• Mission Equipment Portfolio
• On-Going Programs
• Technologies of Interest
• Competitive Acquisitions
### Requirements

#### Survivability
- Detect and Defeat
- Multi-Spectral Threats

#### Penetration / Fires
- Navigation
- Terrain Avoidance
- Targeting

#### C4 / Mission Command
- Situational Awareness
- Digital Connectivity
- Data Management

### Technology Areas

#### RF & IR Sensors and Countermeasures
- Laser Detection

#### Acoustic Detection
- Ballistic Protection
- Signature Reduction

#### Electro-Optical Sensors
- Terrain Following Radar
- Sensor Fusion
- Synthetic Vision

#### Avionics Architecture
- Real Time Video/Data Communications

### End State

- Integrated Advanced ASE
- Full Spectrum Signature Management
- Increased Lethality Engagement Sys
- Operations Unconstrained By Environment
- Fully Fused Sensors
- Advanced /Integrated Nav System
- Multi ship SA Sharing
- OTH Info Sharing
- Airframe as hot Spot
- Cloud Based Information

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**Light Weight, Lower Cost of Ownership**
Aircraft Survivability Equipment:
- Hostile Fire Indicator DT/OT
- Lightweight IR Countermeasure Development
- SIRFC Enhancements
- Flare Improvements

Sensors and Weapons:
- Degraded Visual Environment Development
- FLIR Upgrades

Avionics:
- Secure Real Time Video Integration
- Tactical Airborne Network Integration
- Mission Processor Upgrades

Sustainment:
- Sustain operational availability
- Control sustainment costs of mission equipment
TECHNOLOGY INTERESTS

• Conformal multiband and wideband antennas
• Lighter weight cabin sound proofing/thermal protection
• Aircraft Protection Against RPGs
• Transparent, curved, light, ballistic materiel
• Coatings with low IR/RF/visual signatures
• Engine IR signature suppressor technology
• Planned future competitive acquisitions
  – A/MH-6 light weight Infrared Countermeasures
  – Airborne Mission Networking enhancing capabilities
QUESTIONS