AFSOC Training Systems

Briefing to USAF APBI and NTSA
25 May 2010

Larry Allen, GS-13
AFSOC/A5RT
Training Systems Requirements

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<th>1. REPORT DATE</th>
<th>2. REPORT TYPE</th>
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<td>Air Force Special Operations Command, AFSOC/A5RT, Hurlburt Field, FL, 32544</td>
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<th>12. DISTRIBUTION/AVAILABILITY STATEMENT</th>
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<td>Approved for public release; distribution unlimited</td>
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<th>13. SUPPLEMENTARY NOTES</th>
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<td>2010 USAF APBI, May 25, 2010, Wright Patterson AFB, OH</td>
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| 16. SECURITY CLASSIFICATION OF: 17. LIMITATION OF ABSTRACT 18. NUMBER OF PAGES 19a. NAME OF RESPONSIBLE PERSON |
|-------------------------------------------------------------|------------------|---------------------|
| a. REPORT unclassified b. ABSTRACT unclassified c. THIS PAGE unclassified | Same as Report (SAR) | 18 |                |

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Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std Z39-18
AFSOC Topics

- Vision
- Aircraft Simulator Force Structure
- MC/AC-130 Recapitalization
- Aviation Foreign Internal Defense
- Battlefield Airmen Simulation Initiatives
- Training Systems Support CLS
- POCs and Questions
AFSOC Vision

- Accomplish as much training on training systems vs. actual assets due to LD/HD nature of force
  - Schoolhouse and unit training
  - Force multiplier

- Priorities:
  - Initial and Mission Qualification
  - Currency Events/Continuation Training
  - Proficiency
  - Mission Rehearsal
Roadmap Implementation

- Concurrency (maintain return-on-investment)
- Obsolescence (simulator depot) line of funding
- High Fidelity Simulators
  - Level D standard (WSTs)
  - SIMCERT program
- Return-on-investment (ROI)
  - Goals (80% formal school events, up to 50% currency, increase proficiency hours, sim time credit for upgrades, home station refresher trng, increase bilateral trng use of sims)
- Force Structure
  - Must grow for existing as well as new
MC-130 and AC-130 Recapitalization

- MC-130J (37) recapitalizes MC-130E and P legacy aircraft fleet
  - Based on KC-130J (OFP 6.5) plus MC/HC modifications
  - Aircraft basic qualification (pilots and loadmasters) @ Little Rock AFB
  - CSO, Pilot, LM mission qualification training @ Kirtland AFB
- AC-130J (16) recapitalizes AC-130H
  - Mission qualification training @ Cannon AFB
  - Continuation/unit training @ Cannon AFB
- No O’CONUS training devices
- Training system procurement via JMATS II contract
- CLS via ATARS II contract
MC-130J Training Devices

- Aircrew Courseware
- Cannon AFB
- Hurlburt Field
- Loadmaster PTT
- Integrated Cockpit Maintenance Trainer
- Weapon Systems Trainer
- Visual Awareness Recognition System
QDR initiative for Mi-17 Simulator
Funded FY12
CPD Pending
Hurlburt Field, FL
Special Tactics
Battlefield Airmen

Combat Control (CCT)

Combat Weather

Tactical Air Control Party (TACP)

Pararescue (PJ)
Battlefield Airmen
Requirements

USAF Battlefield Airman Modernization PMD 05-001, May 2007 (FOUO)
CCT, TACP, PJ, Combat Weather Requirements

- Simulator Reqs
  - TACP (JTAC)
  - CCT (JTAC + ATC)
  - C2 (ASOC/SOF C2)
  - JTC TRS Annex
Joint Terminal Control Training and Rehearsal System (JTC TRS)

- Air Traffic Control (CCT unique)
- JTAC (CCT and TACP)
- Will be fielded at each Special Tactics Squadron (11 sites, 12 systems)
  - Fixed-site, partial domes funded
- Air Force JTC TRS CLS contract
AFSOC
Funded JTC TRS
• Combat controllers were at the Port-au-Prince International Airport within 12 hours after the Presidential request was made. For 12 days (24hrs/day) they controlled up to 250 aircraft a day, exceeding the normal capacity of the airfield by 1,400% without a single incident – all without the aid of computers or electricity. They enabled the delivery of over 4 million pounds of humanitarian relief to the people of Haiti.

• The Special Tactics Operators were from AFSOC’s 720th Special Tactics Group. They were led by CMSgt Antonio Travis, who was recognized as one of TIME magazine’s 2010 Top 100 most influential people in the world for his efforts.
PJ Simulator
Future
PJ Training Shortfalls

- AFSOC Deficiency: Realistic training and rehearsal
- DoD Directive 3612.1
  - Alternatives to Live Tissue Training (LTT) Required
  - LTT inadequate for combat training
- Existing medical training inadequate
  - Current training is difficult to accomplish and costly
- Existing training aids (task trainers) inadequate
  - Unrealistic
  - Difficult to incorporate in full mission training
- No dedicated PJ simulator
- FY10 Congressional add for PJ sim development
  - Monitor FedBizOpps (fbo.gov)
PJ Simulator
Notional Requirements
(CDD in Draft)

- Virtual environment
- All PJ mission sets
- One or more players
- Available anywhere connection exists
- Continuous hardware & software improvement
- Adaptable to many career fields

- Mimics hard to simulate environment, sensory inputs, decision process
- “On-Demand”
  - Flexible trng schedule
- Enable leveraging of R&D projects increasing overall capabilities and effectiveness
- Scenarios can be changed on the fly

Intent to add on to JTC TRS architecture/simulators
Training Systems Support CLS

- Aircrew Training and Rehearsal Support (ATARS) II contract, 2007
  - Prime: Lockheed Martin Simulation, Training & Support – Orlando
  - Maintenance, operations, instruction, courseware, DMO, engineering
  - Cannon AFB, Hurlburt Fld, Kirtland AFB, Harrisburg ANG
  - Program Office now at 677 AESG

- MQ-1/9 CLS via Predator Mission Aircrew Training System contract

- JTC TRS includes CLS
POCs

Questions

AFSOC Training Systems Requirements
- Larry Allen, AFSOC/A5RT, (850) 884-5568

ATARS II:
- 677 AESG/SYCC, Capt Shane Smoot, (937) 255-3391
- AFSOC/A3TS, Scott Murphy, (850) 884-5773

MC/AC-130J:
- Jim Sprance (JMATS), 668 AESS/SYCB, (785) 255-6471
- Craig Hoffman, AFSOC/A5RT, (850) 884-1600

JTC TRS:
- Kenneth Millard, 677 AESG/SYCC, (937) 255-4786

Battlefield Airmen Simulators
- Steve Scott, AFSOC/A5ZS, (850) 884-2275