



Requirements Development in an Era of Persistent Conflict



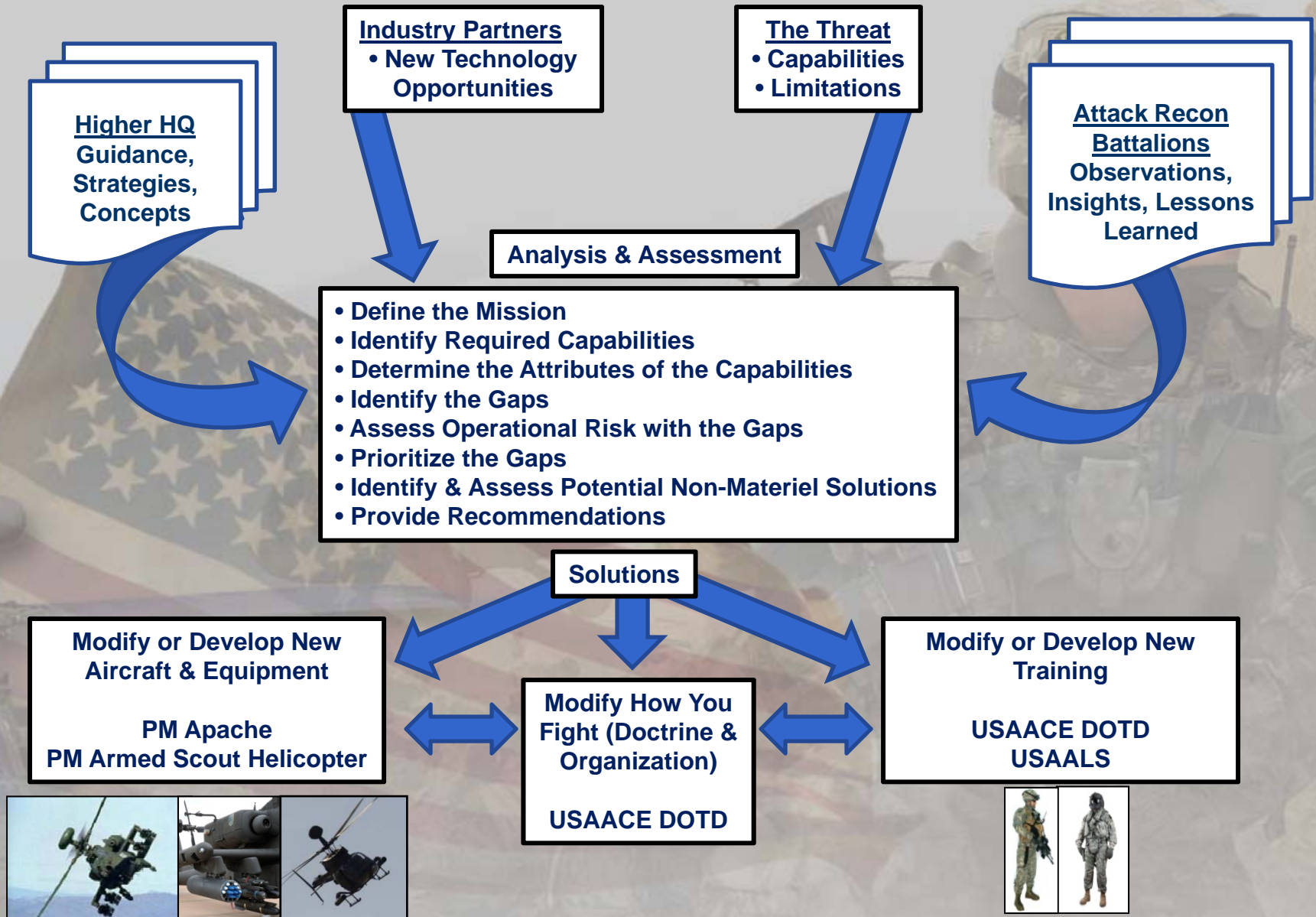
***TRADOC Capability Manager
Reconnaissance & Attack***

COL Grady King





TCM Synchronizes Capability Development & Integration





Recon/Attack Aircraft Attributes



- **Increased Accuracy**

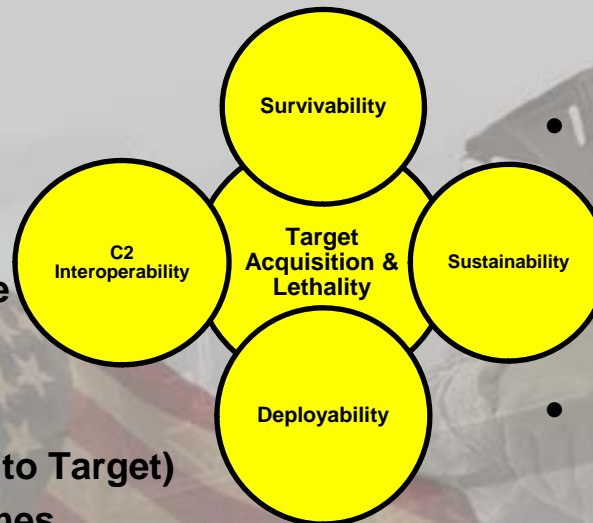
- Target Acquisition (Location & Acuity)
- Weapons Systems
- Navigation

- **Increased Range**

- Target Acquisition Range
- Weapons Range
- Aircraft Range/Endurance

- **Increased Speed**

- Aircraft Airspeed
- Weapons (Reduced Time to Target)
- Faster Start & Run Up Times
- Faster Maintenance Tasks
- Faster Deployment Time



- **Increased Power (More Payload)**

- Weight Reduction
- High/Hot Performance

- **Increased Survivability**

- Signature Reduction
- Warning & Countermeasures
- Vulnerability Reduction
- Offense vs Defense

- **Increased Situational Awareness**

- C2 Interoperability

- **Increased Sustainability**

- Increased Reliability, Availability, Maintainability

**Requirements are Prioritized by the Aircraft's Primary Mission
(Attack, Reconnaissance, Security)**



The Next Increments



Apache Block III

- UAS Level of Interoperability I - IV
- High/Hot Performance (HOGE 6K/95)
- Integrated ASE
- Link 16 Interoperability
- IMC Qualified
- Open Systems Architecture



Kiowa Warrior Upgrade

- Nose Mounted Sensor (Advanced FLIR, I2, Color TV)
- Federated UAS Level of Interoperability II
- Digital Cockpit (adds 3rd display)
- Integrated Common Missile Warning System
- New .50 cal Machine Gun (M3P)



TCM Recon / Attack

