will continue to invest in advanced capabilities to defend its networks, operational capabilities, and resiliency in space and cyberspace.”

-- Defense Strategic Change: Primary
Missions of the U.S. Armed Forces



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Leadership Direction



“...reforming and restructuring the Institutional Army - the Generating Force - to reflect the same innovation and adaptability we have in our Operating Force is critical to maintaining our operational capability.”

HON John M. McHugh
Secretary of the Army
September 2011

“Army forces do not operate independently but as part of a larger Joint, interagency...Effective integration requires creating shared understanding and purpose through collaboration.”

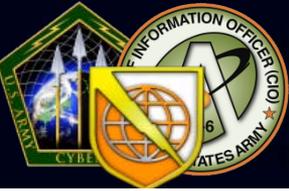
Gen. Raymond T. Odierno
Army Chief of Staff
January 2012



“When the soldier hits push-to-talk I want him to be able to bring the full power of the entire U.S. military to bear at the point of need...the network makes that possible...that's what's keeping folks alive.”

Gen. Lloyd J. Austin III
Army Vice Chief of Staff
(Director of Staff, Joint Staff, August 2009)

The Information Technology Network is One of the Army's Top Modernization Priorities

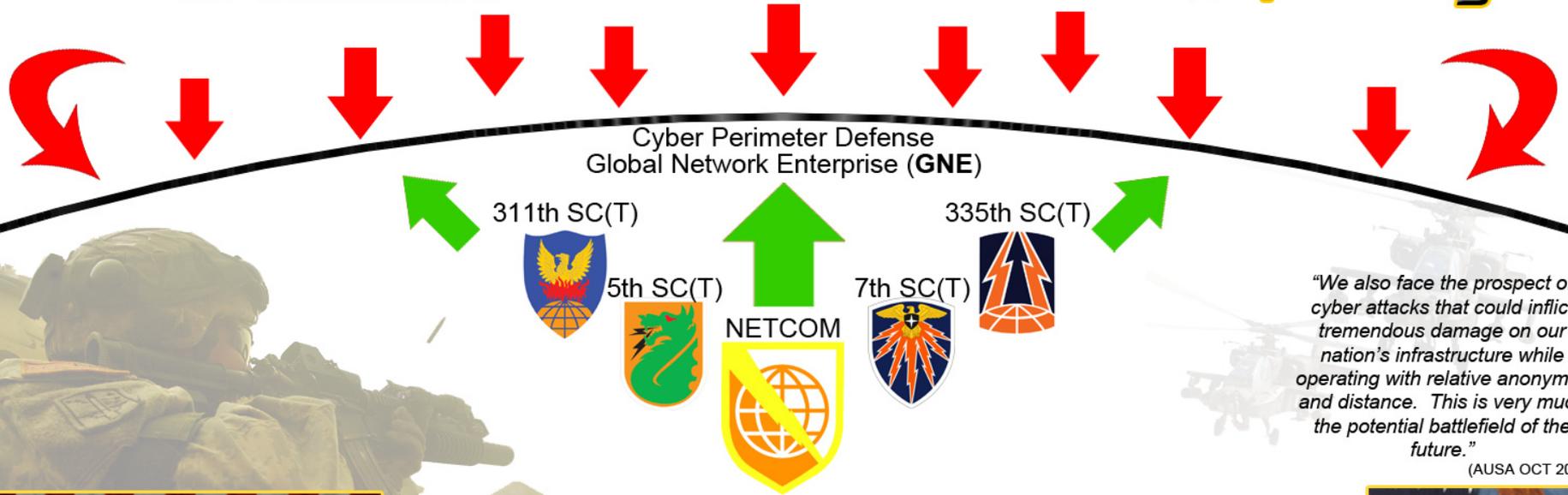


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Cyber Threat



Over 3 Million incidents stopped at the edge per day



"We also face the prospect of cyber attacks that could inflict tremendous damage on our nation's infrastructure while operating with relative anonymity and distance. This is very much the potential battlefield of the future."

(AUSA OCT 2011)



Barack Obama
President of the United States

38K incidents per year requiring action:

- Identify and Isolate Threat
- Enhance Security Posture
- Issue Alerts and Orders
- Eliminate Threat



Leon E. Panetta
Secretary of Defense

Improve Fighting Position

- Information Technology Asset Management (ITAM)
- Unity of Effort
- SIPR Redesign
- IT Management Reform

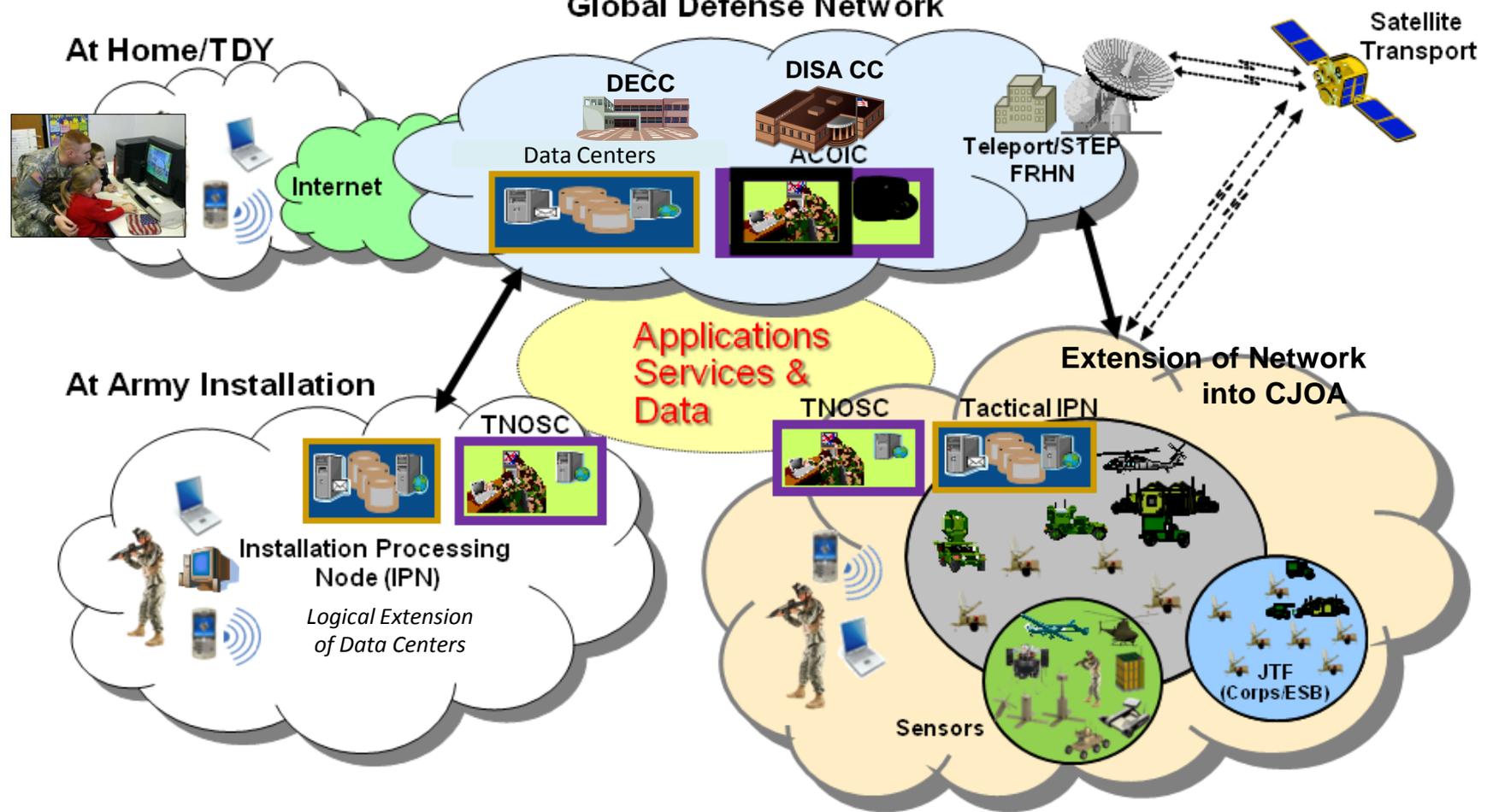
"To stay one step ahead of our adversaries, I've already sent this Congress legislation that will secure our country from the growing dangers of cyber-threats." (State of the Union Address 2012)



Build Towards A More Defendable Network

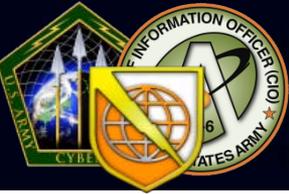
Defense Critical Capabilities: See, Know, Do

Global Defense Network



Reset (Phases 0-1) ↔ Transition ↔ Deploy (Phases 2-5)

Network Critical Requirements: Joint, Resilient, Defendable



Transformation Lines of Effort

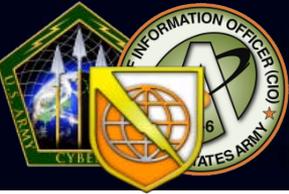
Objective:

A Global Enterprise Network that supports the Army's imperatives to Prevail, Prepare, Prevent and Preserve



Foundational Elements

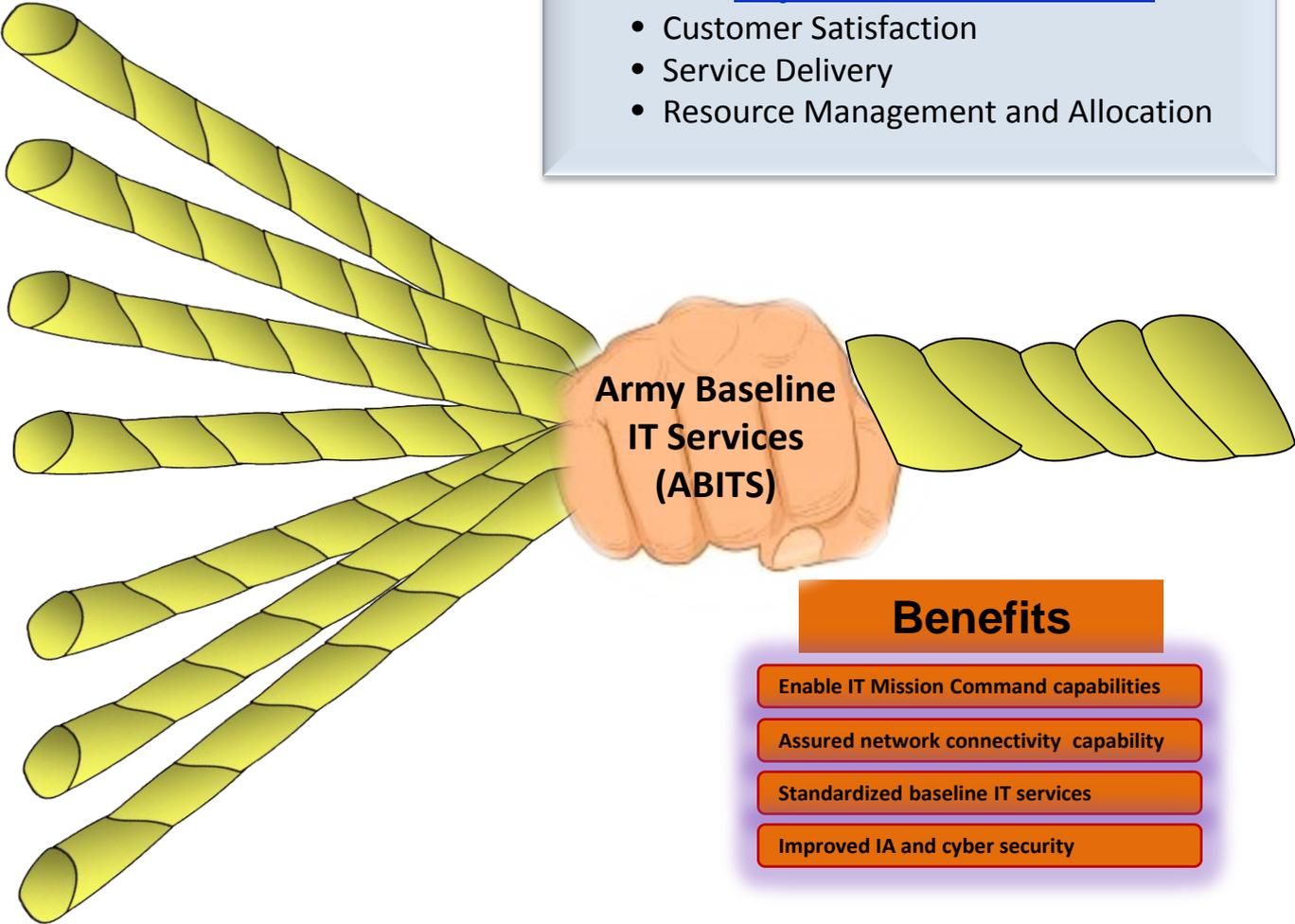




Transforming IT Service Management

NETCON ABITS Synchronization Efforts

- ✓ Establishment of the ABITS Governance Framework
- ✓ Normalized Baseline IT Service Standards
- ✓ Transparency of IT cost
- ✓ Elimination of redundant activities
- ✓ Leverage Enterprise Initiatives and Services
- ✓ Rebalanced IT Workforce
- ✓ Local and regional contracting solutions
- ✓ Standardization of industry best practices
- ✓ Improved performance management and analytics
- ✓ Service Management Architectural Framework
- ✓ Mitigate infrastructure capability gaps to acceptable performance levels



Key Performance Criteria

- Customer Satisfaction
- Service Delivery
- Resource Management and Allocation

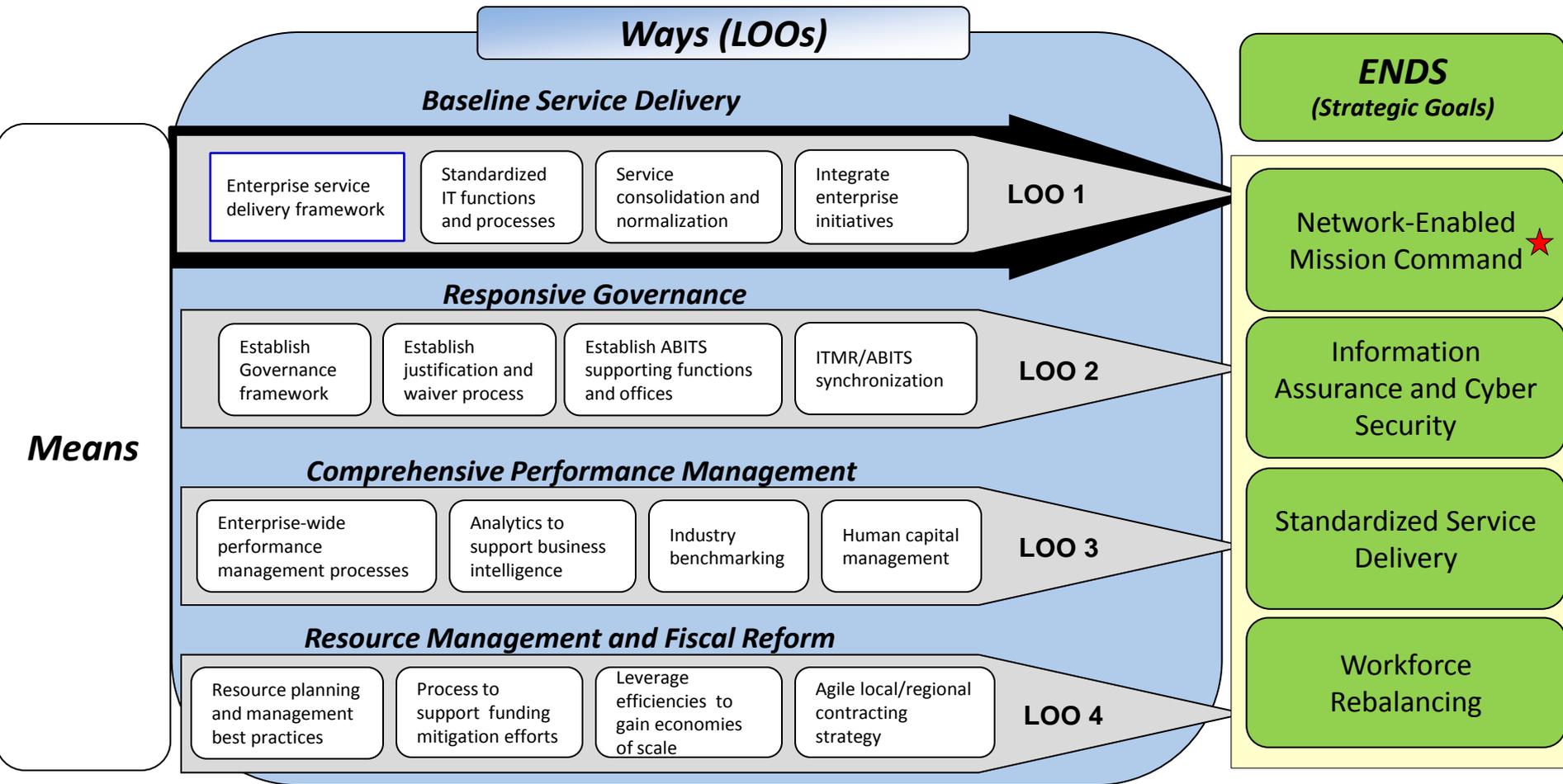
Benefits

- Enable IT Mission Command capabilities
- Assured network connectivity capability
- Standardized baseline IT services
- Improved IA and cyber security

Constraint: Delivering only Affordable and Supportable IT Solutions

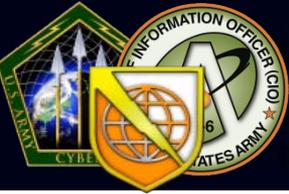


ABITS LOOs (Means/Ways/ Ends)



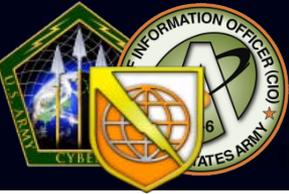
★ Mission Command defined as C2, Situational Awareness, and Distributed Computing

Mission: Standardize, Rationalize, Normalize, and Consolidate Army IT Service Delivery to Support IT Management Reform through Increased Efficiency and Effectiveness



ABITS Pilot Objectives (Fort Bliss/Drum)

- **All baseline services provided by NEC at an acceptable and normalized level**
 - Eliminate service offering ambiguity
 - Standardize functions, processes, and service levels for affordability
 - Revise performance metrics and standards
 - Resource transfer and consolidation
- **All above baseline and mission unique services identified and documented**
 - Alignment with new local and regional IT Service Contracting Strategy
 - Formulate strategy to provision capabilities through NEC or SC (T)
 - Develop Service Level Agreements and associated costs
- **Document future changes in ABITS service provisioning**
 - Identify/evaluate future changes to baseline service offerings, performance measurement, and performance standards
 - Determine workload, organizational, and other Human Capital gaps (i.e. skill set gaps, job descriptions, training, organizational structure, etc)
 - Establish capability gaps and funding mitigation strategy to support POM 15-19



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Enterprise Email

- Army has migrated **311,381** users
- NIPRNet Master Schedule (v15) has been posted on the portal
- Army intends to resume migrations on 19 March (HQDA)
 - HQDA 19, 20, 21, 26, and 28 March
 - Ft. Myer/Ft. McNair 26 – 28 March.
- CONUS migrations began 19 Mar 12 (HQDA). Ft. Myers will begin migration on 26 Mar 12. 825 out of 830 HQDA migrations were successful, 5 errors due to persona not matched.
- NETCOM will migrate the Joint Staff (approximately 6,000) in June 2012. Tentative planning for an operational test in early April. OPT is coordinating with the PEO, CIO/G6, DISA, and Joint Staff POCs on a recurring basis.
- Italy Migrations. 131 users are scheduled for Apr 2.



Enterprise Initiatives

- Enterprise Email
- IT Asset Management
- ID Management
- Joint Enterprise Network
- Army Data Center Consolidation
- Unified Golden Master
- Installation Information Infrastructure Modernization Program
- Enterprise Directory Services and Authentication
- Host-based Security System
- Army Enterprise Service Desk

MG Jennifer Napper
Commanding General



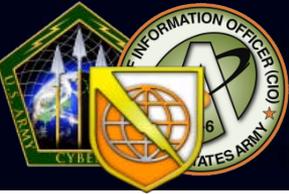
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NETCOM FUTURES FFRDC WORK



Mr. Daniel Bradford
Senior Executive Service
Deputy to the Commander/Senior
Technical Director/Chief Engineer

23 March 2012

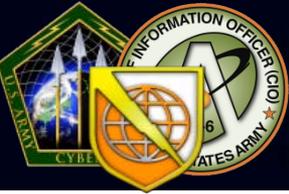


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Carnegie Mellon/MITRE

- *Carnegie Mellon, Software Engineering Institute and CERT*
 - *SIPRNET*
 - *Insider Threat*
 - *Resilience Management*
 - *Cyber Force Development VTE/XNET*
 - *Network Situational Awareness*
 - *Common Operating Picture (COP)*
 - *Real Time Detection and Predictive Analytics*
 - *Authentication*
- *MITRE*
 - *Cyber Playbook*
 - *Mobile Devices*
 - *Cloud Services*
- *Leveraging Research*



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NETCOM FUTURES FFRDCs



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**The Army is the strength of the Nation.
Soldiers are the strength of our Army.
Our families are the strength of our Soldiers.**

