



**Mr. Tom Wetterstroem**

Mission Equipment Systems  
Acquisition Manager

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ROTARY WING

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# 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**

**ROTARY WING**

# LIGHT WEIGHT INFRARED COUNTERMEASURES (LWIRCM)

- **Field an IR-Guided Missile Detection, Alert, and Countermeasure on the MELB**
- **Identify Light Weight Off the Shelf Solution**

## ACQUISITION STRATEGY

- Identify high TRL solutions via. Competitive Tech Assessment
- Integrate and test on MH-6

## PERIOD OF PERFORMANCE

RDTE: FY14-FY16  
PROC: FY16-FY19

## MILESTONES

FY14 Technology Assessment  
FY15 Aircraft Integration  
FY16 Flight Test

## POINT OF CONTACT

- 813.826.9482 (TILO)

## FUNDING

- ~\$8M RDT&E FY14-FY16
- ~\$15M PROC FY16-FY19

## CURRENT CONTRACT/OEM

Technology Assessment 2014  
Contract Award 2015

# TECHNOLOGY INTEREST

- **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 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)
- Secure Real-Time Video (SRTV)
- Light Weight IR Countermeasures for MELB (LWIRCM)
- Joint Interoperability Network
- Future Vertical Lift Integration

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

- Active RPG defeat
- Non-Lethal weapons (Dazzler, Acoustic Hailing)
- Curved Transparent Armor
- Signature Reduction (Optical/Noise/RF/IR)

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# WAYS RW PURSUES S&T PROJECTS

- **Small Business Innovation Research (SBIR) Program**
  - **OSD FED Biz Ops Announcement - November**
- **Broad Agency Announcements (BAA)**
  - Includes submission of white papers, technical proposals, statements of work, and cost proposals.
- **Foreign Comparative Testing**
  - **FED Biz Ops Announcement - May**
- **Rapid Innovation Fund (RIF) Program**
  - **FED Biz Ops Announcement - April**