

AMERICA'S ARMY: THE STRENGTH OF THE NATION™



UNITED STATES ARMY



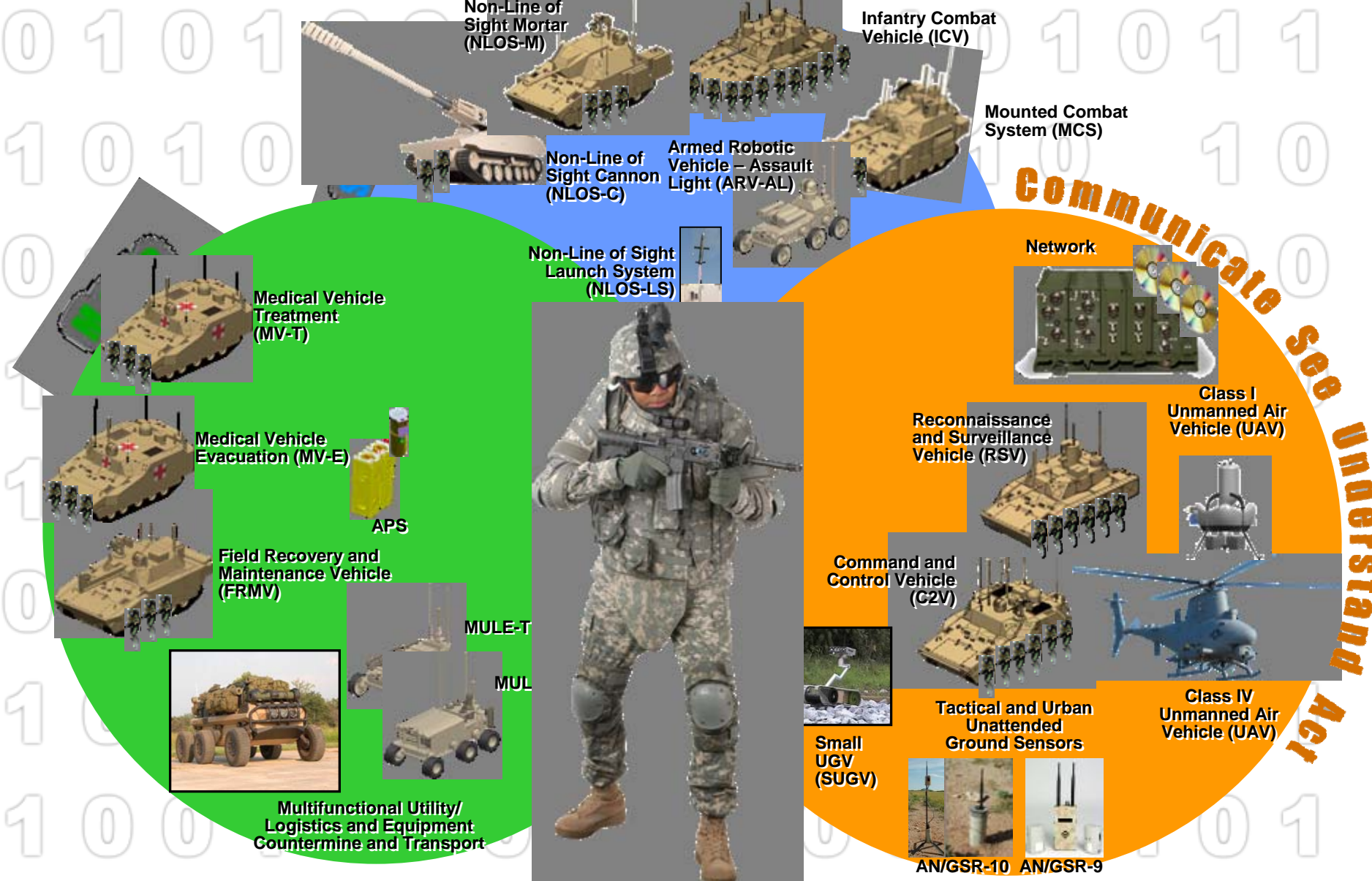
FCS - Sensors Precision Strike Annual Review April 15, 2008



SOLDIERS * FAMILIES * ARMY CIVILIANS

ARMY STRONG.™

- Introduction
- FCS – Broad Review
- Sensors
- Capabilities in Action – Future Common Operation Picture
- Questions



- **“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

Capability	Pre-Modular Heavy Brigades	Hvy BCT (Modular)	Hvy BCT (with Projected Spin Outs)	FCS BCT	Remarks
Personnel					
Soldiers	3564 – 3779 (no organic avn)	3876 (no organic avn)	3910 (no organic aviation)	3315 (organic aviation)	<ul style="list-style-type: none"> • Less personnel intensive • 60% fewer support personnel
Situational Awareness & Protection					
Sensor Systems	215	267	432	836	<ul style="list-style-type: none"> • Significant increase in sensors to see/find the enemy first, develop/sustain joint situational awareness, and enhance survivability
Unmanned Ground Vehicles (UGVs)	0	0	79	192	
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	<ul style="list-style-type: none"> • 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	

Yesterday 1993 – Somalia



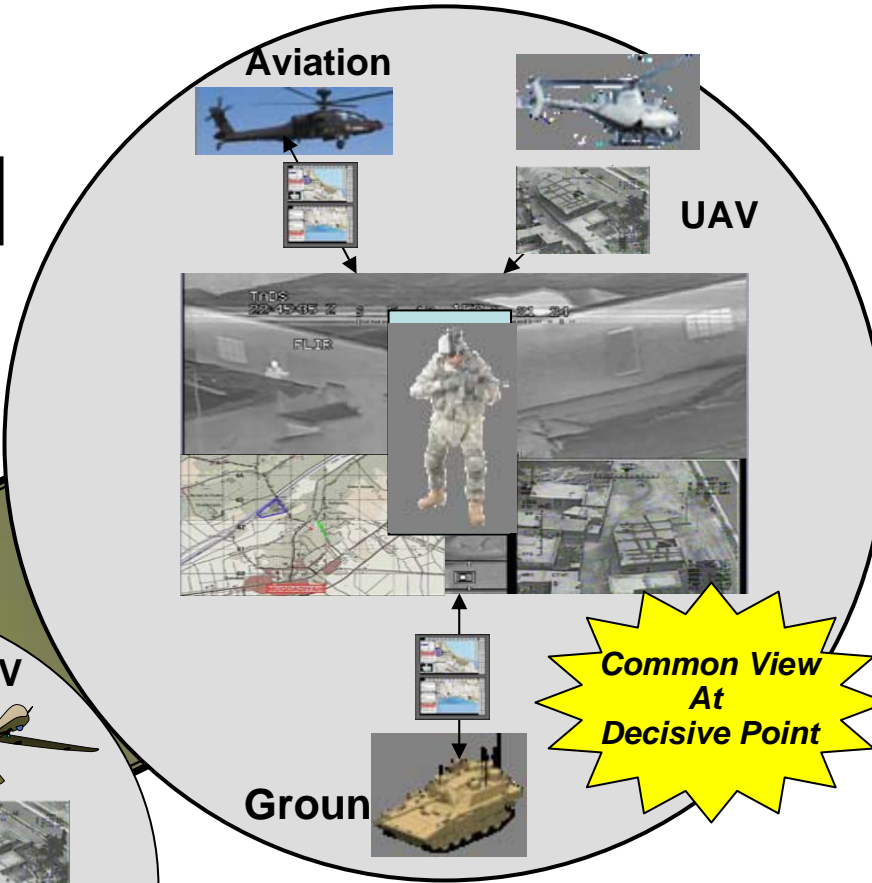
Today 2007 – Iraq



Evolutionary

Revolutionary

Tomorrow FCS



Precision Operations

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Questions

BACK UP

A Revolutionary Concept to Achieve Precision Effects



**Networked Soldiers Engage the Enemy at a Distance
And Close with the Enemy under Armor Protection Layer**

