Planned Acquisitions

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- ACC & DMO Programs Division (677 AESG/SYCB)
  - JTC TRS
  - B-1
  - Global Hawk
  - Predator
  - F-15C
  - AWACS
- Mobility & FMS Programs Division (677 AESG/SYCA)
  - C-17
  - C-130J
  - KC-45
  - FMS

Joint Terminal Control Training & Rehearsal System (JTC TRS)

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Date: 12 May 2009

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Joint Terminal Control Training & Rehearsal System (JTC TRS)

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Description

- The Joint Terminal Control Training & Rehearsal System (JTC TRS) is a training/mission simulation system that has joint applicability for training Joint Terminal Attack Control (JTAC) personnel in all services
- Basic Requirement System must train: Terminal Attack Control; Fire Support Coordination; Air Traffic Control (Landing Zone: Take-Off, Taxi, Landing, Park, Drop Zones: Paratroops, Cargo) and Mission Rehearsal
- Multiple configurations required to meet multiple student type and location needs (Fixed, Portable, Dome)
- Development underway for partial dome production representative article, anticipated completion Feb 10

Acquisition Strategy

- TBD
- Follow effort to produce 50+ devices, CLS
- Potential for develop additional configurations.
- Anticipate contract award FY11

Funding

- Funds will include 3080, 3400, potential for 3600
- Build-to-budget for FY10+

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Period of Performance

- FY10-FY15

End User POC

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Milestones

RFI – May 09

RFP – FY10/3Q

B-1 Training System

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B-1 Training System

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Description

•The objective of the B-1 TS program is to provide the Warfighter fully integrated, cost-effective, high fidelity training in the operation, weapons employment and maintenance of the B-1 weapon system.
• The B-1 contract is a 5-year effort that combines concurrency upgrades, Contractor Logistics Support (CLS) and Training Systems Support Center (TSSC) operations.
• This is not a full scale development for the training system; rather the modifications to the B-1 TS are to maintain concurrency with the B-1 weapon system and provide CLS for the TS.
• No new devices will be acquired.

Acquisition Strategy

• New contract vehicle, full trade off, best value source selection
• Full and open
• Award a single contract for concurrency and CLS
• Period of Performance – 5 years

Funding

• 3600, 3010, and 3400 funding available for both ATS and MTE's.

Program Office POC

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B-1 Training System

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Summary of Program Requirements

- Modifications to bring Training Systems into configuration concurrency with the B-1 aircraft.
- Full-time on-site CLS for the Simulated Systems (SS) and on-call CLS for the MTE
- Training Software Support Center: to maintain configuration management over training software baselines; maintain the technical order and drawing library for its assigned trainers; perform routine sustainment software changes to maintain the training fidelity of the devices; provide management and database support for Distributed Missions Operations (DMO); correct training system deficiencies.
- Operational sites include Dyess AFB, Ellsworth AFB, Sheppard AFB

Milestones

- Jan 11 – Industry Days
- Mar 11 - Bidder's Library/Site visits
- Draft RFP release – Apr 11
- Final RFP release – Jun 11
- Current Contract ends - 31 Dec 11
- Target Award date for new contract – Sep 11

End User POC

- Air Combat Command
- Air Education and Training Command

Current Contract (if recompete)

Company: Rockwell Collins
Contract Number: F33657-01-D-0012
Period of Performance: 2/23/2006-12/31/2011

Original Developer/OEM (if recompete)

Boeing - 1988

Global Hawk Full Mission Simulator

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Date: 12 May 2009

Global Hawk Full Mission Simulator

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Description

- Global Hawk Full Mission Simulator is an ACC A8/A3 combined requirements program
- The FMS will be the primary training device for Global Hawk Sensor Operators and Pilots
- Employs IOS, visual systems, full compliment of simulated systems, DMO, AOR databases and Brief/Debrief systems

Acquisition Strategy

- Sole source to Northrop Grumman Corp. Rancho Bernado, CA
- Corporate source selection
- Plan for single integrator
- SDD, Production and Sustainment (TSSC)
  - Option CLINs for production
  - Anticipate 1 base plus 2 option years for TSSC

Funding

- Full funding currently in place (subject to change)
- Funding for RDT&E and production of approximately 6 systems

Program Office POC

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Procurement Authority POC

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Global Hawk Full Mission Simulator

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Summary of Program Requirements

- Requires robust systems engineering processes
- FMS requires: MOSA, CMMI level 3, DMO, modular design, etc.
- All devices except stand alones will require DMO connectivity
- Additional stand alone pilot trainers will be an option
- Tentative Fielding (subject to change):
  - 3 FMS and 2 Brief/Debriefs Beale AFB
  - 1 FMS and 1 Brief/Debrief Grand Forks AFB
  - 1 FMS and 1 Brief/Debrief at Hickam AFB and Ramstien, AFB
  - Option for up to 10 additional devices

Milestones

- RFP Release – TBD
- CA – TBD
- RFT – TBD

End User POC

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Current Contract (if recompete)

Company:
Contract Number:
Period of Performance:

•Initial Procurement

Original Developer/OEM (if recompete)

Company:
Date Delivered:

•Initial Procurement

Predator (PMATS)

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Date: 12 May 2009

Predator (PMATS)

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Description

• The Predator Mission Aircrew Training Systems (PMATS) provides pilot and sensor operator training for the Predator and Reaper aircraft. The PMATS consist of a ground control station, instructor/operator station, brief/debrief, and a local area network cabinet. The PMATS will be required to be DMO be capable providing locally networked and Distributed Mission Operations (DMO) environment training. The PMATS shall maintain concurrency with all aircraft (MQ-1 and MQ-9) capability.

Acquisition Strategy

• Full and open competition

Funding

• Anticipated Funding
  - RDT&E - TBD
  - Production - TBD
  - O&M - TBD

Program Office POC

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Predator (PMATS)

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Summary of Program Requirements

- Provides pilot and sensor operator training concurrent with the Predator and Reaper aircraft
- Locally networked and Distributed Mission Operations (DMO) environment training
- Maintain concurrency with MQ-1 and MQ-9
- Contractor Logistics Support to maintain fielded training systems

Milestones

- Contract award NLT 31 Dec 2011

End User POC

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Current Contract (if recompete)

Company: Link Simulation & Training
Contract Number: F33657-01-D-2077 0007
Period of Performance: 31 Dec 2011

Original Developer/OEM (if recompete)

Company: Link Simulation and Training
Date Delivered: Jan 2007

F-15C Mission Training Center

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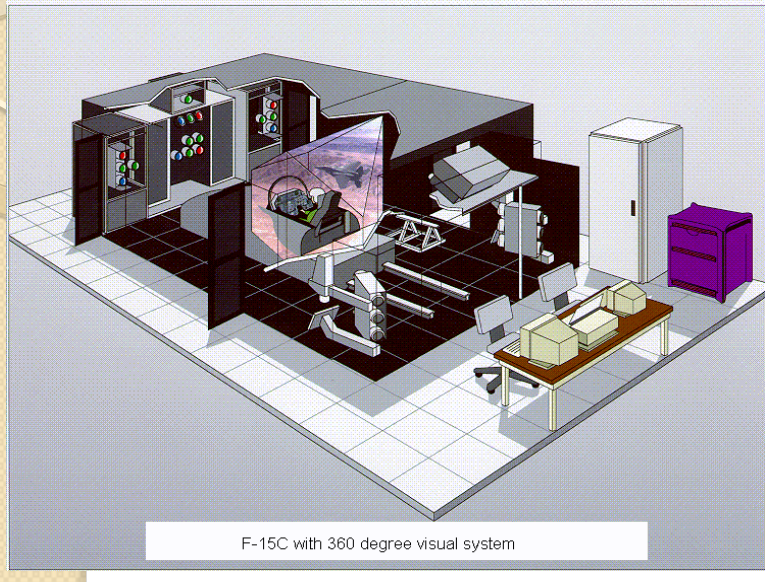

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F-15C Mission Training Center (MTC)

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Description

• The F-15C MTC program consists of simulation system capability provided through the use of an MTC that contains high fidelity cockpits, instructor/operator stations, brief/debrief capabilities, threat stations, command and control stations, a realistic combat environment and DMO Network capability. The ACC aircrews may perform any or all functions identified in the Master Training Task List associated with flying solo or multi-ship missions from mission planning through mission debrief. The capability to simulate all functions associated with all aspects of full spectrum F-15C training and wartime missions are present.

Acquisition Strategy

• Competition
• Source Selection for Services Contract

Funding

• Estimate $165M

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Period of Performance

• 2011 / 2012 Start of Service
• Minimum of 3 years with additional follow on years

Data Status

• N/A for services contract

Milestones

• Released Services RFI 10/08: Industry Day 12/08
• Released updated RFI 03/09: ACQ Strategy June 09: Follow-on Industry Day TBD

F-15C Mission Training Center (MTC)

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Summary of Program Requirements

• A high fidelity, simulated combat environment integrated with simulations of all avionics and weapons systems, programmed or interactive threat aircraft, gunnery, air-to-air and surface-to-air missiles, electronic countermeasures, communications networks, command and control structures, atmospherics, and DMO Network capability. Types of devices – cockpits, instructor/operator station, brief/debrief. Anticipated Installations - RAF Lakenheath (4 ship), Kadena AB (4 ship), Optional 2 CONUS sites (unfunded)

Training Analysis/Requirements Results

• Meet ACC Master Training Task List and Roadmap
• Immersive Training Environment
• Full Spectrum Training Capability

New Technologies/Capabilities Anticipated

• State-of-the-Art high-fidelity visual system
• Intelligent Virtual/Constructive Entities (IV/CE)
• F-15C Roadmap requirements

Critical Performance Issues/Risks

• Immersive Training Environment
  • Visual & NVIS Cues
  • Physical Cues (AOA buffet, Cockpit, HOTAS etc.)
  • Aural Cues
• DMO Interoperability and Standard Compliance
• Aircraft and DMO Standards Concurrency
• Participation in DMO Standards Development
• Thorough Brief/Debrief Capability
• Risks: IV/CE, Visuals

Additional Information

• Developing F-15C MTC documentation
• Emphasize Hardware-Software Integration, Engineering Verification Testing, On-site Validation Testing

Airborne Warning and Control System (AWACS) Mission Training Center (MTC) 30/35 Follow-on

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Airborne Warning and Control System (AWACS) Mission Training Center (MTC) 30/35 Follow-on

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Description

To provide simulation training services for AWACS Block 30/35 mission crews when current contract expires with no gap in service. Services include Distributed Mission Operations, live feed, instructor led, and solo training scenarios. Each MTC is capable of training up to five simultaneous independent training modes. Each MTC has fourteen crew consoles, six instructor operator stations that drive simulations, and two brief/debrief rooms. There are three Air Combat Command MTC sites at Tinker AFB and two Pacific Air Force Command MTC sites, one at Elmendorf AFB and one at Kadena AB.

Acquisition Strategy

- Full Competition Source Selection

Funding

- TBD

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Period of Performance

- Feb 2014 Start of Service
- To cover Block 40/45 Mission Crew Training System (MCTS) upgrade – estimated through 2019 with a drawdown of 30/35 MTCs when 40/45 MCTS come online

Data Status

- N/A for services contract

Milestones

- RFI release, Industry Day – as soon as full requirements become known

Airborne Warning and Control System (AWACS) Mission Training Center (MTC) 30/35 Follow-on

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Summary of Program Requirements

Continuation of current AWACS 30/35 MTC service capability at Tinker AFB, Elmendorf AFB and Kadena AB with no break in service. This includes DMO interoperability and standards compliance, as well as aircraft concurrency for all crew positions.

Training Analysis/Requirements Results

- Meet ACC Master Training Task List and Roadmap
- Immersive Training Environment
- Full Spectrum Training Capability

New Technologies/Capabilities Anticipated

- None

Critical Performance Issues/Risks

- Immersive Training Environment
- DMO Interoperability and Standard Compliance
- Aircraft and DMO Standards Concurrency
- Participation in DMO Standards Development
- Instructor Operating Stations
- Thorough Brief/Debrief Capability
- 99% System Availability
- Risk: Break in Service After Current Contract Expires

Additional Information

- Only documentation available is Positional Handbooks for each crew position.
- 30/35 MTCs will be phased out (service terminated) as each 40/45 MCTS becomes operational.