AGENDA

- Introduction
- FCS – Broad Review
- Sensors
- Capabilities in Action – Future Common Operation Picture
- Questions
Connect – Detect – Protect – Project… FCS

- Mounted Combat System (MCS)
  - Mounted Combat Vehicle (ICV)
  - Non-Line of Sight Cannon (NLOS-C)
  - Non-Line of Sight Mortar (NLOS-M)
  - Non-Line of Sight Launch System (NLOS-LS)

- Field Recovery and Maintenance Vehicle (FRMV)
  - Medical Vehicle Treatment (MV-T)
  - Medical Vehicle Evacuation (MV-E)

- Armed Robotic Vehicle – Assault Light (ARV-AL)
- Command and Control Vehicle (C2V)
- Reconnaissance and Surveillance Vehicle (RSV)
- Class I Unmanned Air Vehicle (UAV)
- Class IV Unmanned Air Vehicle (UAV)
- Tactical and Urban Unattended Ground Sensors

- Network
  - Multifunctional Utility/Logistics and Equipment
  - Countermine and Transport
  - Small UGV (SUGV)

- AN/GSR-10
- AN/GSR-9

- MULE-T
- MULE-C

- Network

- Connect – Detect – Protect – Project… FCS
“See first” -- in combination with the network results in:
- Shared situational awareness among units and soldiers
- Ability to monitor vast territory
- Enhanced knowledge of the enemy … soldiers mounted longer … more survivable against low tech weapons

“Act First” --- In combination with the network, superior maneuverability and precision fires results in:
- Ability to surround and destroy enemy concentrations
- Enhanced ability for discrete killing in the midst of civilians
- Keeps enemy dispersed; unable to connect with populations or mass

Small logistical footprint, improved vehicle efficiency, and the network results in:
- Sustained presence in the field
- Larger area of operational control
- Distributed operations
### Platforms
- 60 – Mounted Combat Systems
- 102 – Infantry Carrier Vehicles
- 30 – Reconnaissance & Surveillance Vehicles
- 18 – Non Line of Sight Cannons
- 24 – Non Line of Sight Mortars
- 49 – Command & Control Vehicles
- 10 – Medical Treatment Vehicles
- 19 – Medical Evacuation Vehicles
- 10 – Maintenance and Recovery Vehicle

### Unattended/Unmanned Systems
- 202 – Unattended Ground Sensor (Tactical)
- 157 – Unattended Ground Sensor (Urban)
- 24 – Non Line of Sight Launch System
- 81 – Small Unmanned Ground Vehicle
- 45 – Armed Robotic Vehicle (Light)
- 36 – Multifunction Utility/Logistics Equipment Vehicle (Transport)
- 30 – Multifunction Utility/Logistics Equipment Vehicle (Countermine)

### Unmanned Aerial Vehicles
- 54 – Class I UAV
- 32 – Class IV UAV
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<th>Capability</th>
<th>Pre-Modular Heavy Brigades</th>
<th>Hvy BCT (Modular)</th>
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| Soldiers                           | 3564 – 3779 (no organic avn) | 3876 (no organic avn) | 3910 (no organic aviation)       | 3315 (organic aviation) | • Less personnel intensive  
• 60% fewer support personnel |
| **Situational**                    |                           |                   |                                   |         |                                                                         |
| Sensor Systems                     | 215                       | 267               | 432                               | 836     |                                                                         |
| Unmanned Ground Vehicles (UGVs)    | 0                         | 0                 | 79                                | 192     | • Significant increase in sensors to see/find the enemy first,  
develop/sustain joint situational awareness, and enhance survivability |
| Unmanned Aerial Vehicles (UAVs)    | 0                         | 52                | 80                                | 122     |                                                                         |
| Mounted Mine Detection Systems     | 0                         | 0                 | 69                                | 143     |                                                                         |
| **Mobility & Lethality**           |                           |                   |                                   |         |                                                                         |
| Infantrymen in Squads              | 243 - 486                 | 324               | 324                               | 702     | • More combat power ... more “Soldiers on Patrol”  
• Enhanced mobility  
• Increased stand-off, precision lethality |
| Dismounted Bn & Bde Scouts         | 90                        | 120               | 120                               | 129     |                                                                         |
| Manned Combat Direct Fire Systems  | 132                       | 167               | 166                               | 192     |                                                                         |
| Mortars, Cannons, and Missiles     | 87 - 114                  | 66                | 79                                | 161     |                                                                         |
Today
2007 – Iraq

Yesterday
1993 – Somalia

Revolutionary

Tomorrow
FCS

Common View At Decisive Point

Precision Operations

3 Views of the Battlefield

Common Operation Picture

Capabilities in Action - Future

Aviation
UAV

Ground

Surveillance

Line of Sight

3 Views of the Battlefield

At Decisive Point
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Questions
BACK UP
Networked Soldiers Engage the Enemy at a Distance
And Close with the Enemy under Armor Protection Layer

Detect – Shape – See!

Understand – Destroy – Disrupt!

Acquire – Destroy - Suppress!

Deny – Destroy - Dominate!

Avoid Penetration!

Avoid Kill – Protect!

SEE FIRST

ACT FIRST

Army Strong

Revolutionary Concept to Achieve Precision Effects

Brigade/Battalion Controlled Unmanned Air Vehicle

Soldier Employed Unattended Sensors to extend Awareness in the Open and Inside Buildings

Unmanned Ground Vehicles First in the Door or Down the Road

Missiles in a Box

Long Range and Close-in Active Protection

Shared Picture Between Platforms

Non-Line of Sight – Cannon

Joint Integrated Multinational Network

Installable Anti-Mine Kit

Crew Protection

Mounted Combat System (MCS)

Upgradeable Armor

Networked Soldiers Engage the Enemy at a Distance
And Close with the Enemy under Armor Protection Layer
• Testing for Spin Out platforms begins this summer
• Core Program MS C is FY13
• 1st FBCT begins to receive equipment in FY15
• 1st FBCT FOC is FY17

FCS Capabilities and Objectives

FCS BCT

MS C

IOT&E

FRP

FOC

Stryker Vehicle enhancement

Funding in Stryker PIP