

### SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

**Rotary Wing** 

### Brett Kennedy Deputy PM Silent Knight Radar

Business Opportunities and Technology

UNCLASSIFIED

#### **Rotary Wing**

# **Rotary Wing Lift Transformation**







**Increase Situational Awareness** 

**Signature Management** 

**Lighter And Faster** 

**Increase Payloads** 

**Increase Lethality** 

**Increase Survivability** 

**Reduce Crewmember Workload** 

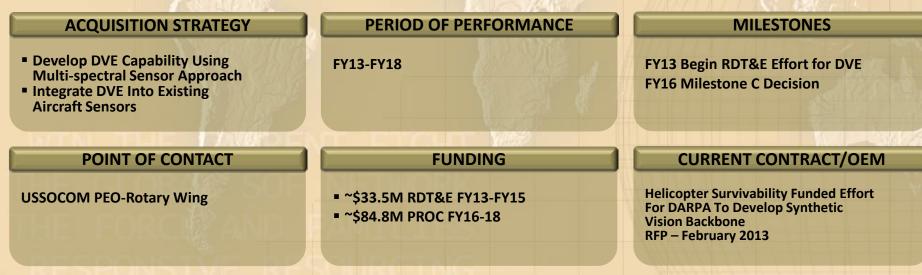
**Seamless And Quick Aircraft Integration** 

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# Degraded Visual Environment (DVE)

**Rotary Wing** 

- Integrate And Qualify A Solution Capable Of Flying In All Degraded Visual Environments
- Leverage Other Service Science And Technology Efforts Relating To DVE



# **Technology Interest**

**Rotary Wing** 

- Light Weight Curved Transparent Armor
- Noise/Optical/IR/RF Signature Management
- Hostile Fire Indicating System (HFIS)

### **Current S&T Projects**

- Low Visibility Flare
- Hostile Fire Indicating Sensor
- LIDAR Rapid Innovation Funding (RIF)

### **Rotary Wing**

# Rotary Wing Acquisition Way Ahead

#### Planning for the next five years:

- MH-47G, MH-60M, A/MH-6 Block Upgrades
- Silent Knight Radar (SKR)
- Degraded Visual Environment (DVE)
- Hostile Fire Indicating System (HFIS)
- Aircraft Occupant Ballistic Protection System (AOBPS)
- Reduce Optical Signature Emission Solution (ROSES)
- Secure Real-Time Video (SRTV)
- Light Weight IR Countermeasures for MELB (LWIRCM)
- Joint Interoperability Network

#### Planning for the next ten to fifteen years:

- Active RPG defeat
- Color changing paint
- Non-Lethal weapons (Dazzler, Acoustic Hailing)
- Curved Transparent Armor
- Noise/RF/IR signature reduction

## Ways RW Pursues S&T Projects

**Rotary Wing** 

- Small Business Innovation Research (SBIR) Program
  - Each technology pursuit includes a Phase I feasibility study and a follow-on Phase II demonstration effort.
- Broad Agency Announcements (BAA)

   Includes submission of white papers, technical proposals, statements of work, and cost proposals.
- Rapid Exploitation of Innovative Technology (REITS)

   Used throughout the year for rapid S&T efforts.

### TILO

www.socom.mil/sordac/pages/submityouridea.aspx