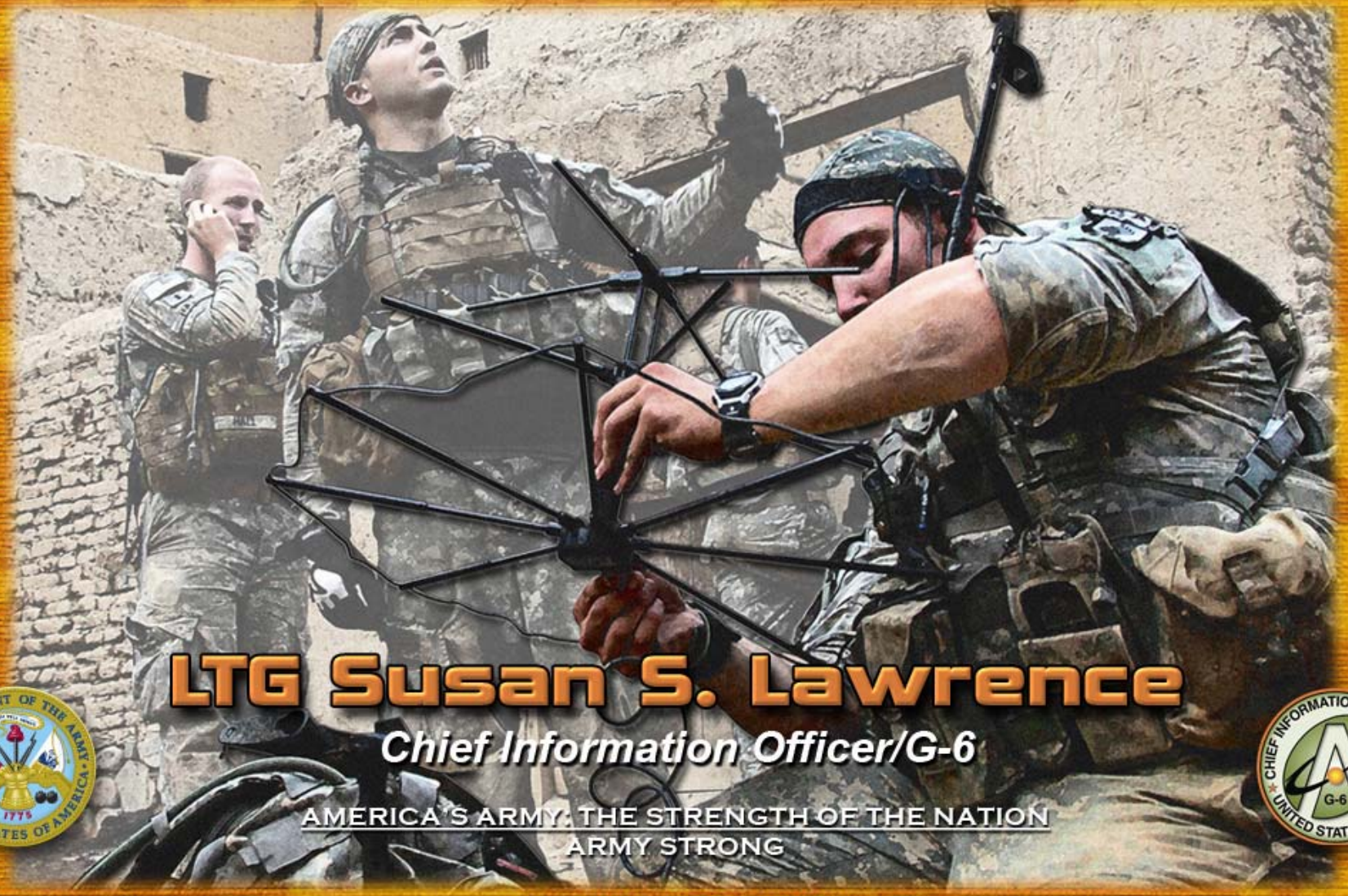
Army CIO/G-6 GO-SES Summit

Strategic Vision



LTG Susan S. Lawrence

Chief Information Officer/G-6

AMERICA'S ARMY: THE STRENGTH OF THE NATION
ARMY STRONG

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Agenda

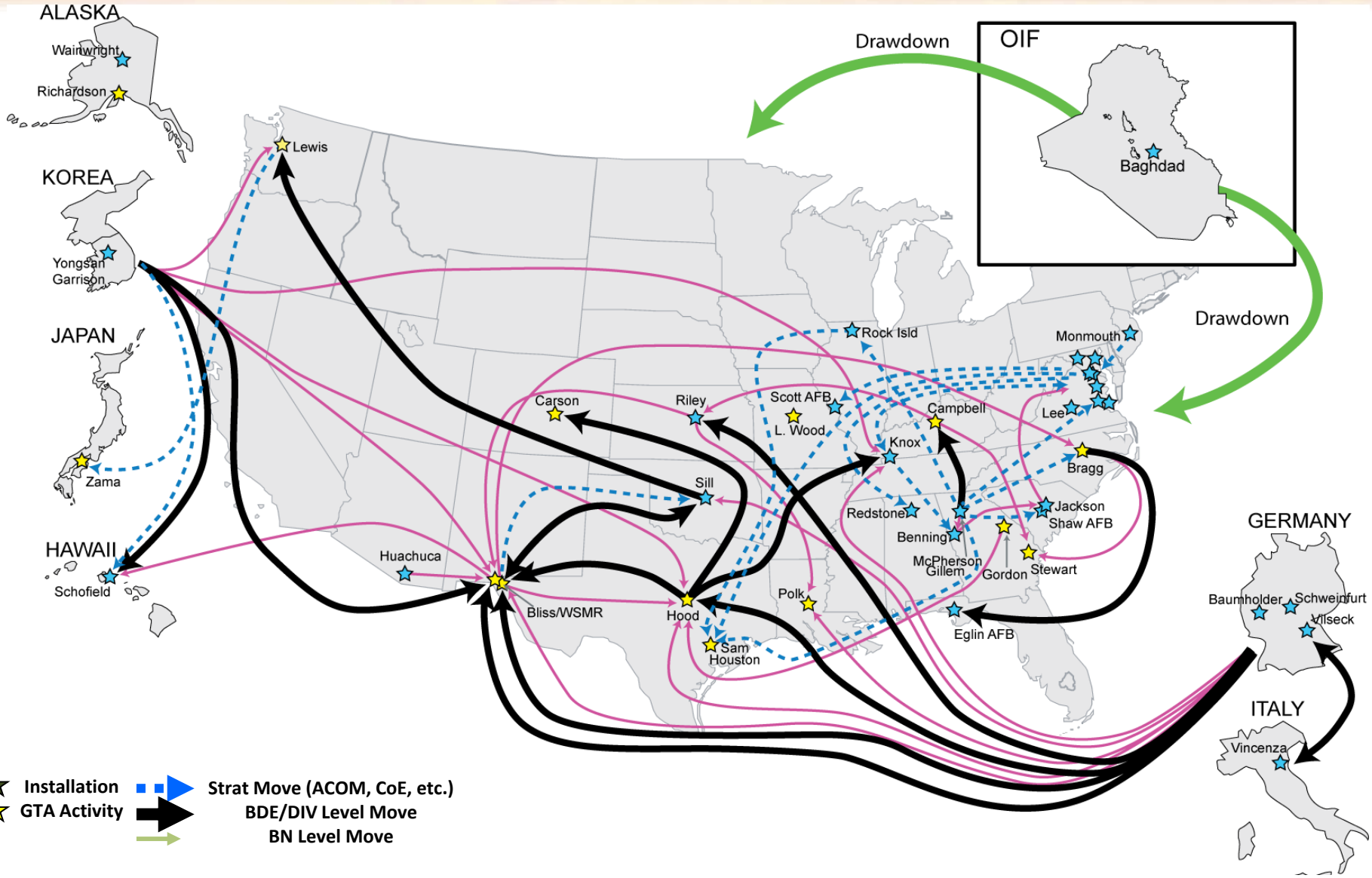
- What's Driving Change – The Situation
- The Challenges & The Changes
- Strategic Vision - Network Transformation
- Brigade Modernization Command
- Take Aways
- Questions & Thoughts

Communication Is Key

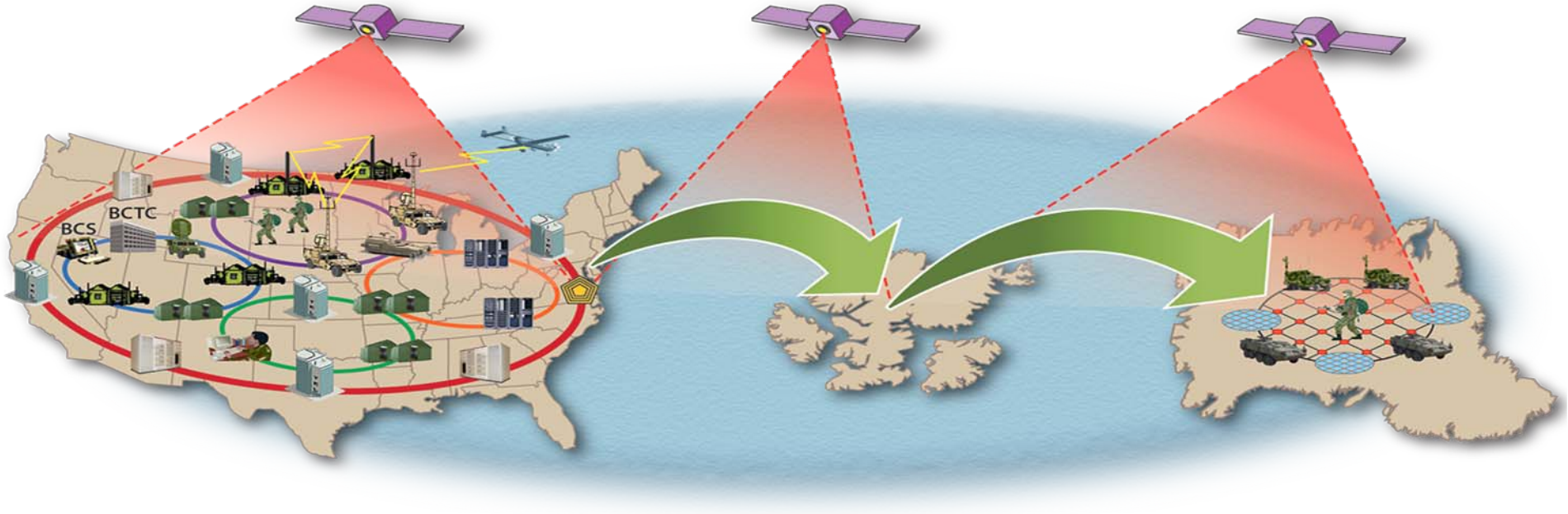
BLUF - It is All About the Soldier on Point for Our Nation

- Challenge is Communicating What the Army's **Network** Really is…
  - It is Global and Requires Assured Access
  - It is Provisioned from the Enterprise, Where Feasible
  - It is Secure, Reducing Operational Risk
  - It is Standards-Based to Ensure Interoperability
  - It is Efficient and Affordable
  - It is More Effective, Improving Collaboration and Situational Awareness

An Army On The Move



CONUS Based & Expeditionary



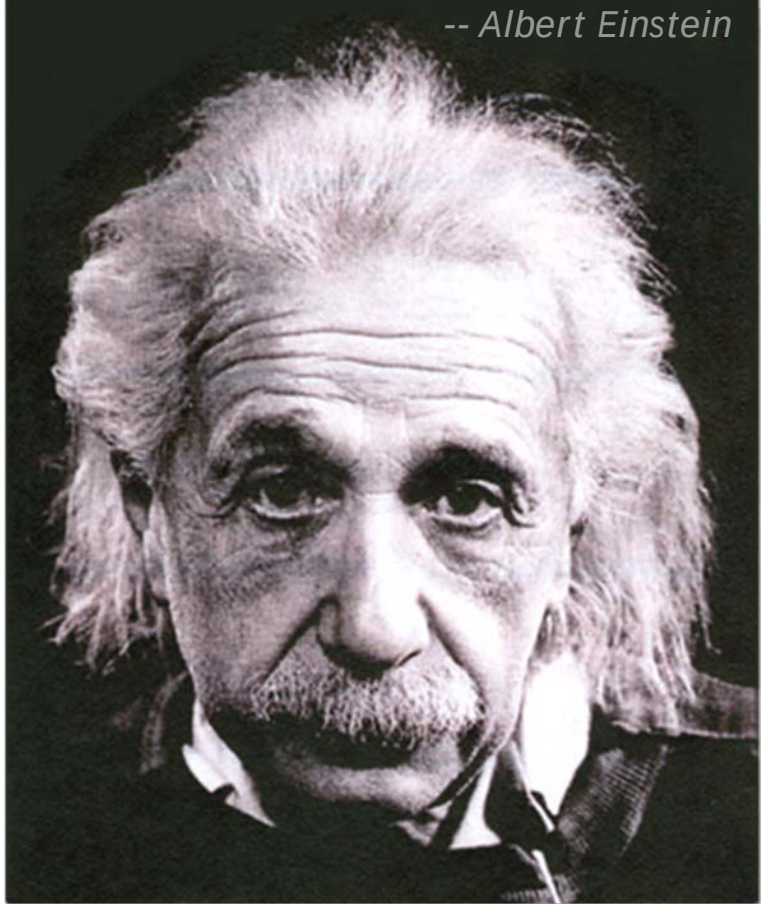
"We're building an Army that is a versatile mix of ***tailorable*** and ***networked*** organizations operating on a ***rotational basis*** … to provide a ***sustained flow*** of trained and ready forces for ***full spectrum operations*** … and to hedge against ***unexpected contingencies*** … at a tempo that is predictable and sustainable for our ***all-volunteer force***."

– Chief of Staff Army, 6 Apr 2010

The Challenges

"Insanity: Doing the same thing over and over again and expecting different results."

-- Albert Einstein



Legacy Practices

- **We're Over-Spending**
- **Duplicating Efforts**
- **Increasing Risk for Network Vulnerabilities**
- **Non-Standard Network Tools**
- **Stove-Piped IT Enclaves**
- **Help Desks at Every Installation**
- **Multiple Contracts for IT Services, Hardware Maintenance & Software Licenses**
- **Individual Software Licenses vs Enterprise License Agreements**

We Can't Afford to Have Everyone Stand up Their Own Network

The Changes

It's More Than Just Savings:

- ✓ *Increased Security*
- ✓ *Increased Network Agility*
- ✓ *Rapid IT Modernization*
- ✓ *Reduced Operational Risk*
- ✓ *Improved Collaboration & Situational Awareness*

Emerging Practices

- **Operationalize LandWarNet**
- **One Army Network Approach - Network Integration**
- **Achieve Enterprise Efficiencies; While Maintaining Warfighter Effectiveness**
- **Incremental Approach to Modernization with "Capability Sets" – Buy Less, More Often**
- **Dramatically Improve Network Defense**
- **Deploy in Any Joint, Interagency, Intergovernmental, and Multinational (JIIM) Environment**

One of Our Biggest Challenges is Changing Our Collective Behaviors, Perceptions, and Attitudes or Said Another Way…Our Culture

Army Network Transformation

Change is Good…You First!!

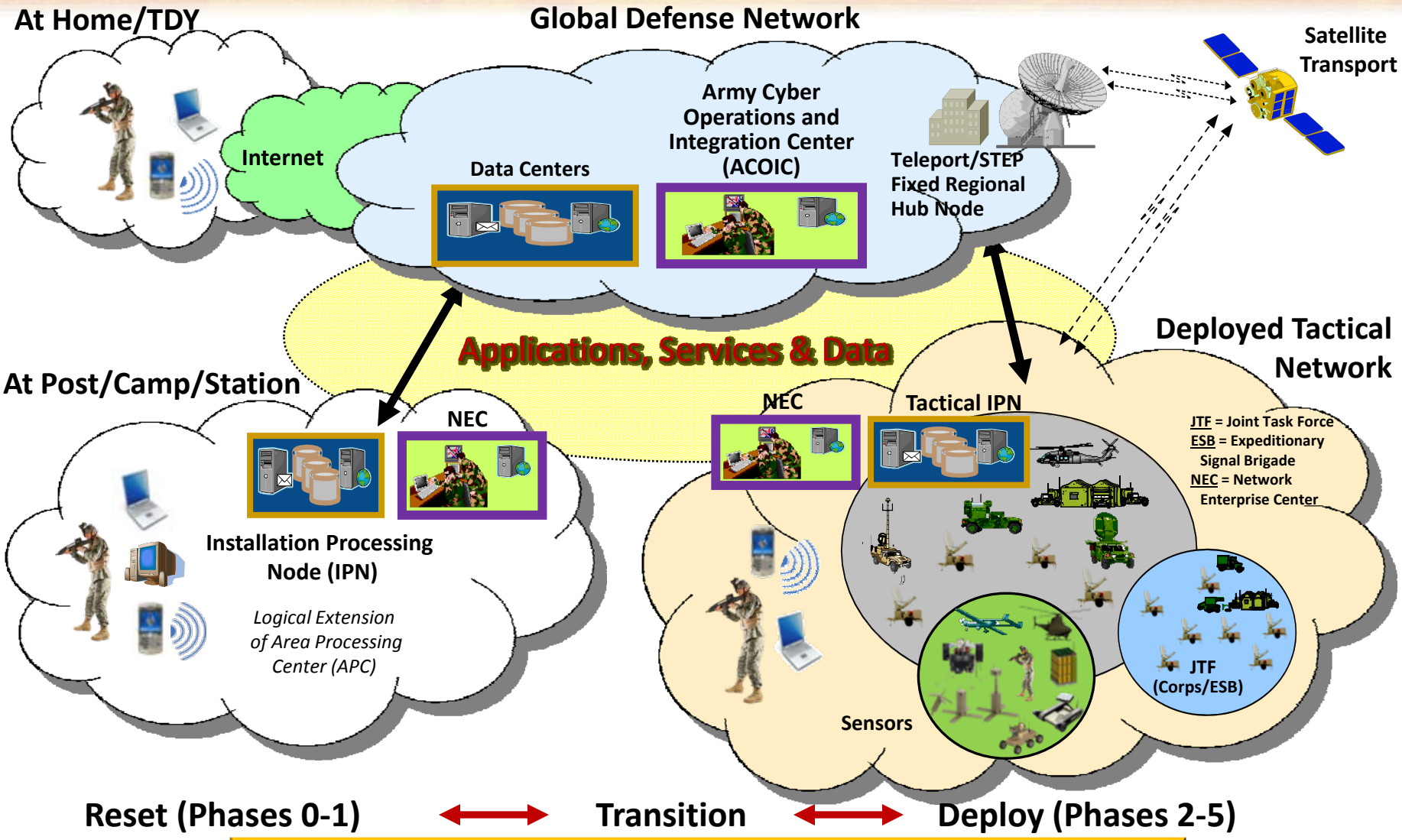
Army's Strategic Vision for the Network

The Network is the Army's Number One Modernization Effort.

The Army's Portion of the DoD Network, **LandWarNet**, Must be Able to Provide Soldiers, Civilians and Mission Partners the Information They Need, When They Need it and in Any Environment – From the Garrison to the Tactical Edge. To do so, it **Must be a Completely Integrated and Interoperable Network, From the Highest to the Lowest Echelon, Forming a True Enterprise Network**.

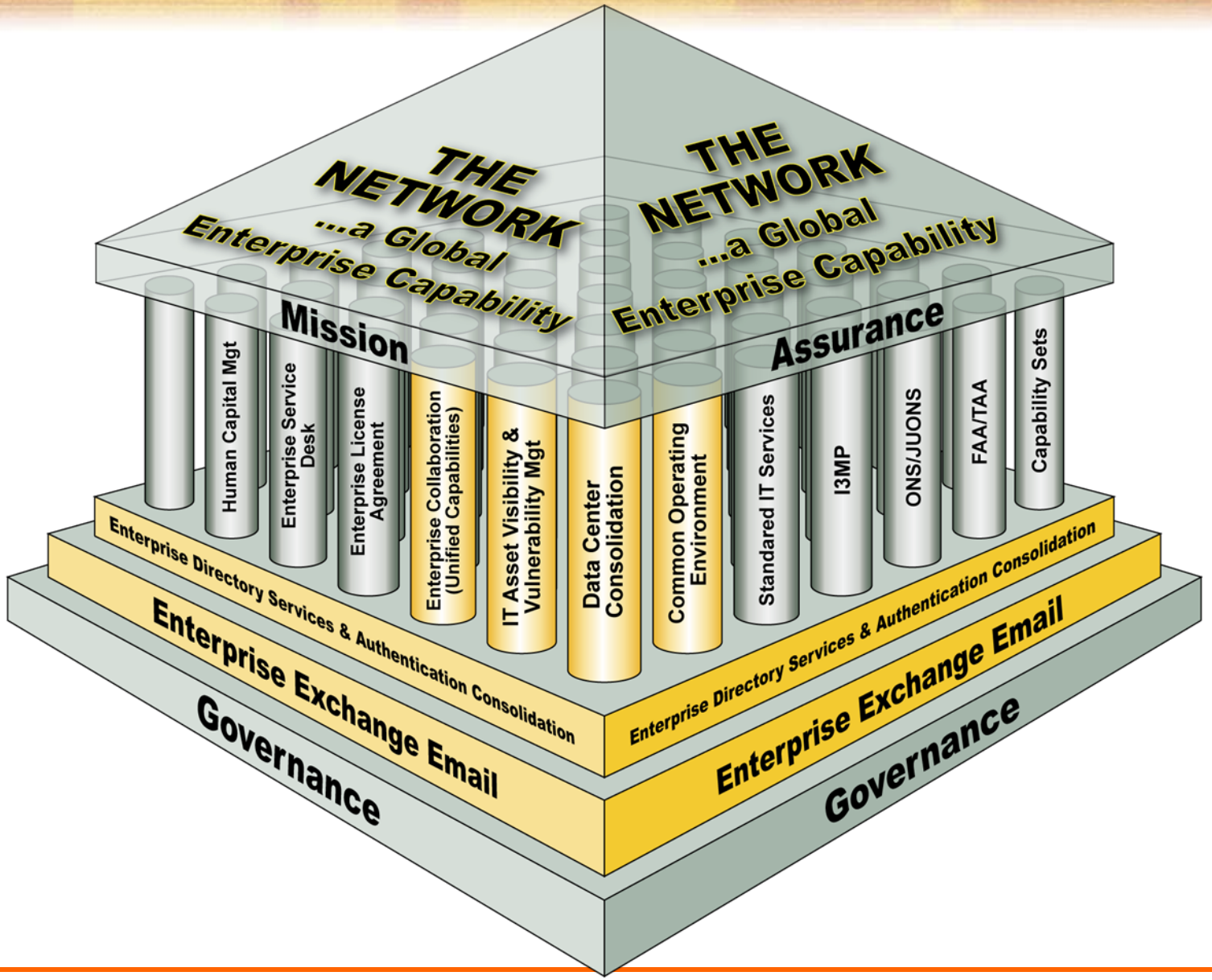
- 2011 Army Posture Statement

The Network



Always Accessible by the Soldier

Network Priorities

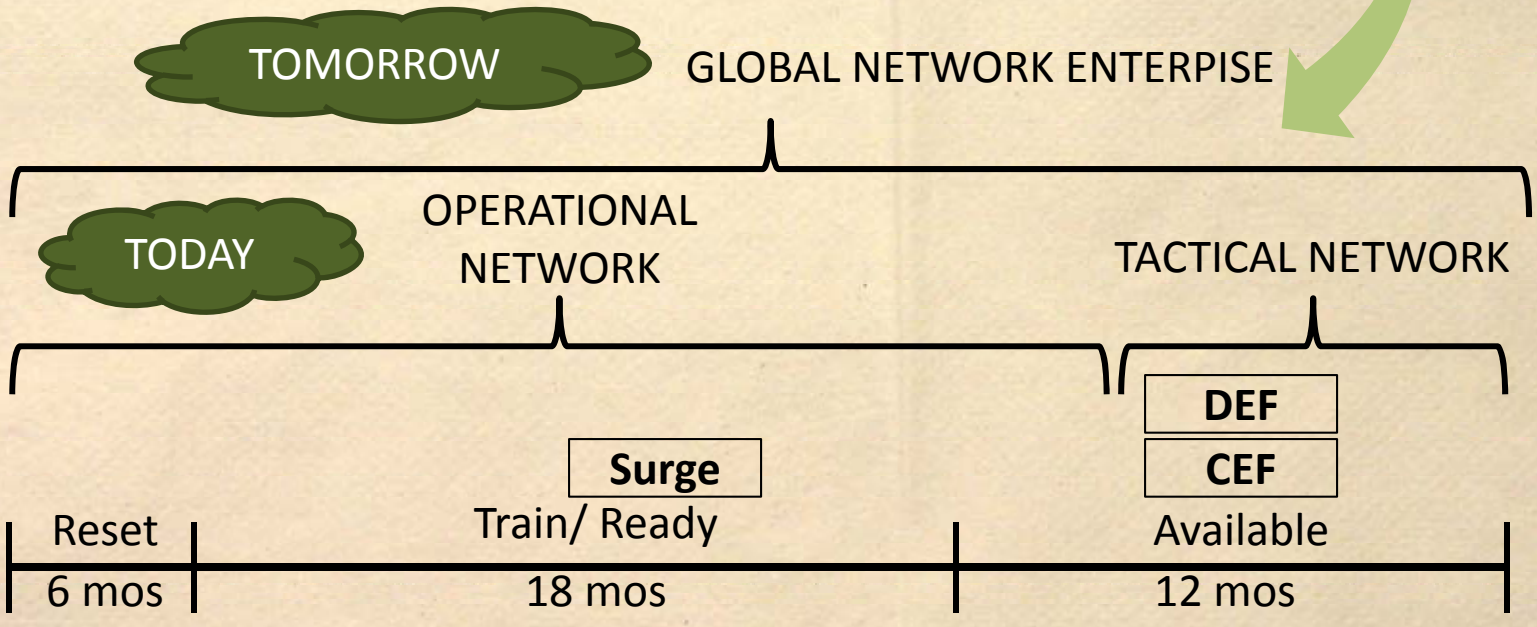


Supporting Army Force Generation Process - ARFORGEN

Imperatives to Operationalize the Network:

- Single ID
- Single NetOps
- Train as We Fight
- Deploy Anytime, Anywhere in Austere Environments
- Dramatically Improve Defense

BCT



ARFORGEN CYCLE

Supporting Army Force Generation Process - ARFORGEN

Imperatives to Operationalize the Network:

- Single I
- Single
- Train a
- Deploy
- Drama

2011 Army Posture Statement

The Army is Changing the Way it Supplies Network Systems & Capabilities to Operational Units :

- **Using an Incremental Approach to Modernization**
- **Aligning Delivery of New IT with ARFORGEN as it Becomes Available**
- **Ensuring Integration of Network Capability Across Combat Formations**
- **Fielding Enhanced Performance More Timely & Efficiently – the "Capability Set" Approach**

BCT

ETWORK

ARFORGEN CYCLE

Brigade Modernization Command

- ★ Army's Centerpiece for Integrated Network Evaluations
- ★ BMC and 2/1 AD - Operationally Focused Force Dedicated to Evaluating New and Emerging Networked Technologies
- ★ Objectives:
  - Evaluate Capability Solutions & Support Army Brigade Modernization
  - Integrate Combat/Training/Material Developer Evaluation Efforts at FTBX/WSMR
  - Inform Leadership /Public on Army Brigade Modernization & Network Integration
- ★ Way Ahead
  - Conduct First Network Integration Evaluation (NIE) in Jun/Jul 11
  - A Six-Week exercise to:
    - Formal Evaluations for Program of Record (PoR) {Systems Under Test}
    - Opportunity to Establish an Integrated Network Baseline to Evaluate MTOE and TPE Network and Emerging or Developmental Network Capabilities
  - Projected NIE Schedule FY12: Oct – Nov, Mar – Apr, and Sep – Oct

How You Can Help

THANK YOU FOR SUPPORTING AMERICA'S MOST PRECIOUS RESOURCES: HER SONS & DAUGHTERS AND FOR YOUR CONTINUED SERVICE TO OUR GREAT NATION

- ★ Share Your Experiences & Ensure We Don't Break Something as We Move to an IT Enterprise
- ★ Help us Set the Conditions for Success & Achieve Our Desired End-State
- ★ Partner with us to Overcome Training & Certification Challenges - Signal Forces Must be Trained & Certified Prior to CTCs, MRXs, etc…
- ★ What is Our Legacy Three Years From Now?

Take Aways

Transforming LandWarNet to an Enterprise Network – A Single, Secure, Standards-Based Network

- ★ Army Getting After Needed Efficiencies, While Ensuring We Maintain Warfighting Effectiveness
- ★ We are Synchronizing Network Integration Efforts
- ★ It is All About Data Availability
- ★ Establishing Real-Time Systems Engineering & Testing for Operational Network – Both in Lab Environment & with BMC
- ★ Conducting Network Integration Evaluations (NIE)s to Enhance Rapid IT Modernization & Technology Insertion
- ★ Shortening Cycle Time of the Army's IT Requirements & Acquisition Processes

Sergeant Major Kevin E. McCrary

Senior Enlisted Adviser
Army Office of the Chief Information Officer/G-6

Focus Points

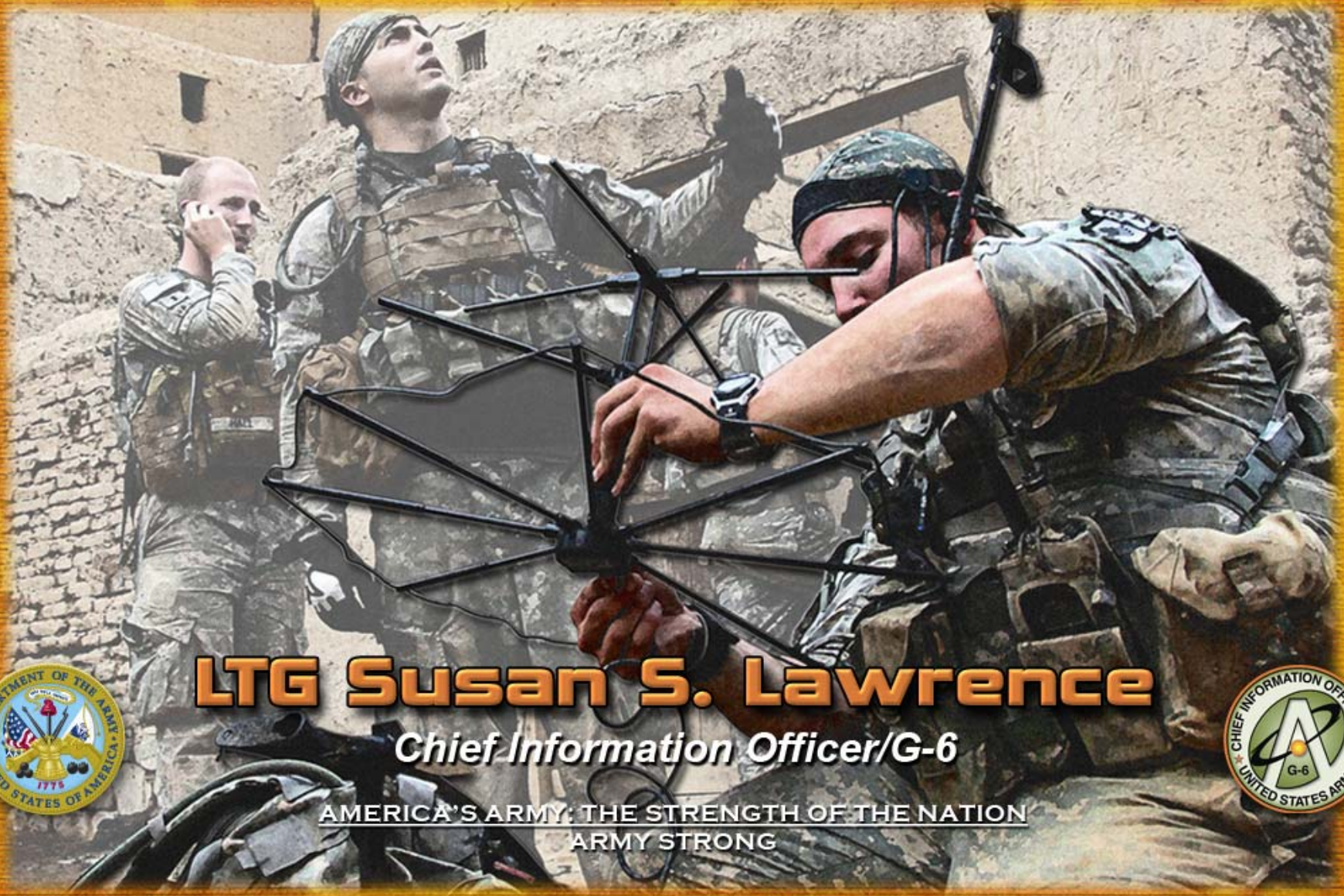
Setting the Conditions to Achieve Success

★ Getting the Message to the Troops
- Network Enterprise Approach
- Rapid IT Insertion
- Disciplined Testing & Evaluation with Operational Force

★ Tackling Training & Certification Challenge
- Warfighter's Certification is not Mission Rehearsal
- How do We Synchronize with ARFORGEN Cycles?
- "*C4 is Most Critical Aspect of Warfighter Training*"
  - - General Thurman, RCE

★ Effective Stewardship of IT Resources
- Does it Improve Collaboration & SA?
- How Does it Impact Defense Posture?
- Is it Best Value? (Balance of Effectiveness and Efficiency)

QUESTIONS + THOUGHTS



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