

Nov 2014

AUSA ILW Breakfast



LTG Robert Ferrell
Chief Information Officer/G-6





CIO/G-6 Priorities



Providing Signal Capabilities to the Force

Enhancing Cyber Security Capabilities

Increasing Network Throughput and Ensuring Sufficient Computing Infrastructure

Delivering IT Services to the Edge

Strengthening Network Operations (NetOps)

Army Efforts (FY15-18):

Improving Deployed Operations & Split-Base Ops

- Driving End-to-End Focus
- L/V/C Tng & IaaS

Robust Mobile Environment



Classified Capabilities –

- NextGen Device, Samsung S4: Oct 14
- Addition of Mobile Device Manager and Data at Rest: Nov/Dec 14
- **Unclass** – DISA Will Upgrade & Release New Capabilities Quarterly



Multi Protocol Label Switching (MPLS)

- 13 CONUS Installations FOC (Jun 15)
- OCONUS – SWA Contract Awarded
- Additional #s Pending Funding

Cloud Computing (FY15/16)



Unified Capabilities Voice, Video, IM/Chat, Presence, & Screen Sharing

- Soft UC to ~426K Users (FY15)
- Joint RFP (1QFY15) / Contract (3QFY15)

Maturing the Workforce (Mil & Civ)

- Integrating Signal/Cyber Common Core Curriculum
- Career Program 34 – Incorporating Cyber (FY15)
- Seeding Cyber Branch



Joint Regional Security Stacks (JRSS)

- 11 CONUS/3 OCONUS (by 3QFY15)
- Begin SIPR Implementation (FY15)
- E2E Visibility – First Time (FY18)

Data Center Consolidation

- FY15 Objective: 366 Closures
- FY16 Objective: 466 Closures
- FY18 Target Goal: 533 Closures

Applications & Sys Migration

- Go/No-Go Execution at Redstone (15 Dec)
- Extend to Other Large Data Ctrs (FY15-18)



Single Service Mgt System for Entire Network (NetOps)

- Improve Ability to Monitor, Operate and Maintain – Award Contract (FY17)
- Efficient Operations & Savings
- Component of Joint Mgt Sys (JMS)



NetMod Install Status



Security (JRSS)

Capacity (MPLS)

Last Mile (Switches)

Region	Site	Install Complete
CONUS	JBSA	Complete
	OKC	12/30/2014
	Montgomery	Complete
	Mechanicsburg	12/30/2014
	Ft Bragg	12/30/2014
	Ogden	03/30/2015
	Columbus	02/15/2015
	St Louis	01/15/2015
	Ft Belvoir	01/15/2015
	JB Lewis McCord	04/30/2015
San Diego	04/30/2015	
Europe	Wiesbaden	Complete
SWA	Arifijan	03/30/2015
	Al Udeid	03/30/2015
	Bahrain	03/30/2015

Region	Site	Install Complete
CONUS	JBSA	Complete
	Ft Sill	12/31/2014
	Ft Bragg	Complete
	Ft Meade	11/31/2014
	Red River	03/06/2015
	Ft Hood	11/17/2014
	Ft Belvoir	12/05/2014
	Ft Gordon	11/29/2014
	Ft Benning	04/30/2015
	Ft Rucker	09/30/2014
	Europe	Wiesbaden
Patch Barracks		11/31/2014
Granwoehr		12/24/2014
Capodichino		01/24/2015
Ramstein		01/24/2015
SWA	Molesworth	12/24/2014
	Ederle	01/27/2015
SWA		

Region	Site	Switches Installed
CONUS	JBSA	Complete
	Ft Sill	99%
	Ft Bliss	Complete
	Ft Stewart	98%
	Redstone	97%
	Ft Polk	83% LCR only
	Red River	Complete
	Ft Hood	75%
	Ft Jackson	29%
	Anniston AD	03/10/2015
	WSMR	03/14/2015
	Ft Benning	03/16/2015
	Ft Rucker	03/03/2015
Europe		
SWA		

Doing Work in 2 Major Phases – Install and Switch Over

■ Complete
 ■ In Progress
 ■ Not Started

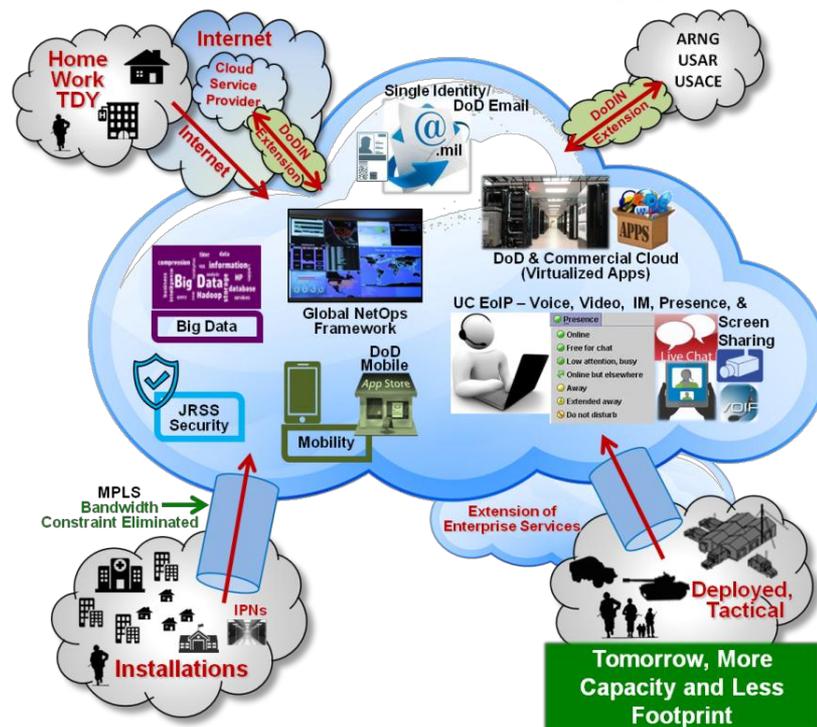
Updated: 17 Oct 2014



FY15 Focus Areas



- Joint Regional Security Stacks(JRSS) / Multi Protocol Label Switching (MPLS)
- Data Center Consolidation
- Unified Capabilities
- Joint Base San Antonio Pilot
- Redstone Arsenal Large Data Center Pilot
- Commercial/Government Cloud Pilot
- Single Service Management System (JMS)
- Enterprise Service Migration
- Mission Command Network/Institutional Network
- En Route Mission Command (EMC2) and Early Entry Command Post (EECP)
- Common Operating Environment (CP CE)
- Home Station Mission Command





Network 2025 and Beyond



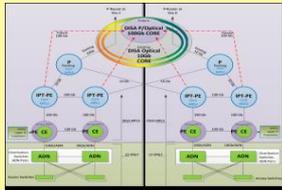
Enabling Success – Today and Tomorrow

Joint Regional Security Stacks (JRSS)



- Establishes a Single, Joint Security Architecture
- Reduces 'attack' surface by 500x
- Improves Cyber Intel through 'big data' analytics
- Eliminates Regional and Service stovepipes
- Enables a Global network

Capacity Upgrade



- Increased network 'speed' and performance
- Virtual traffic management via Multi Protocol Label Switching (MPLS)
- Unlimited comms 'pipes' to every installation
- Eliminates Network single points of failure
- Lays the foundation for the Army 'cloud'
- Enables network convergence

Installation Modernization



- Extends modernization to the desktop
- Dramatically improved performance at user level
- Eliminates installation level single points of failure
- Establishes common tech standards across our Army
- Drives network convergence

One Network Strategic/Tactical Integration



- Establishes a plug and play architecture
- Integrates Soldiers into daily operations -- no Signal Soldier at rest
- Enables a single identity with persistent access to resources
- Eliminates training cost by utilizing existing network
- Converges the network

Enterprise Services -- To the Edge



- Standardizes Voice, Video, and Chat capabilities
- Provides assured services to the user; anywhere, anytime
- Drives single identity to eliminate insider threats
- Alleviates complicated troubleshooting
- Enables network 2020

Building a Joint, Defensible Network that Provides Seamless Mission Command ... Anywhere, Anytime

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