PM STS Mission

- Develop, field, sustain, and improve high quality mission, training, and preparation systems for Special Operations, Joint, Conventional, and Coalition Forces that meet or exceed Warfighters’ requirements.
PM STS Training Systems

- Combat Mission Simulators
- Desktop Trainers
- SOA STARS
- Training, Engineering and Maintenance Support
- 160th SOAR(A) Contractor Support
- SOF Raptor
- ARRCAC IDIQ Contract Vehicle
- STX Trainers
- Virtual Mission Rehearsal
- JTAC
- SOF VMR
- Engagement Skills Trainer
- Soldier Monitoring System
- Courseware/POI Development
- Close Quarters Combat Smoothhouse
- Integration and Electronic Warfare Tactical Proficiency Trainer
- Instructors and Courses
- Small Arms Training Systems
- CFT
- JTAC Trainer
- Joint Fires Product Line
- Call for Fire Trainer III
- CFT
- Call for Fire Trainer II Plus
- Call for Fire Trainer II
Equip the soldiers of the 160th SOAR(A) and the TSOCs SOF with unique and unequaled Rotary Wing capabilities.

Sustain the unique aircraft operated by the 160th SOAR(A) and the TSOCs.

Support the Global SOF Network through responsive resourcing.

PM SKR: Silent Knight Radar
PM TAPO: Technology Applications Program Office
PM MELB: Mission Enhanced Little Bird

REDESCRIPTION
PESOAC SIMO
Capabilities Sponsor

PEO RW USSOCOM
Resource Sponsor

160th SOAR (A) – TSOCs
Operators

PM SKR/PM TAPO/PM STS/PM MELB
Materiel Developer
SOF Aviation
Simulator Block Upgrades (SBUDs)
Procures and maintains high fidelity and fully mission capable MH-47G, MH-60M, A/MH-6 Combat Mission Simulators (CMS) and ancillary training devices for the 160th Special Operations Aviation Regiment Airborne (160th SOAR)(A). These CMSs must meet concurrency with the aircraft and provide realistic, full-spectrum, training and mission rehearsal capabilities.
Operational Concept

MH-47-1 CMS
MH-60-1
MRETS
MH-60-2 CMS
MH-47-2
A/MH-6
FSIMNet

Mission Exercises
Operation Requirements
Pilot Training Requirements

Concurrency
Assessment

Pilot Training

Aviator Requirements
Mission Requirements
Networked Capability
SBUD’s Organizational History

TF 160th Delivery MH-47E CMS

1993

160th ARSOA(A) Delivery LASAR (A/MH-6)

2000

APM STS Established Under PM CATT

2003

PM STS Established as a CSL

2009

160th ARSOA(A) Delivery MH-47G-2 CMS

2010

160th ARSOA(A) Rehost LASAR Blk 2.0

2005

160th ARSOA(A) Rehost MH-60M-1

2011

160th ARSOA(A) Rehost MH-47G-2

2016

160th ARSOA(A) Rehost MH-60M-2

2017

Transition to STIMULATED

2018

160th ARSOA(A) Rehost MH-47G-1

2016

160th ARSOA(A) LASAR Blk 2.2

2005

2009

2010

2016

2017

2018
Simulator Block Upgrades Schedule

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<th>FY16</th>
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Recent Accomplishments

- MH-47-1 DD-250 signed Mar 2016
- MH-60-1 DD-250 signed Oct 2016
- MH-47-2 Government Acceptance Testing
- A/MH-6 Little Bird (LASAR) Block 2.2 upgrade and NEXUS Storage upgrade Government Acceptance Testing
- MH-60-2 Hardware Software Integration (HSI) ongoing
Simulation vs Stimulation Strategy

- **Stimulation**
  - Stimulated approach has the advantage in the Fidelity (Realism)
  - Lower developmental costs and Schedule
  - Lower overall cost
  - Supports earlier insertion Operational Flight Program Upgrades
  - Quick Line Replaceable Unit (LRU) replacement

- **Simulation**
  - Lower Initial Hardware Cost Commercial Off The Shelf (COTS)
  - Increased Developmental Cost and Schedule
  - Significant Recurring Cost
  - Hardware Versatility

Cheaper, quicker deliveries, proven solution
Future Areas of Interest

- Distributed Mission Operations (multi-station interoperability)
  - Connection over the STEN
  - Joint Training Capability
  - Requirement Definition Refinement

- Virtual Reality capabilities for new and existing systems
  - Multiple possible uses to meet various requirements
  - Mission Rehearsal thru Collective Trainers
  - Redesign of Existing Combat Mission Simulators

- Electric Motion Systems
  - Motion vs Non Motion
  - Weight
  - Cost Savings
Users’ Priorities: Available, Concurrent, Interoperable

- HW/SW Concurrency Across All Systems (CAAS, MSN Equipment, Block Upgrades)
- Commonality Across all Systems
- Systems fully Networked within the Complex

Future Competitive Actions:

- Special Operations Forces Aviation System Trainers – Enhancements
- Special Operation Forces Training, Engineering, and Maintenance Services
Questions