

# AMERICA'S ARMY: THE STRENGTH OF THE NATION™



NETWORK THE FORCE ■ DETER AND DEFEAT HYBRID THREATS ■ EMPOWER AND PROTECT THE SOLDIER



## Mission Command Strategy COL Anthony Williams



## Goal:

Develop and field versatile and affordable mix of the right equipment to allow Soldiers and units to succeed in full spectrum operations today and tomorrow.

## Objectives:

- Meet ARFORGEN Aim Points for Equipment on Hand (EOH).
- Have sufficient amount of modernized equipment for the available, surge, and key training requirements.

## Modernization Principles:

- **Modernize.** Develop and acquire new equipment / improve or upgrade existing equipment to meet identified capability gaps while maintaining dominance in core capabilities.
- **Sustain.** Extend the useful life of existing equipment.
- **Mitigate.** Procure mission – specific equipment to answer immediate capability needs.
- **Field.** Provide equipment to Soldiers and units to enable training, preparation, and employment for mission success.

## Future Environment

- **Geo / Political**
  - Persistent Conflict
- **Domestic**
  - Decreasing % of GDP
  - Rising Cost of Labor
- **Institutional**
  - All Volunteer Force

## Mitigated By

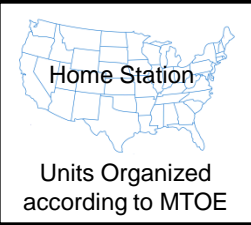
- **Rotational Readiness**
  - ARFORGEN
- **Enterprise Approach / Affordability**
- **Priorities**
  - Network the Force
  - Defeat / Deter Threats
  - Protect / Empower Soldiers

**Requires resource investments spread  
in more areas to hedge against an uncertain future**

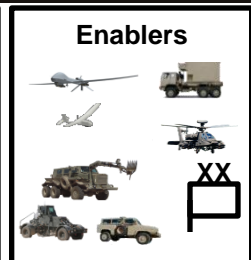
The Army seeks to develop and field a **versatile** and **affordable** mix of equipment to allow Soldiers and units to succeed in full spectrum operations today and tomorrow

## Army Modernization Imperatives:

- **Versatile:**
  - Formations that are tailorable
  - Equipment that is adaptable and capable of growth
- **Networked**
  - Increased situational awareness, force protection, and command and control on the move down to the individual Soldier
- **Affordable**
  - Evolutionary and incremental modernization
  - Balanced investment between current operational needs and future requirements
  - Long-term affordability



**Task Organize and Equip According to Mission**



**Most Lethal and Survivable BCT**  
• Balanced combined arms units that execute operations with shock and speed

**24 HBCT**  
**Heavy Brigade Combat Team**

**Most Versatile BCT without Augmentation**  
• Highly mobile and versatile; only BCT type with 3<sup>rd</sup> Maneuver battalion

**9 SBCT**  
**Stryker Brigade Combat Team**

**Most Agile BCT**  
• Provides maximum deployability

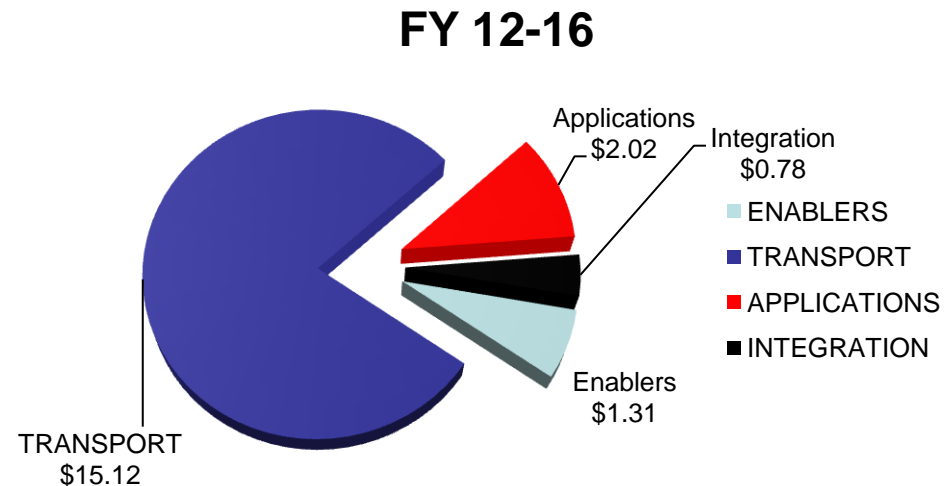
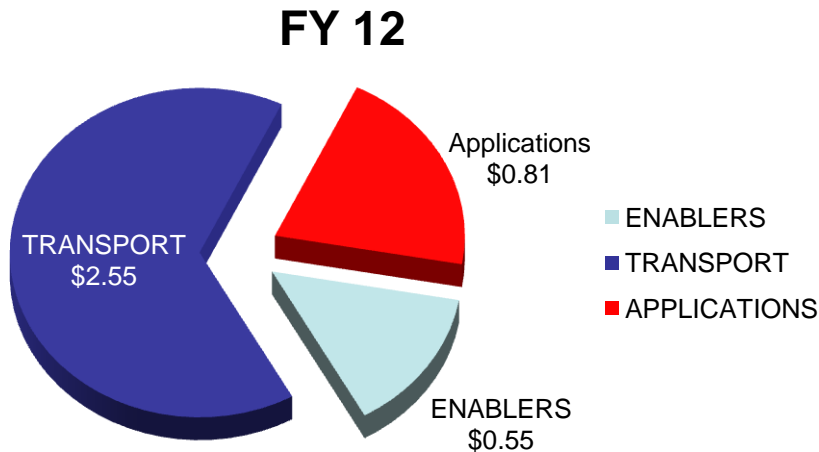
**40 IBCT**  
**Infantry Brigade Combat Team**

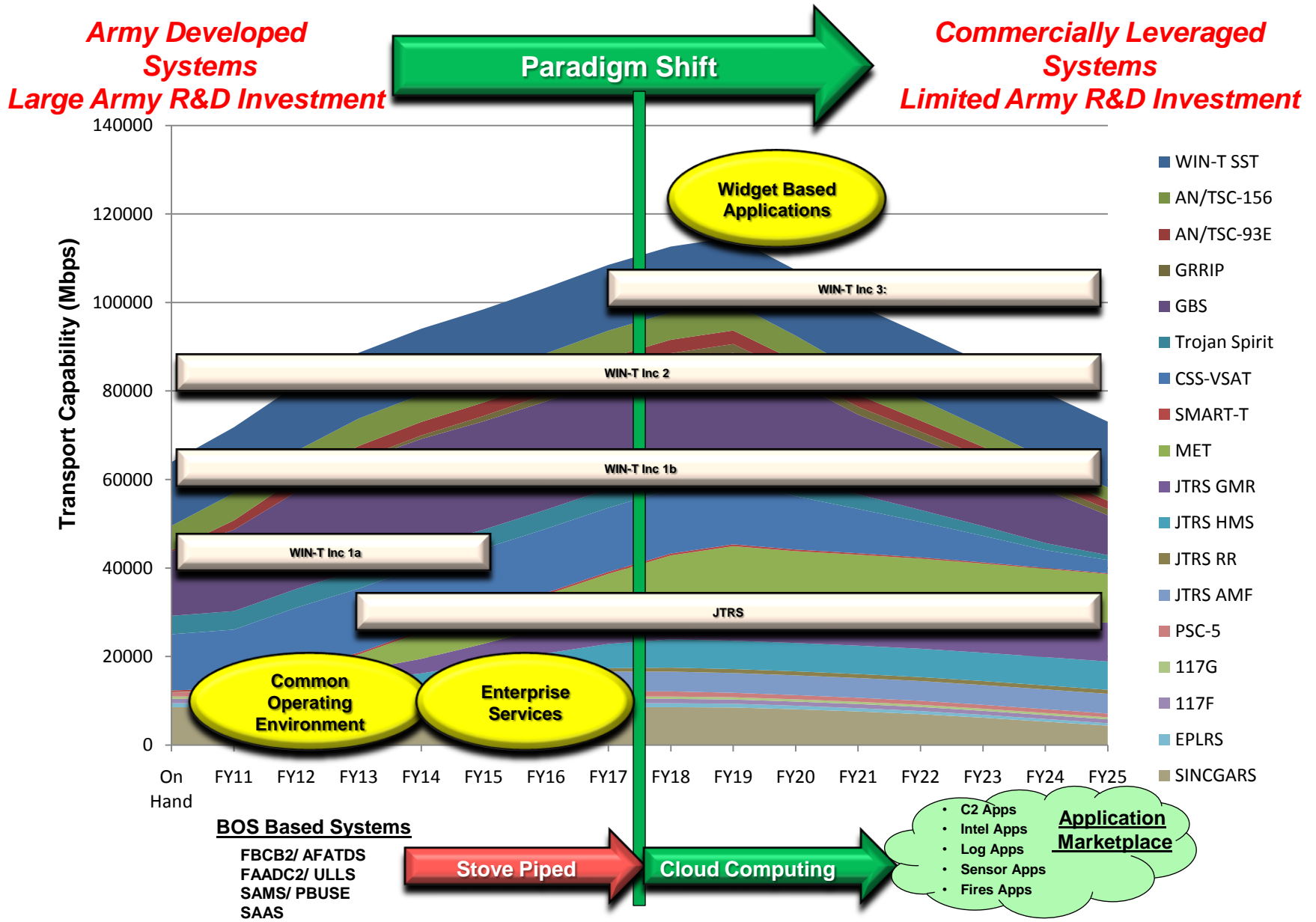
**ASSEMBLED**



**BCTs are agile and versatile enough to conduct any mission across the spectrum of operations**

- **Build Capacity**
  - ✓ Deliver robust network capability to as many formations as possible
  - ✓ Aerial Layer...extend transport capability to more Forces
  - ✓ Improve the Dismount Soldier Connectivity...to include Beyond Line of Sight (BLOS)
  - ✓ Company Command Post capability...develop, design a scalable but yet affordable Company Command Post capability
- **Common Operating Environment (COE) Implementation**
  - ✓ Establish common network architecture for WIN-T, JBC-P, and JTRS
  - ✓ Implement a COE to enable rapid development of software products for the Soldier, platform, and command post environments
- **Edge Network Integration**
  - ✓ Deliver an affordable integrated computer system for the platform
- **Enhanced Mission Command**
  - ✓ Collapse Mission Command functionality into a single software suite for the command post environment
  - ✓ Implement a single mobile mission command capability
- **Army Evaluation Task Force**
  - ✓ Begin an on-going semi-annual exercise/evaluation in Summer 2011 to assess current and evolving network capabilities.
  - ✓ Integrate and optimize all components of the constantly evolving network in one place and at one time





The Army seeks to develop and field a **versatile** and **affordable** mix of equipment to allow Soldiers and units to succeed in full spectrum operations today and tomorrow

## NETWORK

- Aligns the Army's network modernization program from a dual-track with FCS to a single portfolio and strategy.
- Increases our modernization program to field eight BCTs worth of integrated network systems.
- Brings the dismounted soldier into the network through the fielding of advanced wave forms.
- Fields an on-the-move network capability.
- Reaps the return on our multi-billion dollar investment by moving key programs such as JTRS, WIN-T Inc 2, and JBC-P to production.

### **Mission Command capability that is:**

- *Beyond-line-of-sight*
- *Optimized for mobile operations*
- *Increase access to the individual Soldier*



- **Advanced, Waveform-Based Tactical Radio** to meet radio modernization requirements to bring the tactical Small Unit into the network.
- **Leverage commercial technologies** and exploit commercial communications infrastructure for deployed units.
- **Continue deployment of Command & Control (C2) On-The-Move (OTM)** capability and set the condition for the future Army tactical objective infrastructure.
- **Upgrade Tactical OTM Platform Systems** for enhanced situational awareness capability jointly with the Marine Corps with a strong emphasis on resourcing a family of systems (common computers and hand-held devices) for the platform and the dismounted Soldier.
- **Support the Army initiative for a Common Operating Environment (COE)** which separates applications from common data and operating system (OS)/middleware, thereby accelerating software development. This will also enable the development of command and control (C2) applications for use in Personnel Digital Assistants (PDAs) via the Army Apps Store.
- **Army Mission Command Systems (ABCS) capability to collapse** into an integrated set of applications that supports mission command, intelligence, and logistics complete functionality on a common server and display.
- **Extend the Logistical Enterprise to the tactical edge.**
- **Army to deploy a X-Band capability** for tactical terminals supporting the Warfighter
- **Green power** generation capability

## Risks:

- Ability to effectively secure and manage network performance
- Ability to maintain a flexible authoritative Army level architecture that allows the insertion of emerging technologies/capabilities

