



# Cyber Domain and the LandWarNet: Powering the Army

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AUSA Panel

23 Oct 2012



# Operational Environment



“The Army has global responsibilities that require large technological advantages to prevail decisively in combat – **“technological overmatch,”** if you will... Modernizing, especially as end strength is reduced, is the key to ensuring that the Army’s dominance continues. As I reflect upon the pace of technological change in today’s modern world and the impact of rapid, global information exchange upon our overall security environment, I am both inspired and encouraged by the Army’s approach to building a network able to **connect our forces at all echelons.** This remains our number one modernization **priority.”**

– GEN Ray Odierno, Chief of Staff of the Army, “Army Live” Blog, 7 August 2012

## ★ Army-Wide Challenges

- Transforming the Force: Pivot to Asia, Rapid Response and Regionalization
- Proliferating Asymmetric Threats: Insurgency, Terrorism, Civil Unrest
- Operating in a Budget Constrained Environment

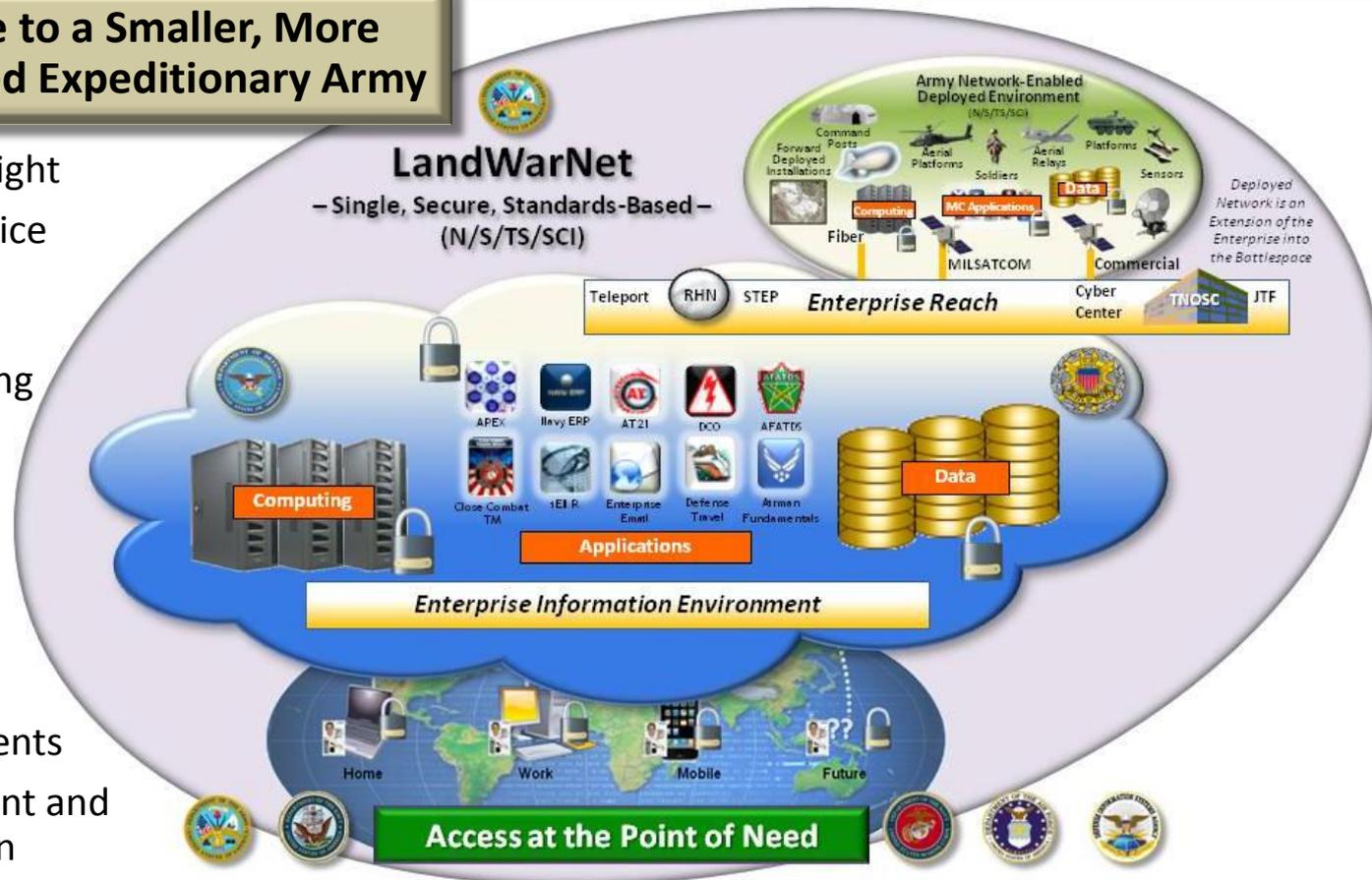
***A Modernized LandWarNet Will  
Improve Network Operational Effectiveness and Security***



# Joint Information Environment – End State

## The Network is Core to a Smaller, More Capable, Better Trained Expeditionary Army

- ★ We Must Train as We Fight
- ★ Deploy Little to No Notice Anytime, Anywhere in Austere Environments
- ★ Installations as a Docking Station
- ★ Modernized From Strategic Core to the Tactical Edge
- ★ Single Secure Network
- ★ Incorporate Echelons Above Army Requirements
- ★ Centralized Management and Decentralized Execution



A Single, Secure, Standards-Based, Versatile Infrastructure, Linked by Networked and Redundant Transport Systems, Sensors, Warfighting and Business Applications, Along with Data to Provide our Soldiers and Civilians the Information They Need, When They Need It, in Any Environment to Manage the Army Enterprise and Enable Full-Spectrum Operations with Our Joint, Coalition, and Interagency Partners



# Aligning LandWarNet 2020 to the Joint Environment of 2020

## ★ Build Capacity

- Capability to Support No Notice Deployment Globally
- Capability for L/V/C Training for ALL Army Units
- Capability to Support ERPs
- Capability to React to Ever Changing Command Priorities
- Capability to Access Information Regardless of Geographical Location



**Virtual Battlefield:** Specialist Sloan Marsh, 2nd Lt. Zackery Sutton and Capt. Eugene Miranda, 3/7 Inf. Regt., 4IBCT, 3rd ID, conduct a simulated fire control mission using the Virtual Battle Space 2 training platform, March 29, at Evans Army Airfield.

## ★ Improve Cybersecurity

- Capability to Fight in Cyber Domain
- Capability for Freedom of Maneuver in Cyber
- Capability to Identify and Track Network Users and Equipment

## ★ Provide Enterprise Services to the Edge

- Soldier Access to the Cloud, Regardless of Location
- Capability for Information Sharing w/ Mission Partners
- Simplify the Standard Suite of IT Services
  - Voice, Video, Data, Mobile
  - Identify the Cost of IT on a Per Seat Basis

## ★ Enforce Network Standards

- Capability to Scale Warfighting Operations
- Capability to Maintain OPTEMPO (All Phases)
- Capability to Deliver Installation as a Docking Station (IAADS) and Maintain Operational Skills
- Capability for Full Joint & Coalition Interoperability

***Our Priority is the Soldier – Connected at All Echelons and in All Environments***