

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

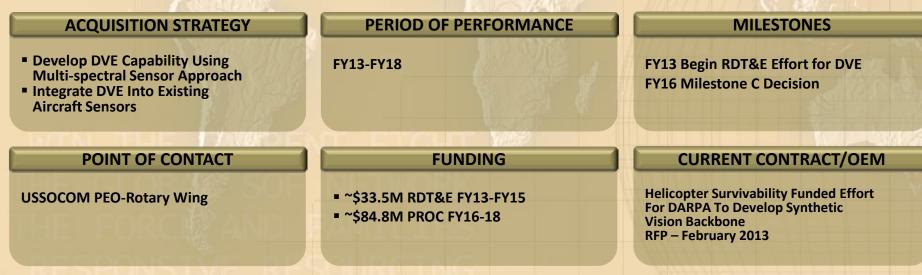
Seamless And Quick Aircraft Integration

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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.

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