

CIOG6.ARMY.MIL

Army Enterprise IT

Federal Networks Conference 2016



CIO/G-6

ENABLING SUCCESS

For Today and Tomorrow



Mr. Gary Wang
Deputy CIO/G-6
February 18, 2016



Agenda



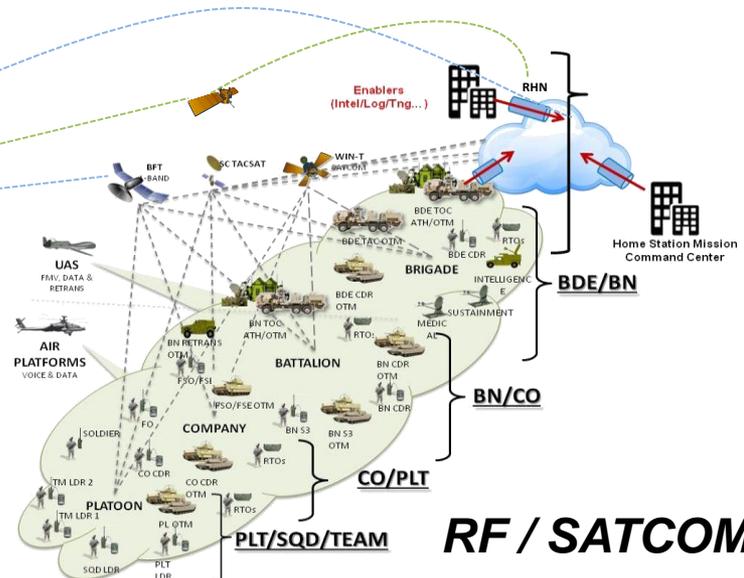
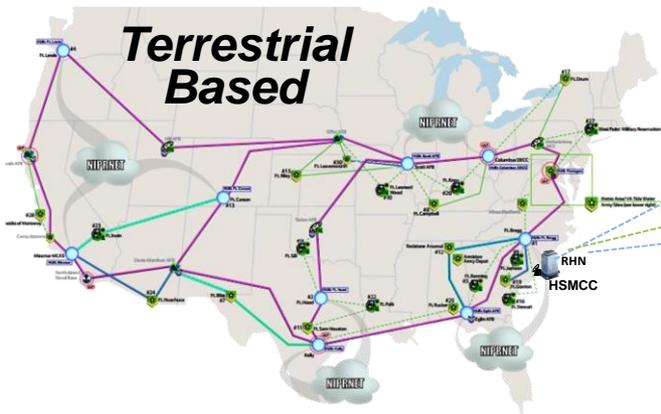
Enterprise IT Initiatives

- Accelerate JRSS/MPLS/ICAN (CONUS and Europe)
- ARNG/USAR/USACE Network Convergence
- Cloud Strategy and Redstone Private Cloud Pilot
- Unified Capabilities: Soft Client
- Enterprise Mobility
- Cybersecurity Initiatives (Tools, Training, Personnel)



One Army Network

Extending Enterprise Data and Services to the Tactical Unit



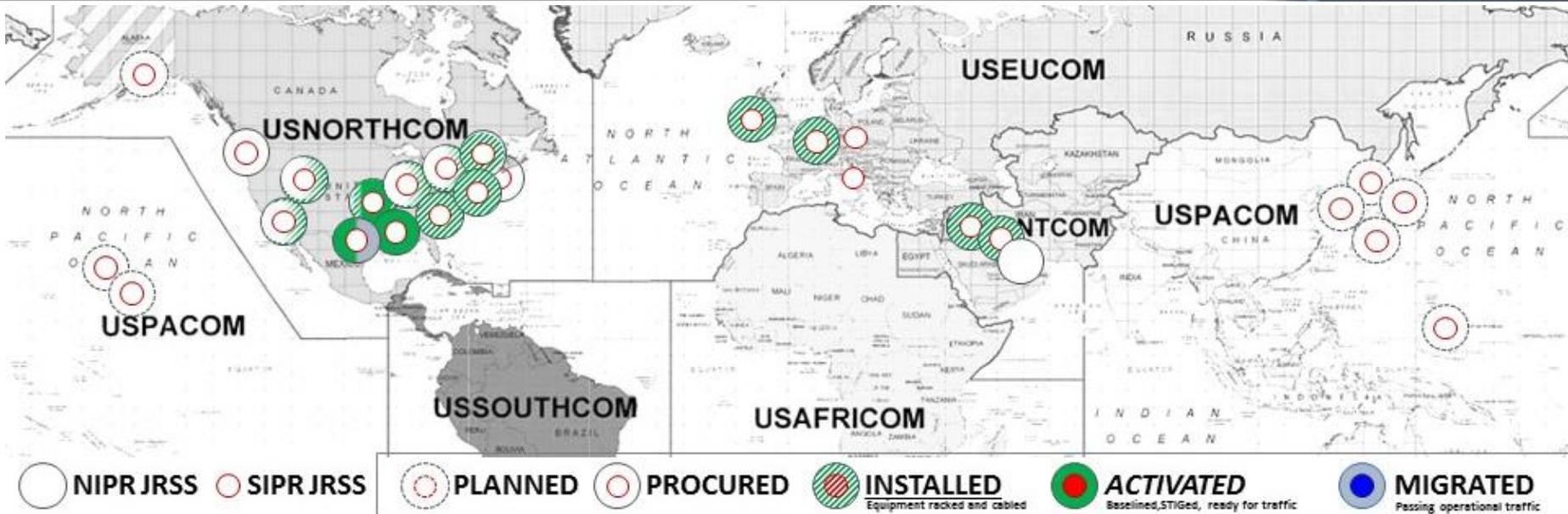
- Army heavily partnered with DoD to build out the Joint Information Environment
- Must enable expeditionary operations by
 - Distributing data, applications, and services enroute
 - Reaching forward and back through converged transport network – leveraging strategic infrastructure at the forward edge
- Data, applications, and services will reside in a distributed cloud environment

End-to-End Tactical Information Flow Threads

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> SIPR Email | <input type="checkbox"/> Medical |
| <input type="checkbox"/> NIPR Email | <input type="checkbox"/> Logistics |
| <input type="checkbox"/> SIPR Email | <input type="checkbox"/> Intelligence |
| <input type="checkbox"/> SIPR Voice | <input type="checkbox"/> Full Motion Video |
| <input type="checkbox"/> Chat | <input type="checkbox"/> Mission Command & Position Location Information (PLI) |
| | <input type="checkbox"/> Computing Infrastructure & NetOps |



NETMOD and Migration to JRSS



Migration Completed



Migration Dependencies:

1. ICAN (DA)
2. JRSS (DISA)
3. Capacity (DISA)
4. MPLS (DISA)

Estimated population migrated behind JRSS: >100,000

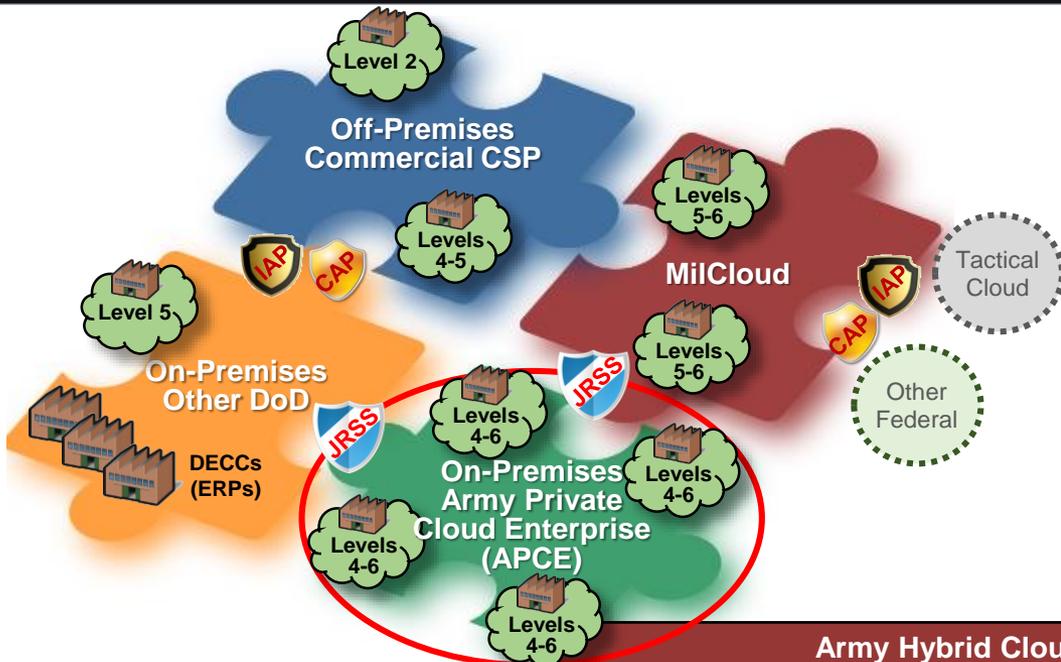
Migration Planned for FY16



Acceleration Reduces Cyber Attack Surface and Enables Earlier Divestiture
 — Pace of Acceleration Depends on Available Resources —

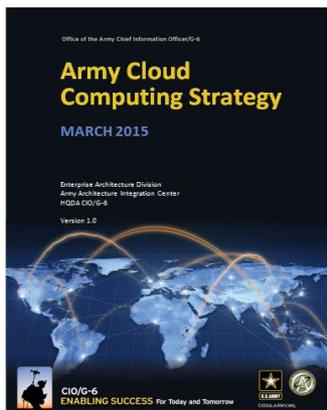


Hybrid Cloud Environment



Data Impact Levels:

- Level 2: Publicly Releasable
- Level 4: Non-National Security Systems (NSS) including PII/PHI
- Level 5: FOUO and Unclassified NSS
- Level 6: SECRET



Army Hybrid Cloud Computing Deployment Models						
On-Premises DoD network & facilities			Off-Premises Non-DoD federal or commercial facilities. Must be within defined U.S. jurisdictional areas only.	Off-Premises Non-DoD federal or commercial facilities. Must be within defined U.S. jurisdictional areas only.	Operationally Deployable	
Gov't Owned Gov't Operated (GOGO)	Gov't Owned Commercially Operated (GOCO)	Commercially Owned Commercially Operated (COCO)	Federal Tenants Only	Federal and Non-Federal Tenants	Army Tactical Infrastructure	
DoD Community/Private Clouds			Federal Community Cloud	Public / Federal Community Cloud	DoD Community / Army Private Cloud	
Cloud Computing Security Requirements Guide Impact Levels 2, 4, 5, 6			Cloud Computing Security Requirements Guide Impact Levels 2, 4, 5, 6	Cloud Computing Security Requirements Guide Impact Levels 2, 4	Cloud Computing Security Requirements Guide Impact Levels 4, 5, 6	



Unified Capabilities: Soft Client



- **Standardized collaboration services – reduced operating and sustainment costs**
- **Initial Actions: Conduct Analysis of Alternatives, request Material Development decision, and develop Performance Work Statement**
- **Objectives**
 - Transition eligible users to VoIP by FY16
 - Provide Enterprise-wide UC Client in FY17
 - Transition to IP VTC

UC Soft Client Service Functional Requirement	
CAPABILITIES	<ul style="list-style-type: none"> • Voice • Video • Presence • Instant Messaging/Chat • Screen Sharing (Desktop Sharing)



Rolling Out Enterprise Mobility



- **BYOD vs SYOD**
- **Mobile Device Management – supporting functional domains**
- **Derived credentials**
- **Biggest challenge is getting there fast enough**

Empowering the Army workforce from any location at anytime



<https://itunes.apple.com/us/artist/tradoc-mobile/id960437358>



<https://play.google.com/store/apps/developer?id=TRADOC%20Mobile&hl=en>



<https://www.windowsphone.com/en-US/store/publishers?publisherId=US%2BArmy%2B>



Cybersecurity



Security / Cyber

- Cyber and hacker security threat solutions
- Data at Rest security software
- Security/bandwidth architecture solutions (MPLS/JRSS/JMS)
- Computer network defense service provider
- Insider threat mitigation - user activity monitoring



Network Tools

- Network visibility/situational awareness
- Risk management assessments (Network Accreditation)
- Data/behavior analytics
- End-to-end Identity and Access Management Public Key Infrastructure



U.S. ARMY



Questions



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