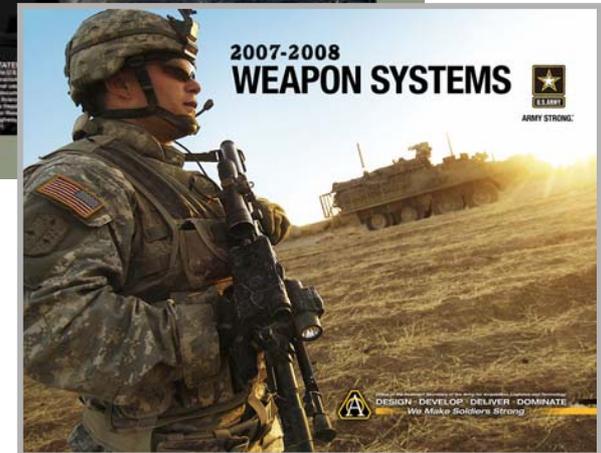
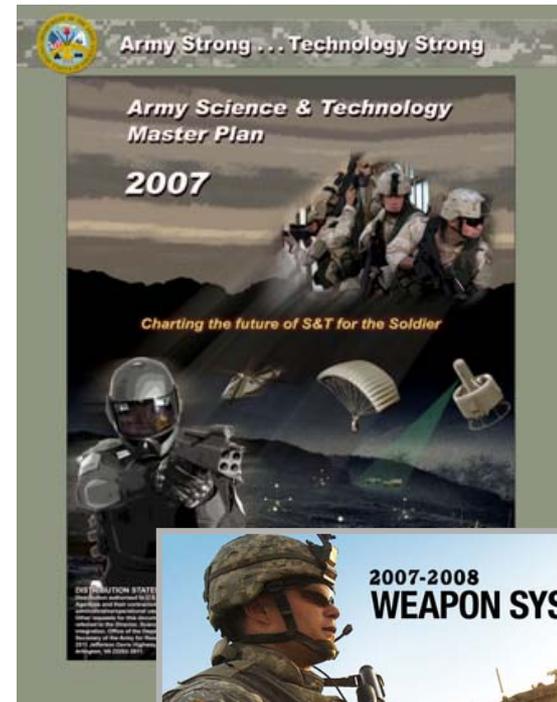




# *FCS Technology Insertion and Transition Panel*

*DoD Technology Exposition*

*18 Apr 2007*



*Dr. Thomas H. Killion  
Deputy Assistant Secretary  
for Research and Technology/  
Chief Scientist*



# Science & Technology for a Campaign Quality Army with Joint & Expeditionary Capabilities

## Current Force



~100 lb. load



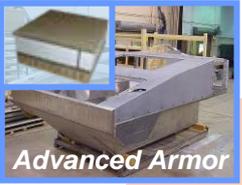
Limited network



> 70 tons



< 10 mph



## Enabling the Future Force

Science and Technology—  
develop and mature  
technology to enable  
transformational capabilities  
for the Future Modular Force  
while seeking opportunities  
to accelerate technology  
directly into the Current  
Modular Force

## Enhancing the Current Force

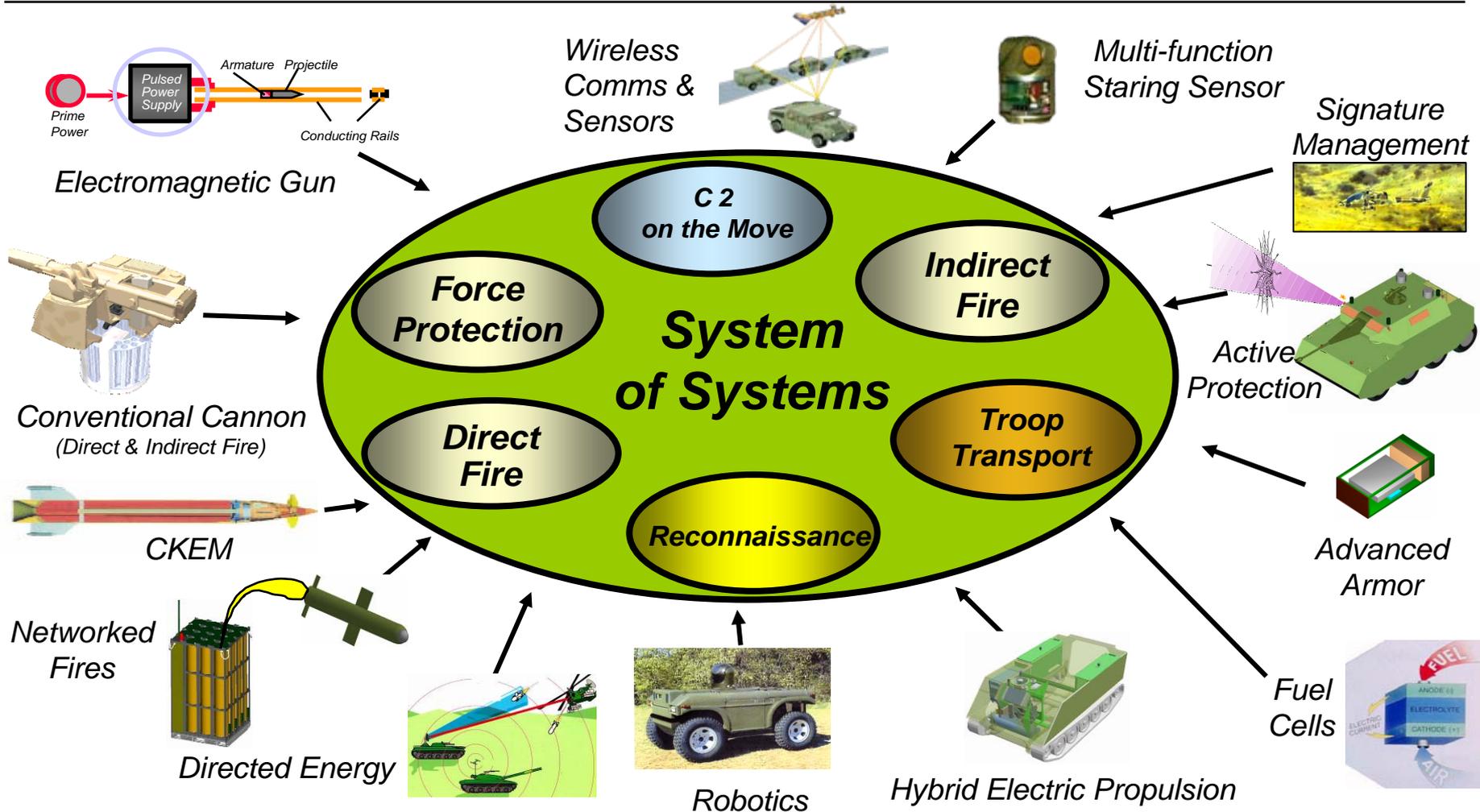
## Future Force





# Increase Technology Options for FCS

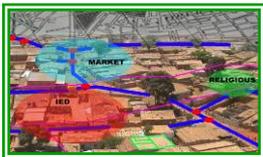
Mar 2001



**Focus on High Payoff Solutions for Technology Readiness Decision**



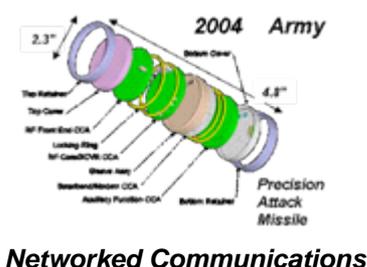
# Technology Options for FCS/ Future Force and the Current Force



Urban Reasoning & Battlespace Analysis



Soldier Radio Waveform



Networked Communications



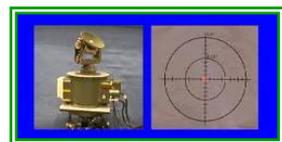
Mid Range Munition (MRM)



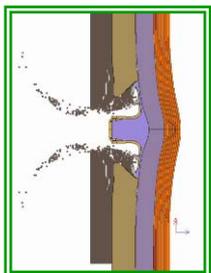
Precision Attack Missile (PAM) Seeker



3rd Gen FLIR



SATCOM On The Move (OTM)



Advanced Armor



Unmanned Ground Vehicles (UGV)



UGV Crusher



Micro Air Vehicle (MAV)



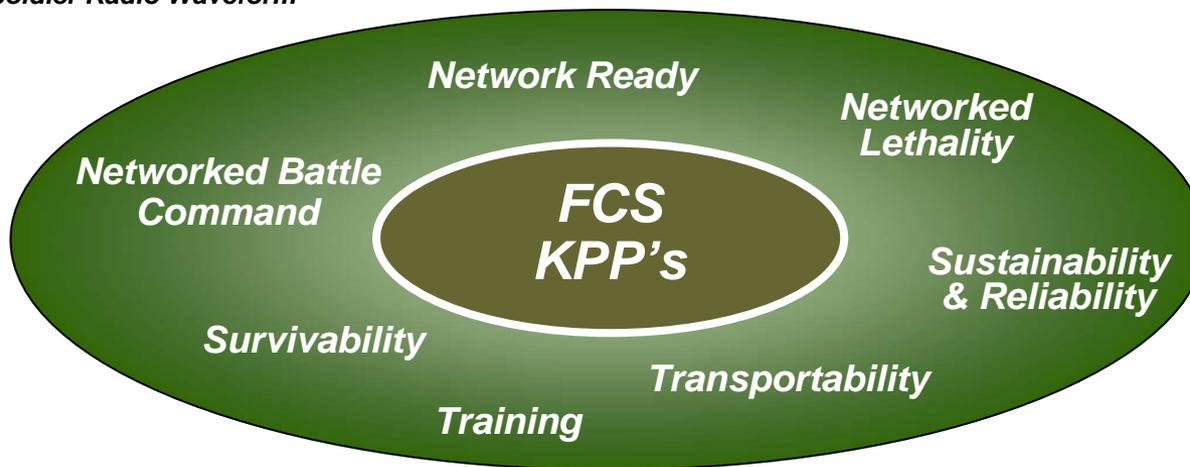
Lightweight 120mm Gun



Breach Loaded 120mm Mortar



Prototype Engine





# FCS Brigade Combat Team

PROGRAM MANAGER  
**FCS**  
 BRIGADE COMBAT TEAM  
 One Team-The Army/Defense/Industry

## Manned Ground Vehicles (MGV)

**Mounted Combat System (MCS)**  
**Infantry Carrier Vehicle (ICV)**  
**Command and Control Vehicle (C2V)**

## Unmanned Aerial Systems (UAS)

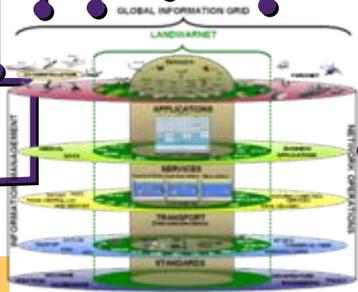
**Class I UAV**  
**Class IV UAV**

**Reconnaissance And Surveillance Vehicle (RSV)**

## Unattended Ground Systems (UGS)

**T-UGS**  
**U-UGS**  
**Tactical and Urban Unattended Ground Sensors**

**Non-Line of Sight Launch System (NLOS-LS)**

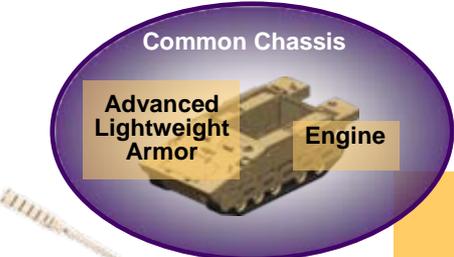


**Non-Line of Sight Mortar (NLOS-M)**

## Unmanned Ground Vehicles (UGV)

**MULE-C**  
**Multifunction Utility/ Logistics and Equipment Countermine and Transport**  
**MULE-T**  
**Armed Robotic Vehicle – Assault (Light) (ARV-A-L)**

**Small UGV (SUGV)**



**Non-Line of Sight Cannon (NLOS-C)**

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

