Special Operations Forces (SOF)/Air Education Training Command (AETC) Simulators

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Disclaimer: The information provided herein represents the Government’s best understanding of the procurement as of the presentation date. This information should be considered preliminary and subject to change.

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SOF/AETC Simulators Roadmap

Manpower

Requirements

Funding

New Programs

Follow-on (CLS)

Sustainment

Tech Insertion

Enterprise

LEGEND

Contract Award

Documentation

Deliverable

Completion

Key Initiative

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# SOF/AETC Branch Overview

## Simulators Division Source Selections

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<th>CY 2018</th>
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## Legend

- **Contract PoP**
- **Contract Extension**
- **SS Pre-RFP Planning**
- **RFP to Award**
Towers Training System (TSS)
Towers Training System (TSS)

• Description: Air Traffic Control simulator

• Missions:
  • Provide realistic training environment to USAF and FAA Controllers
    • Current tool set found in tower environment needed to achieve and maintain proficiency in the skills necessary to effectively control the airspace in a military and Federal Aviation Agency air traffic environment
  • Initial Qualification Training: certify new Air Traffic Controller trainee's
  • Train operational Controllers in multiple positions, with aircraft and additional controller interaction and coordination
  • Expose operational Controllers to:
    • Local mission changes
    • New aircraft/unique flight characteristics

• Location: 90+ USAF & FAA sites
Towers Training System (TSS)

Current Contractor:
Company: Adacel Systems, Inc.
Contract Number: FA8621-14-C-6321
Period of Performance: 01 Dec 13 – 30 Nov 18

Original Code Developer:
Company: Adacel

Proposed Acquisition Strategy for Follow-On Effort
• Market Research will be performed to determine whether Small Business Set-Aside
• Firm Fixed Price and Cost Reimbursable CLINs
• Single award
• Period of performance: 5 years (1 base, 4 options)
  • 90-Day Transition
• Estimated Contract Value: $19M to $25M

Points of Contact
Program Manager: Mr. Mike Hopkins, AFLCMC/WNSS
Contracting Officer: Ms. Kerisha Wordlaw, AFLCMC/WNSK
User: Mr. Jim Roberts, AFFSA/XR
Towers Training System (TSS)

- Acquisition Planning Start: Jun 17
- First Industry Day: TBD
- RFP Release: TBD
- Estimated Award Date: 31 Dec 18

- Industry will obtain updates from the program office via TSA III or FedBizOps
Predator/Reaper Mission Aircrew Training Systems (PMATS)

PMATS is:

- High fidelity simulation system modeling the MQ-1 and MQ-9 Remotely Piloted Aircraft (RPA) systems, Sensors and Weapons.
- Replicates Weapon System Ground Control Station.
- Training capabilities include:
PMATS Systems / Platform Configs

- **PMATS**
  - Fully Immersive Solution –
  - Highest-Fidelity Dedicated Simulator

- **Interim GCS (PMATS Lite)**
  - Compact Solution – Lower Cost
  - High-Fidelity Dedicated Training Solution

- **Block 15 Configuration**
- **Block 30 Configuration**
- **Block 50 Configuration**
Current/Future PMATS Locations

- 432 and 732 Wings 5/7 Training System
  Support Center (TSSC) 1/2
- 26WPS Weapons School 0/2

- 27 SOW 3/4 Ellsworth AFB
- 119 WG 1/1 Fargo ANG
- 119 AQ 0/1 Battle Creek MI ANG
- 132 FW / DTC 0/1Des Moines IA ANG
- 20 RS 1/1Whiteman AFB
- 28 BW 1/2Ellington ANG
- 110 AQ 0/1 Niagara Falls NY ANG
- 110 AQ 0/1Horsham PA ANG
- 174 ATKW 2/4 Syracuse NY ANG

- 162 WG 1/1 Tucson AZ ANG
- 49 WG 9/12 Holloman AFB
- 107 AW 0/1 Niagara Falls NY ANG

- 163 RW 2/4 March ARB
- 27 SOW 3/4 Cannon AFB
- 432 and 732 Wings 5/7 Training System
  Support Center (TSSC) 1/2

- AFLCMC/WII 1/1
  Gray Butte AFB
  Gen’l Atomic Test Facility

- 188 FW 0/1 Ft Smith ANG
- 118 WG 0/2 Nashville ANG

- 118 WG 0/2Springfield ANG
- 49 WG 9/12 Holloman AFB
- L3 COMM 1/2 Arlington TX

- 178 WG 0/2 Syracuse NY ANG
- 2 SOS 0/3 Hurlbut Fld
- 178 WG 0/2Syracuse NY ANG

Site Legend

- X/X Current/End State Devices
- Operational/FTU Locations
- Test Locations
- Future PMATS/PMATS Lite Locations
# PMATS Concurrency Roadmap

## Contract PoP
- **FY17**: 1st Q, 2nd Q, 3rd Q, 4th Q
- **FY18**: 1st Q, 2nd Q, 3rd Q, 4th Q
- **FY19**: 1st Q, 2nd Q, 3rd Q, 4th Q
- **FY20**: 1st Q, 2nd Q, 3rd Q, 4th Q

### CY17 Contract Option
- Exercise Option
- Trng Sys Rqmt Analysis

### CY18 Contract Option
- 2404 (Blk 15/30)
- 904.6 (Blk 30)

### CY19 Contract Option
- Exercise Option
- Award Follow-on Contract

### Follow-on Source Selection Prep
- Source Selection

## PMATS OFP Fielding
- **2407**
- **2408**
- **2409**

## Network Training / DMO
- **ATO Prep**
- **Signed**
- **DMO Portal Install**
- **DMON Testing**
- **Establish DMON Connections at ACC sites**
- **ARCNet Testing**
- **Establish ARCNet Connections at ANG sites**

## Block 15 Production Deliveries
- (34 Devices)

## Block 30 Mods
- (up to 60 Retrofits)

## PMATS Lite / Interim GCS
- 6-2 fielded in 3Q FY16
PMATS
Proposed Schedule for Follow-On Effort

• Acquisition planning begins: 1 Oct 17
• Estimated Award: 1 Sep 19

• Industry will obtain updates from the program office via TSA III or FedBizOps
### SOF/AETC Branch

#### Overall Requirements

<table>
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<tr>
<th>Program</th>
<th>Hardware Buy</th>
<th>CLS</th>
<th>TSSC</th>
<th>Modifications</th>
<th>Courseware Development</th>
<th>Instruction</th>
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SOF/AETC Simulators

“On The Near-Term Horizon”

• T-6 Simulator management transition to WNS in Summer of 2017; transition plan complete

• Undergraduate Remotely Piloted Aircraft Training System (URTS) and T-53 Simulator transition from HQ AETC underway

• T-X Simulator support anticipated to start ramping up in the near future
## Points of Contact

<table>
<thead>
<tr>
<th>Program</th>
<th>PM</th>
<th>Contracts</th>
<th>End User</th>
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<tbody>
<tr>
<td>TSS</td>
<td>Mr. Mike Hopkins</td>
<td>Ms. Kerisha Wordlaw</td>
<td>Mr. Jack Celie</td>
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<td>Office</td>
<td>AFLCMC/WNSS</td>
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<tr>
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<td><a href="mailto:William.oswald@us.af.mil">William.oswald@us.af.mil</a></td>
<td><a href="mailto:Mark.Winfield.1@us.af.mil">Mark.Winfield.1@us.af.mil</a></td>
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• Maintenance
• Training System (MTS)

• 9 May 2017
Advanced Pilot Training
“Notional” Schedule

Fiscal Year  FY15  FY16  FY17  FY18  FY19  FY20  FY21  FY22  FY23  FY24  FY25  FY26
Quarter  1  2  1  2  1  2  3  4  1  2  3  4  1  2  3  4  1  2  3  4  1  2  3  4  1  2  3  4

Acquisition Decision Points
• Completion of MTLV and A/C
• PDR/CDR informs Market Research and MTS procurement decision

NOTES:
1. NDA reviews and milestones align with Jam release of FYQ5 5000-02 and FYQ5 P8 profiles
2. Requires waiver from DOT before APS and competitive prototyping
3. Program to enter defense acquisition system at MTS requiring interim approval for certain generic docs with acquisition decision memorandum directing specifying completion of documentation after DDS

• Completion of MTLV and A/C
• PDR/CDR informs Market Research and MTS procurement decision

PRE-DECISIONAL
MTS Status

• Aircraft and GBTS in Source Selection
  – Projected Contract award 1 Q 2018

• MTS Current Phase FY 17: Requirements Determination and Market Research
  – MTS FBO site update (Apr 2017)
  – Created T-X SPO email site for MTS contractor engagement (Apr 2017)

• Status Briefs – On Track for acquisition
  – AETC A5/8/9 – 10 Mar 17
  – AETC/CC – 29 Mar 17, codified MTS as critical part of APT enterprise
MTS Status

• On Going Tasks
  – Integrate MTS into MS B Program Docs (July 2017)
  – Finish Representative TSRA (AETC) (July 2017)
  – MTS Conops formalization (Aug 2017)
  – Draft MTS System Requirement Document – awaiting updates informed by TSRA
  – Support the creation/coordination of the Training Planning Team Charter (Sept 2017)
  – Support drafting/coordination of the Systems Training Plan (Sept 2017)
  – Continue Engagement with Industry

• Future Work
  – Conduct Mx Task List Validation Post platform contract award
  – Release MTS RFP 2019
  – Award MTS contract 2020

• APT T-X MTS contact info
  – AFLCMC.WLZG.MTSCONTRACTS@US.AF.MIL
Questions?