

- More Relevant and Ready Army
 - More Capable and Modern Force
 - More Stable and Predictive Lifestyle

Modernizing our Mounted Force



Agenda

- *Situation*
- *Emerging Modernization Strategy*
- *Modernization Efforts*
- *The Way Ahead*
- *How Can You Help*
- *Questions*



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What Has Changed

Complex Environment – Persistent Conflict



Globalization

“Interdependent economies, Porous Borders, Decline of the Nation-State”

Complexity of Adversary

“Consortia of state and non-state actors”



Respond to Natural Disaster

“Foreign and Domestic”



Technological Advances

“Serious Implications to the Force”



Information Operations

*“Information Revolution...
The Death of Time & Distance”*

- '60's – 100 kbs SATCOM
- '90's – 192k kbs Networked Computers
- 2010 – 1.5 Trillion kbs Wideband Data links

National Security

“Country Specific to Global”



The Changing Threat to Mounted Force

- Increased urban operations
- Rapidly evolving Tactics, Techniques, and Procedures
- Instantaneous and distributed communication
- The fight for the information domain
- Proliferation of better weapons
 - Improved ammunition and sights
 - Small and medium caliber enhancements
 - Increased ranges and accuracy
 - Target exposed crewmen
 - Rocket Propelled Grenades (RPGs)
 - Combat proven in urban setting
 - Widely proliferated
 - Improvised Explosive Devices (IEDs)
 - Restrict mobility
 - Target all platforms
 - Explosively Formed Projectiles (EFPs)
 - Long range ATGM



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Modernizing our Mounted Force

- *Maneuver rather than Infantry, Armor, Artillery...*
- *Focus on formations rather than systems*
- *Develop an integrated approach across the formation and across the Maneuver Force*
- *Keep a long term view to 2024 and beyond*



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Evolving Army Modernization Strategy

- *The Army must remain the dominant Landpower on earth with full-spectrum capabilities*
- *The Army Modernization Strategy applies to current and future force – Soldiers will have the best equipment available, fielded as rapidly as practical*
- *Four essential elements*
 - *Rapidly field the best new equipment to our forces in contact*
 - *Upgrade and modernize existing modular formations, ensuring their ability to remain relevant while fighting along side the FCS BCT equipped force*
 - *Incorporate new technologies derived from Future Combat Systems (FCS)*
 - *Field the Future Combat Systems Brigade Combat Teams Soldier as a System, and the LandWarNet*
 - *First Future Combat Systems BCT in 2015*
 - *5 x FCS in 2020*
 - *15 FCS BCT by 2030*
 - *Balance resourcing, production and fielding of current equipment with Future Combat System*



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Mounted Maneuver in 2024

FCS BCT



Heavy BCT



US Army Operating Concept for Tactical Maneuver 2015 – 2024

- Concept applies equally to all types of BCT
- Key ideas:
 - ✓ Simultaneous and continuous operations
 - ✓ Decisive maneuver
 - ✓ Routine employment of expanding Joint capabilities
 - ✓ Self-synchronization
 - ✓ Cooperative engagement
 - ✓ Quality of firsts
- Required capabilities (selected examples)
 - ✓ Network enabled battle command
 - ✓ Precision munitions
 - ✓ Improved mobility and agility
 - ✓ Improved range
 - ✓ Force protection and survivability



Stryker BCT



Infantry BCT



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HBCT Modernization Efforts



- Next Generation FLIR
- Mast mounted sensors
- Common Remotely Operated Weapons Station (CROWS)
- 360 Degree Awareness
- Advanced Munitions
- Joint Light Tactical Vehicle (JLTV)
- Active Protection System (APS)
- Vehicle Health Management



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IBCT Modernization Efforts



- LRAS3/next generation FLIR
- JLTV (Class B Recon Variant)
- APS
- Mast Mounted Sensor (MMS)
- Remote Weapons Station (RWS)

JLTV



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SBCT Modernization Efforts



- Stryker block improvement
- LRAS3/next Generation FLIR
- Mast mounted sensors
- Remote Weapon Station
- JLTV
- Active Protection System



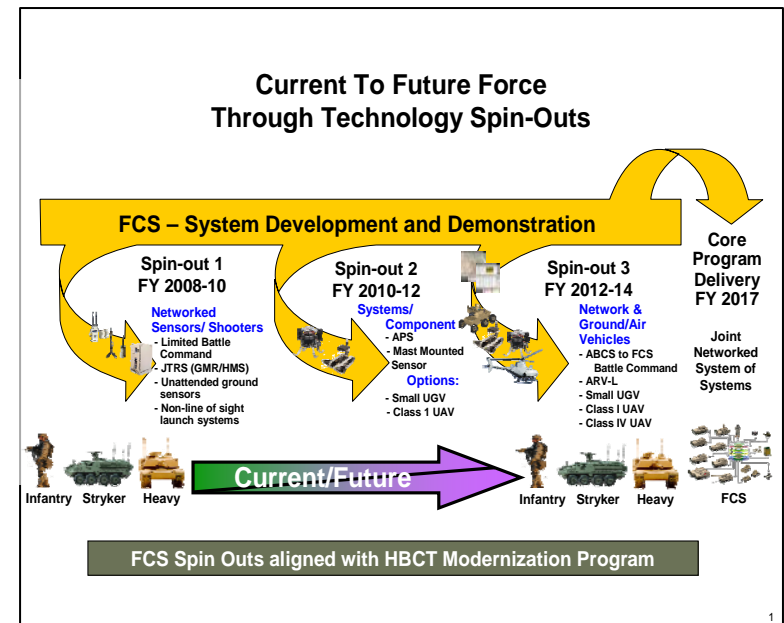
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Spinout Technology

“Easy to say; hard to do.”

- RDT&E funding required
- Space, power, and weight claim issues with platforms (Abrams, Bradley, and Stryker)
- *Integrated Spinouts* add capability



Modernization goes beyond Spinouts



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How Do We Get There?

- *“Current to Future” not “Current vs. Future”*
- *Formation-based solutions*
- *Must have a method to get new technologies, not yet identified, to the field quickly*
- *Develop holistic survivability*
- *Design Integrated Logistics Architecture and systems*
 - *Increase reliability*
 - *Decrease Operations and Sustainment costs*
 - *Decrease logistics footprint*
- *Lighten each platform and the formation*
- *Must ensure interoperability across the entire force; commonality is second priority*

“Current to Future” not “Current vs. Future”



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What About the Soldier?



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How Can Industry Help?

- *Common understanding of the complex environment – “Persistent Conflict”*
- *Develop innovative solutions that meet our requirements*
- *Demonstrate the realm of the possible*
 - *Capability demonstrators clearly illustrate technology readiness levels*
- *Our challenge – to develop requirements and capabilities concurrently*



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AMERICA'S ARMY: THE STRENGTH OF THE NATION™



Questions?



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