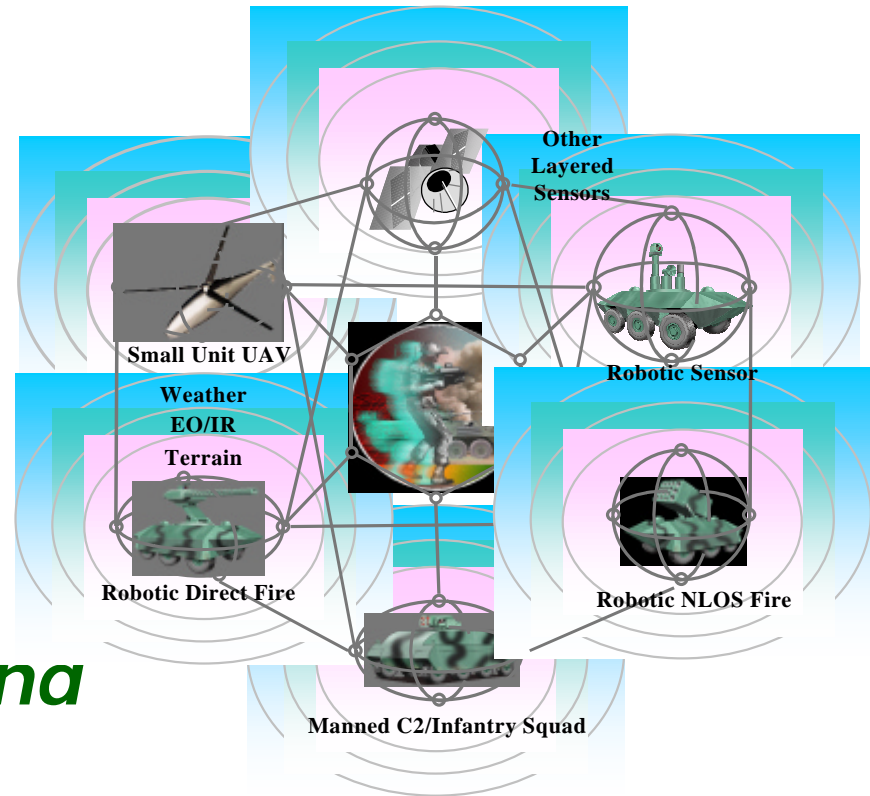




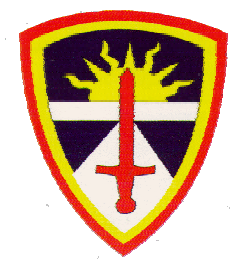
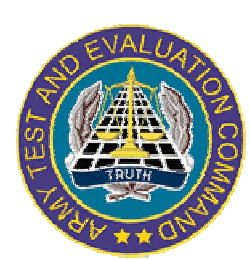
# *The Army T&E Perspective*

*Presented by*

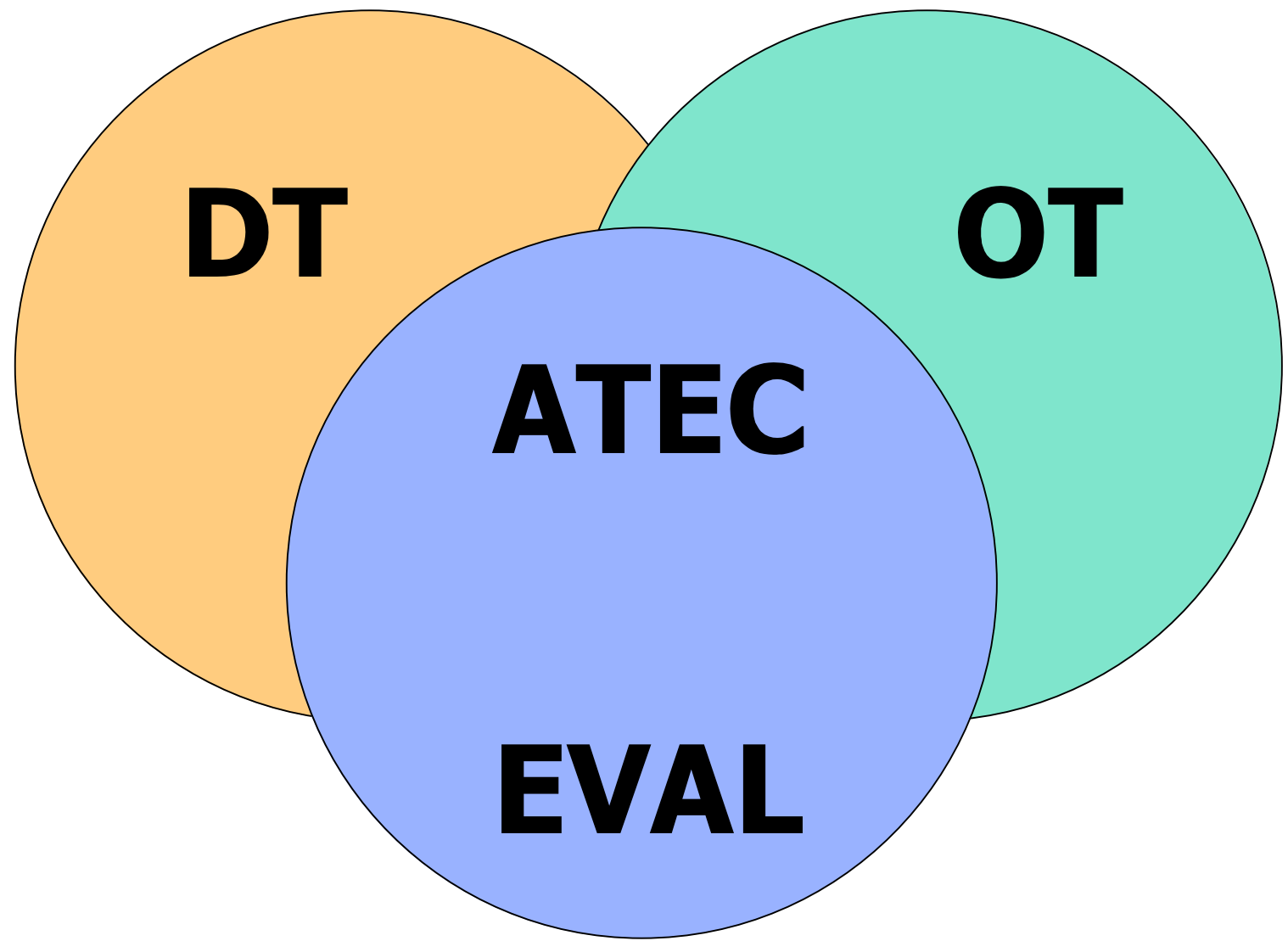
***MG Robert  
Armbruster, USA  
Commander,  
US Army Test and  
Evaluation Command***

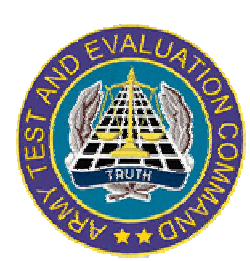


*Our Army . . . Our Soldiers . . . Our Equipment*

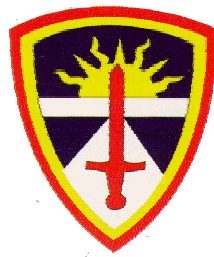


# ***Integrated T&E Structure***

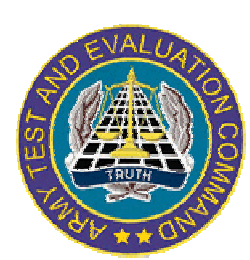




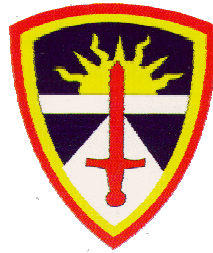
# *The Old Way*



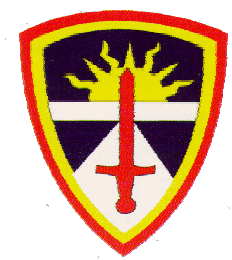
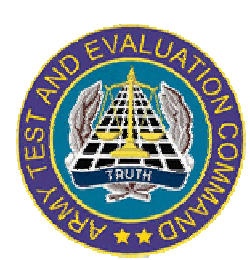
- Sequential Development, Production, P3I
- Platform-centric
  - ORD
  - S/W
  - Centralized PM
  - Instrumentation
  - T&E
  - System Evals
  - Platform Prime Contractor
- Limited Interfaces
- Survivability Measured by Armor
- Evaluations Using Platform
  - Effectiveness--Suitability--Survivability
- Unique Range Linkages
- Unique School/User Linkages
- Limited M&S and C3 S/W with Executions



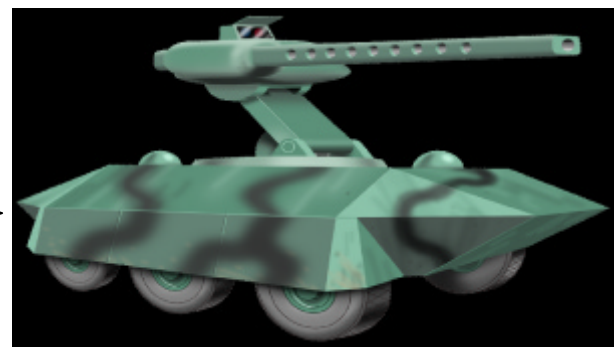
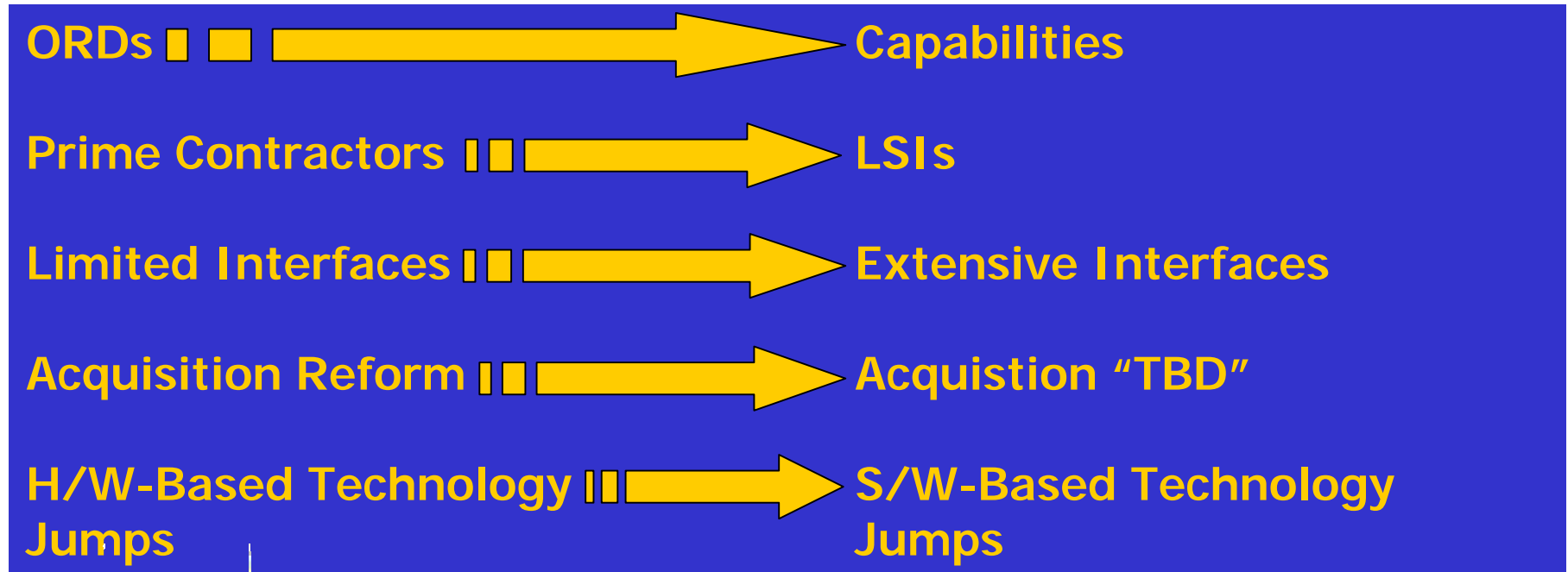
# The Current Way

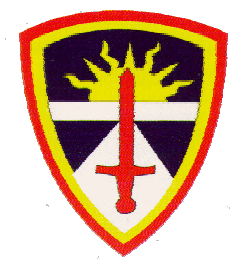


- Concurrent Development, Production, P3I
- Family of Systems (FoS)-Centric
  - Common ORD Requirements
  - Common Applique S/W
  - FoS PM
  - Common Instrumentation
  - T&E Based Upon Commonality
  - FoS Platform Evals
  - FoS Contractor with Extensive Subs
- Limited Interfaces
- Survivability Measured by Armor
- Evaluations Using FoS and Platform
  - Effectiveness--Suitability--Survivability
- Multiple Range Linkages
- Multiple School/User Linkages
- Limited M&S and C3 S/W

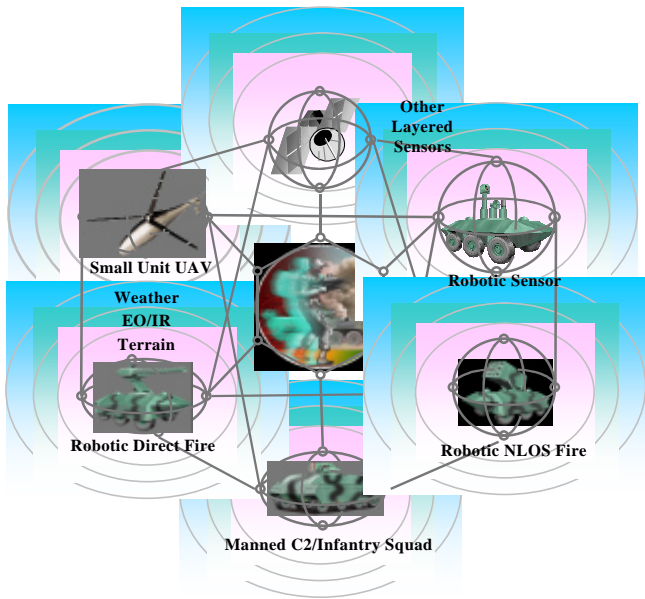


# ***What is Changing***

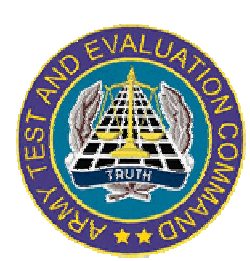




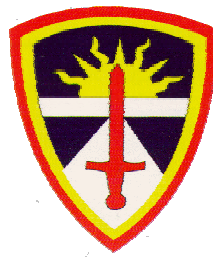
# The New Way




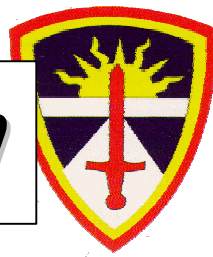
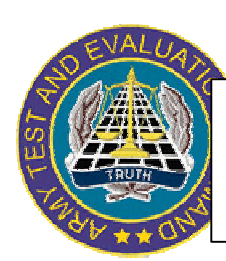
- Network and SoS-Centric
    - Capabilities
    - Decentralized PM
    - T&E New Approaches
    - LSI
  - Extensive Interfaces
  - Survivability Measured by New Approaches
  - Evaluations Using SoS Platform and Degraded States Methodologies
    - Effectiveness--Suitability--Survivability
  - Multiple Virtual and Real Range Linkages
  - Multiple School/User Linkages
  - Maximum M&S, SILS and C3 S/W
- Executive Networked S/W
  - Embedded Instrumentation
  - Platform SoS and Evals



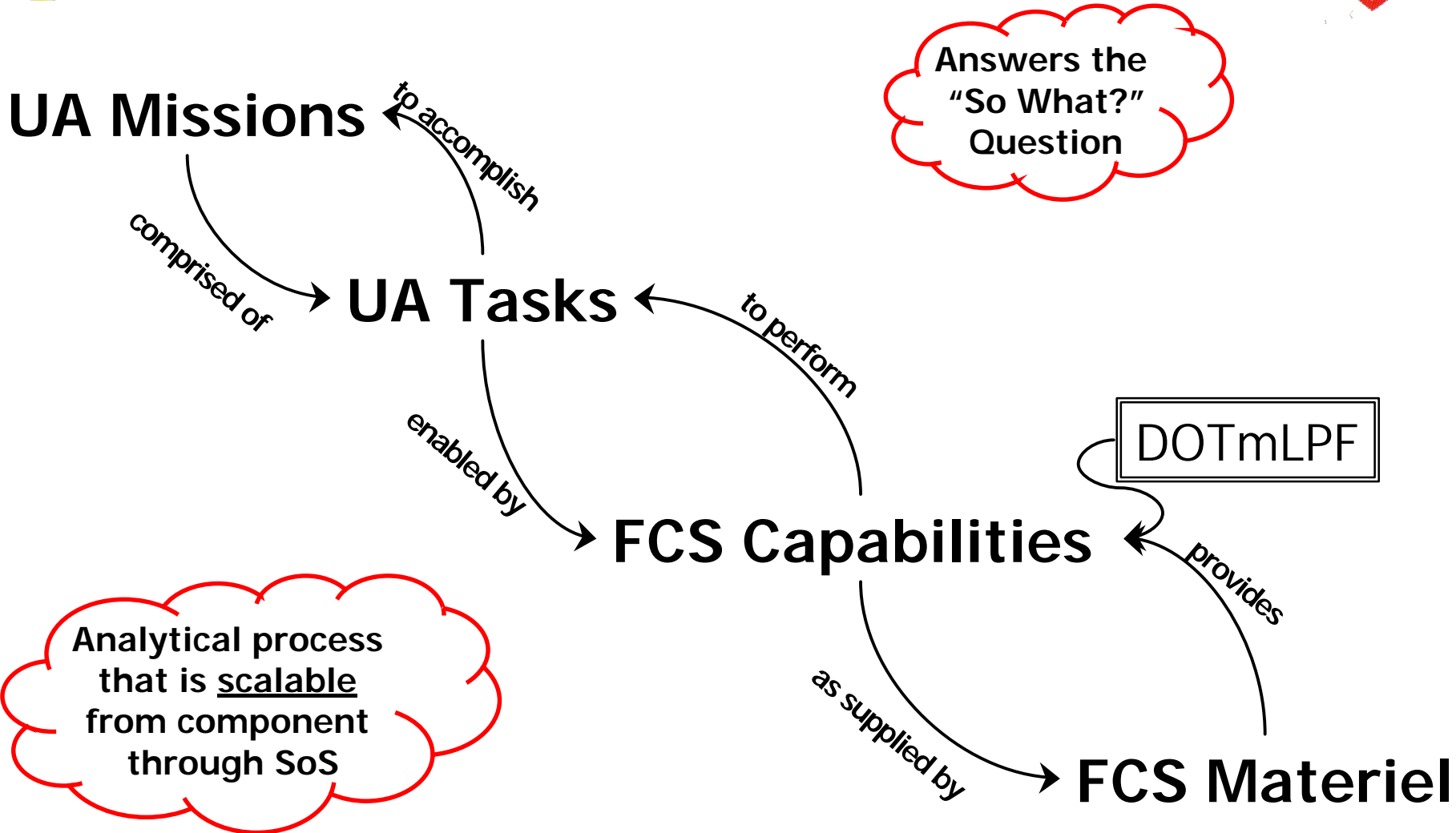
# ***New T&E Approaches***



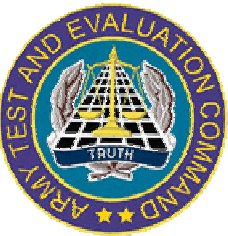
- **Up-Front Involvement with LSI/PM prior to the RFP**  
--Eval Logic--Schedules--Data Requirements--Methodology
- **Simulation OTs**  **Live OTs**
- **Extensive SoS SILS**
- **Virtual Ranges and C3 Drivers**
- **Software Blocking**
- **Committed Unit**
- **Integrated Survivability**



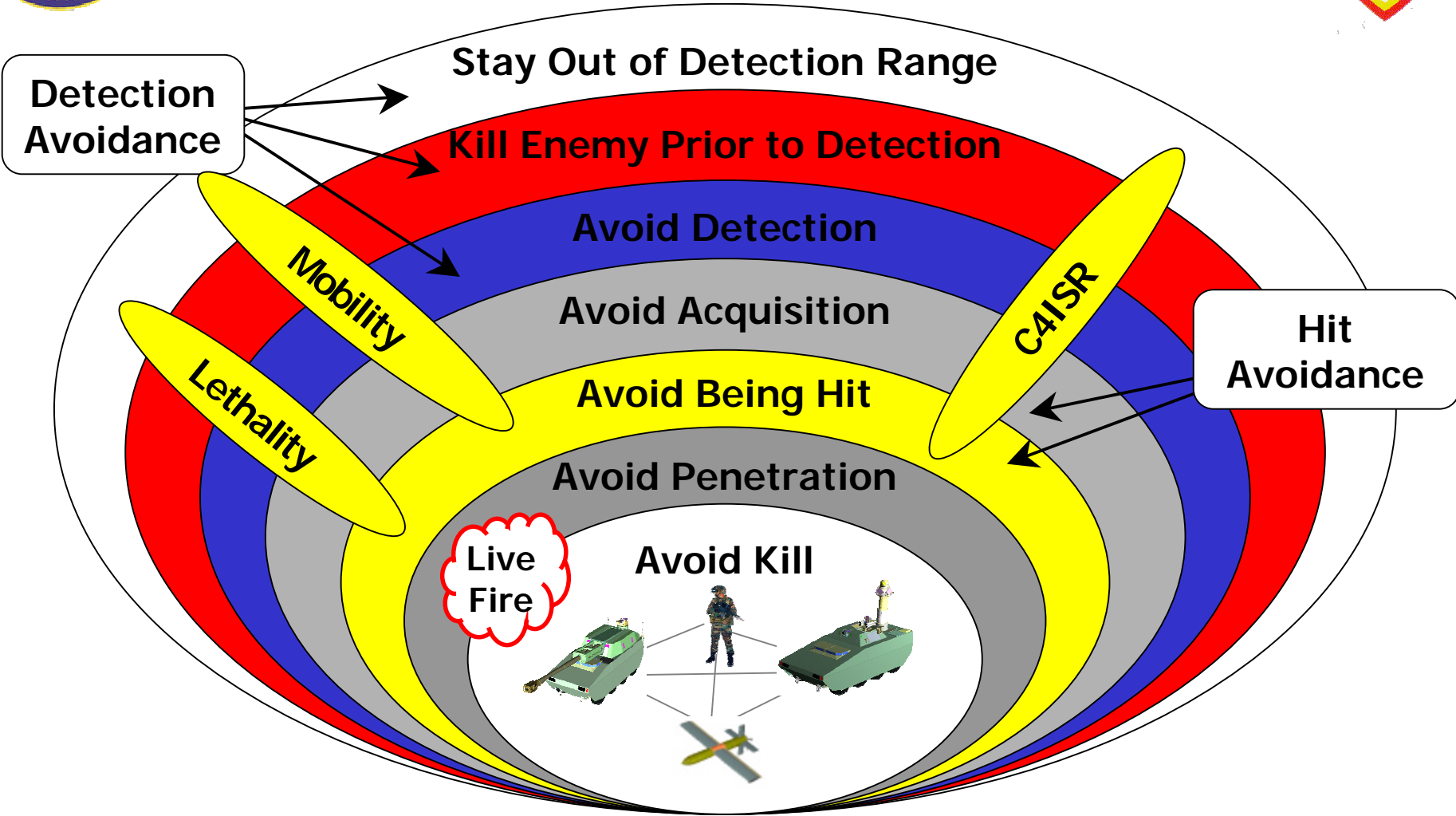
# Capabilities-Based Evaluation

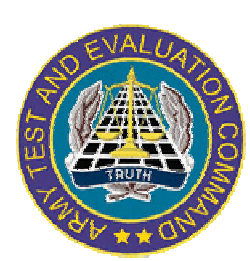






# ***Integrated Survivability***





***We Are Making Progress***

**THE NEXT STEP IS FCS**