

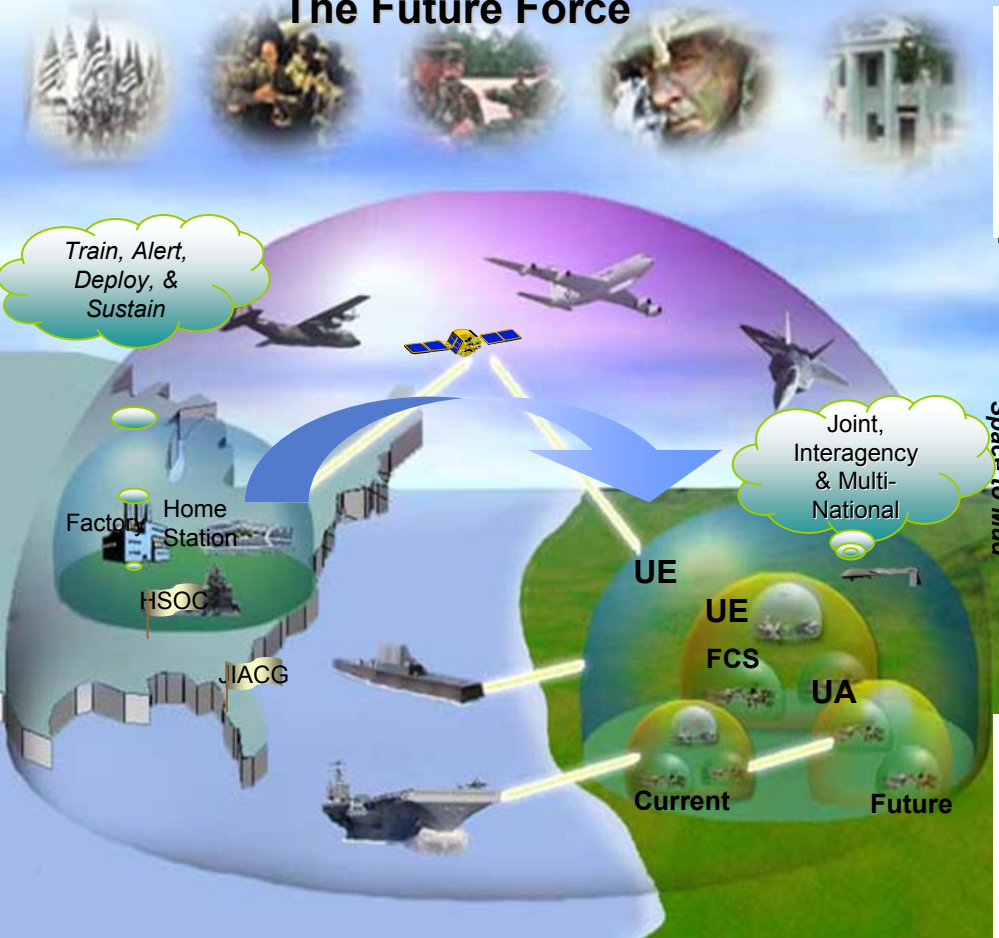


# Net Centric Operations, Interoperability, and Systems Integration Conference

Lieutenant General Joseph L. Yakovac, Jr.  
Military Deputy To The  
Assistant Secretary Of The Army  
(Acquisition, Logistics And Technology)  
21 March 2005

# Managing Complexity: Future Force Capabilities

## The Future Force



"Factory to Foxhole"

- ↑ **Future Force Characteristics – Responsive, Deployable, Agile, Versatile, Lethal, Survivable, Sustainable...**
- ↑ **A New Way of Joint Warfare**
  - Dominant Situation Awareness
  - Networked Weapons Systems
  - Joint Interdependence to Small Unit Level
- ↑ **More Strategically Responsive Land Force**
  - Lighter, More Air and Sea Transportable
  - Reduced Sustainment Footprint/ Reachback/3 Days Combat w/o Re-Supply
- ↑ **Technology Enabled - Spiral Development/ Insertions**
- ↑ **Capabilities Based Force for Combatant Commanders Now. . .Future!**

**See First  
Understand First  
Act First  
Finish Decisively**

**Supports National Security and Military Strategies**



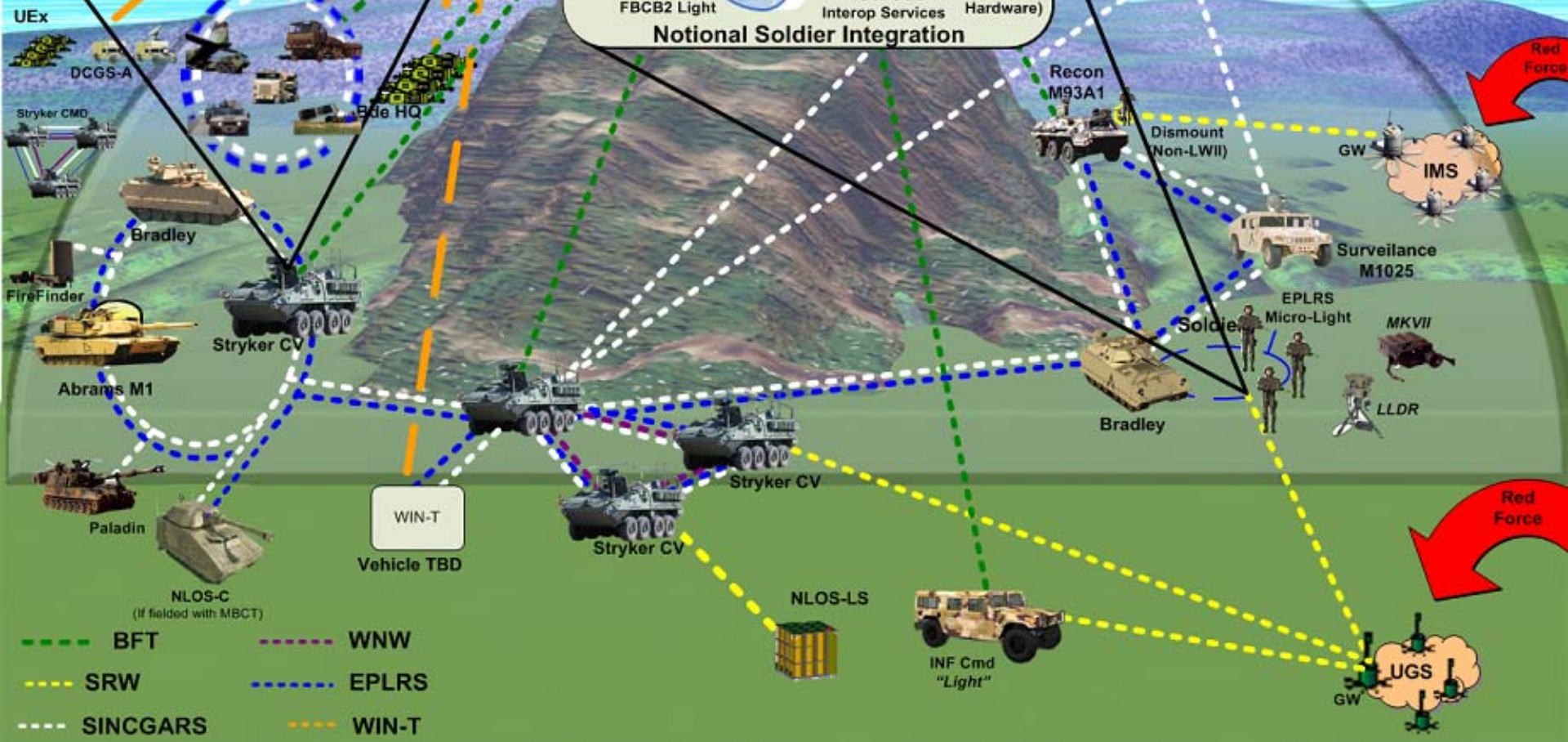
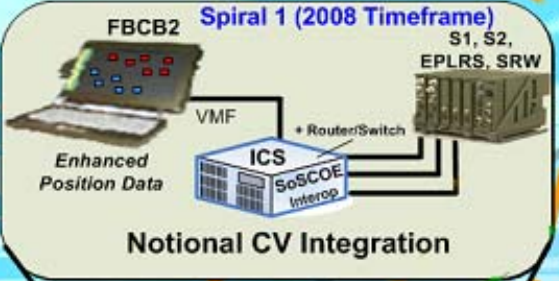


Commercial Ku SAT

BFT

Apache AH64 Block III

Blackhawk (A2C2S)



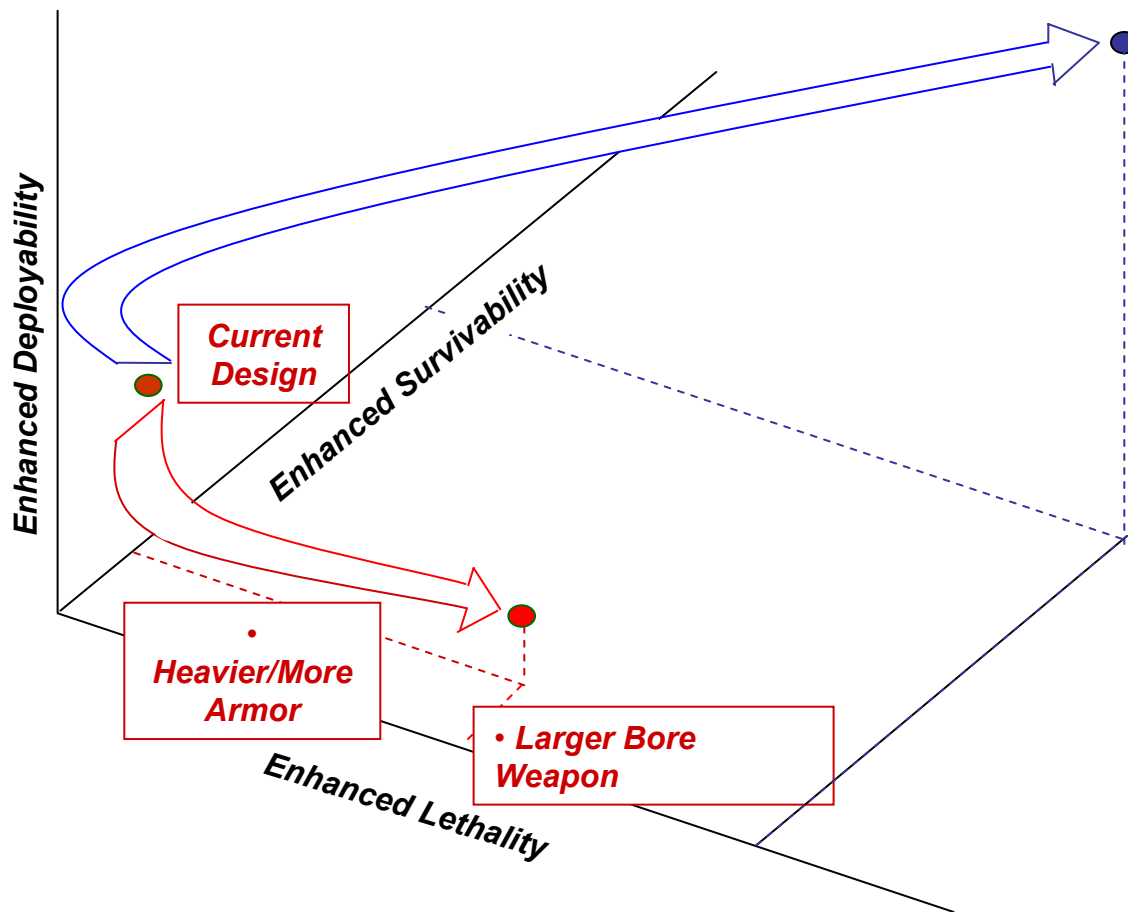


# Survivability

## Leading To New Design Paradigm

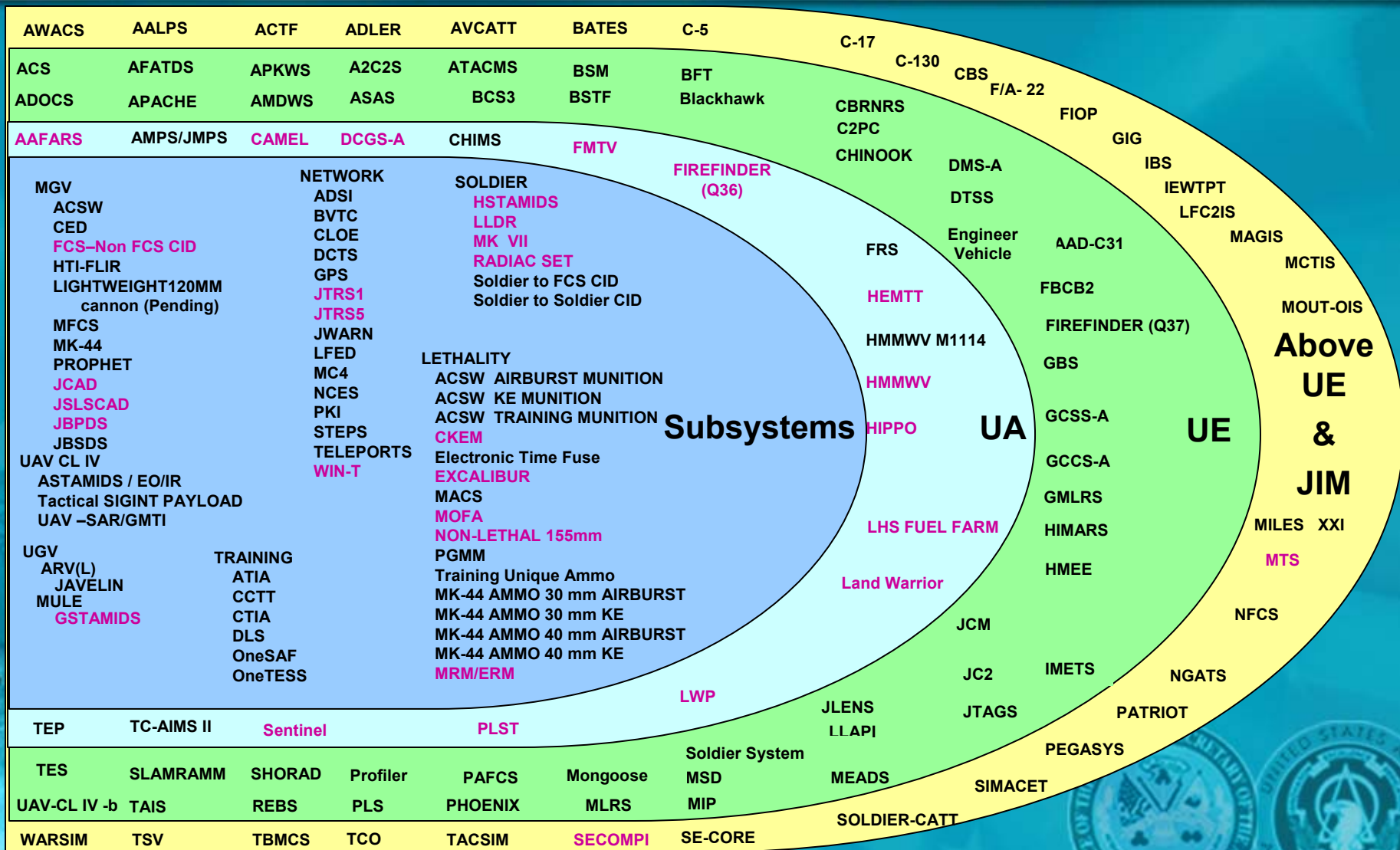
**Conventional Design Process Improves Survivability at a Loss in Deployability**

**New Design Paradigm Improves Both Survivability and Deployability**



- **Training, Simulation & Experimentation**
  - Multi-skills
  - Embedded Training
  - Live, Virtual and Constructive
- **Situational Awareness**
  - Network/Communications
  - Sensors
  - Information Processing
  - Decision Aids
- **Survivability Design**
  - Armor
  - Active Protection
  - Signature Management
  - Deception and Countermeasures
- **Vehicle Attributes**
  - Speed/Agility
  - Size and Shape...Terrain Masking
  - Manned/Unmanned
- **Lethality**
  - Weapons Mix
  - Engagement Distances
- **Relationships Between Platform Elements**

# FCS Complementary/Associated Systems Interfaces





**EQUIPPING THE SOLDIER...**



**AROUND THE WORLD**