SIMULATORS
SML Perspective

Colonel Philip E. Carpenter
Simulators (AFLCMC/WNS)
Agile Combat Support (AFPEO/ACS)
(937) 255-7408
AGENDA

• Simulators Program Office Overview
• Challenges
  • Example Programs
• The Future
• Summary
SIMULATORS PROGRAM OFFICE ORGANIZATIONAL CHART

• SENIOR MATERIEL LEADER

• DEPUTY FOR PROGRAM OPS
  • Programmatic/Execution
  • Manpower & Personnel
  • EPASS Management
  • CAG

• DEPUTY FOR PRGM INTEGRATION
  • Strategic Planning
  • Process/Knowledge Management
  • Program Control
  • New Business – USAF/FMS

• AIR COMBAT TRAINING SYSTEMS
  • F-15/BOMBER/ATTACK TRAINING SYSTEMS
    • A-10 ATS
    • B-1 TS
    • B-2 TS
    • T-2
  • F-16 TRAINING SYSTEMS
    • F-16 Training Systems
    • F-16 Morocco
    • F-16 Pakistan
    • F-16 Romania
    • F-16 Taiwan
    • F-16 MTC
    • F-16 Bahrain
    • F-16 Egypt
    • F-16 EAPF
    • F-16 Iraq
    • F-16 Jordan
  • AWACS TRAINING SYS
    • AWACS FCT/MTS
    • AWACS DRAGON
    • AWACS MTC

• AIR MOBILITY TRAINING SYSTEMS
  • ARLIFT SYSTEMS
    • C-5 Training Systems
    • C-17 Training Systems
    • C-130 ATS/MTS
    • C-130J MATS
    • C-130 ANG RWST
    • HC/MC-130J
  • TANKER SYSTEMS
    • KC-10 Training Systems
    • KC-135 Training Systems
    • KC-135 BOSS (ANG)
  • KC-46A / FMS
    • KC-46A ATS
    • KC-46A MTS
    • C-130 India
    • C-130 MTS
    • C-130 Italy
    • C-17 Australia
    • C-17 NATO
    • C-130 Egypt

• SPECIAL OPS & TRAINING SYSTEMS
  • SPECIAL OPS & UAV TRAINING SYSTEMS
    • ATARS II
    • AFSOC ACTS
    • JTC TRS
    • KDAM ATARS
    • PMATS
  • AIR EDUCATION & TRAINING SYSTEMS
    • A&OP Training Systems
    • Spatial D
    • IRC
    • T-1A GBTS
    • T-53A ATD
    • T-6 GBTS
    • Towers
    • T25 SECT
    • URT GBTS
    • T-38C ATS
    • VTRAT

• OPERATIONAL TRAINING INFRASTRUCTURE (OTI)
  • ARCHITECTURE, REQUIREMENTS, & STANDARDS
    • SCARS
  • DISTRIBUTED TRAINING SYSTEMS
    • CAF DMO
    • MAF DMO
    • LVC TN
    • F-22 / F-35 DMO Support
    • DTAC
    • XCITE / NGTS
  • CYBERSECURITY
Approximately 500+ members strong
Manage 63 programs and provide direct support to 9 MAJCOMs across the air & SOF domains

Portfolio includes 2,300+ Training devices and configurations worldwide
In FY18, executed >600 contract actions and managed $3.3B across 10 different appropriations
**SIMULATOR UNIVERSE**

**• AFLCMC Program Lifecycle**

* Sims typically developed with new platforms then transition to Sim SPO

**• US Air Force (USAF)**
- A-10
- B-1
- B-2
- B-52
- E-3 AWACS
- F-15 TDAS
- F-16 TS
- C-130
- C-130J
- C-17
- C-5
- KC-10
- KC-135
- KC-135 Boss
- AFSOC ACTS
- JTC TRS
- KDAM ATARS
- PMATS
- T-1A
- T-6
- T-25
- T-38
- T-53S
- TSS
- VTRAT
- URT GBTS
- LVC
- SCARS
- MAF DMO
- DTOC
- XCITE/NGTS

**• FMS**
- F-15
- F-16
- C-130J
- C-130H
- NATO C-17
- RAAF C-17

**• AFRL Human Effectiveness Directorate**
- SLATE ATD, Technology Development

**• AFLCMC/WNS & AFRL/RHA combine to form the “Training Systems Product Group”**
• Managing diverse and dissimilar portfolio of simulator programs
• Balancing ops tempo, source selections, and training continuum
• Resource constraints
• Hardware and software obsolescence
• Cyber compliance difficult with 2,300+ training devices (most in sustainment) with a wide variation of configurations
  – Exacerbated by procurement approach
    • Not bought in lots (i.e., aircraft production)
    • Incrementally procured over decades to meet platform’s operational training requirements
OVERCOMING THE CHALLENGES

• Strategic Contracting
• FAR Part 16.5 Procedures
• Training Systems Acquisition III IDIQ Contract
  – $20B Ceiling: $13.7B available
  – 25 Industry Partners: 13 Small Business Partners & 12 Unrestricted Partners
  – PoP ends 2025: Programs can order through 2028
• OTAs

Recent Efforts

<table>
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<th>FAR 16 Efforts</th>
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AF OTI 2035 FLIGHT PLAN

• Vision – “...a realistic, integrated training environment that allows our forces to train in an operationally and tactically relevant employment scheme to achieve and sustain full-spectrum readiness.”

• Air Force has identified 13 OTI Lines of Effort required to achieve the OTI vision.

1. Funding Strategy
2. Human Capital Plan
3. SYNTHETIC-TO-LIVE CAPABILITY
4. Data and Technical Standards
5. Acquisition Policy
6. Acquisition Oversight
7. Institutionalize OTI
8. Relevant Threat Environment
9. Quality Metrics
10. Joint Interoperability
11. Multinational Interoperability
12. COMMON ARCHITECTURE
13. Exercise Oversight

• Simulator Program Office directly impacts lines 3 and 12 with the LVC and SCARS initiatives
INNOVATION INITIATIVES

• OTAs
  – Distributed LVC
  – Fresh Adaptive Scenarios for Training (FAST)
  – B-1/B-52 cross-cutting visual system upgrade

• Innovation Cell
  – A/R & V/R
  – Cloud Technologies
  – Artificial Intelligence and Adaptive Learning

• Pitch Day
  – I/ITSEC 2019

• A technology incubator to infuse innovation in a systematic way across the enterprise
Leading the way to a more innovative workplace supporting multiple employee workstyle choices!
The Simulators Way Forward
• What’s the problem?
  • AFLCMC doesn’t have space to accommodate growth
  • Simulators Program Office has used up all assigned space
    • Projecting an increase in headcount by 80+ individuals in the next 12-24 months
  • WPAFB cannot quickly fix the bigger AFLCMC problem

• What are we doing?
  • Fixing the problem ourselves
  • Redesigning/updating the building 32 office space
  • Implementing voluntary telework program
FY18: 63 prgms
$3.3B/497 mbrs

FY15:
48 prgms/$2.0B
428 mbrs

FY14:
46 prgms/$1.9B
421 mbrs

Cyber/SCARS/FMS Boom

FY16:
52 prgms/$1.9B
432 mbrs

Steady Growth

Current: 64 prgms
512 mbrs & growing

Hill AFB Transition

FY17: 56 prgms
$2.7B/446 mbrs

FY10-FY13: WNS grows from
174 members to 406

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Simulators Goal

• Full mobility; laptops/tablets and Wi-Fi throughout
• Multiple work-styles choices for all employees
• Telework Opportunities for all employees
• Workspace Sharing –
  • Hoteling workstations
  • Teaming rooms
  • Casual lounge space
  • Break areas
• Health & Welfare considered in workplace design
  • 100% Adjustable height workstations
  • Ergonomic chairs
  • Quiet spaces for employee privacy
Current Building 32 furniture configuration

- 102 spaces
- 7 spaces
- 102 spaces
- 9 spaces
- 102 spaces

Total = 322 workspaces
New Building 32 furniture configuration

197 spaces  29 spaces  177 spaces  29 spaces  197 spaces

Total = 629 workspaces
### Program Office Waterfall Chart

#### Simulators Program Office Source Selections

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<th>Source Selection</th>
<th>Current Contract</th>
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<th>Follow-on Contract</th>
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#### Legend
- **Contract PoP**
- **Contract Extension**
- **SS Pre-RFP Planning**
- **RFP to Award**

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#### Notes
- Today marks the current contract and source selection status.
- Q1 to Q4 represent the quarters for CY 2019 to CY 2022.

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**Key Acronyms:**
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- AFSOC U28
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Questions?