



# AWACS Mission Training Center (MTC)



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**25 May 10**

All information contained in this presentation represents the Government's understanding of the nature of the anticipated procurement as of the presentation date. All information is subject to change.

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# AWACS MTC

## Description

The MTC shall be a high fidelity simulation of E-3 mission system hardware, performance, and capability that represents Block 30/35 AWACS

Includes simulations of sensor systems, data-links, communication and navigation systems, constructive entities, common malfunctions, and databases

Enables crewmembers to train in a stand-alone mode or networked mode with other DMO participants for a full range of composite force employment options

Block 30/35 to be replaced by Block 40/45 approximately FY20



U.S. AIR FORCE

# AWACS MTC

## Acquisition Strategy

Current contract ends Feb 14

Seeking Sole Source (SecDef Waiver)

No Break in Training

## Program Office POC

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U.S. AIR FORCE

# AWACS MTC

## Funding

Current Program: \$51.2M

## Procurement Authority POC

Name: Steve Godby

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Phone: (937) 255-3748

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U.S. AIR FORCE

# AWACS MTC

## Summary of Program Requirements

99% Availability with any deficiencies causing trainer down-time to be corrected within 8 hours

Must be available for Surge Operations

Concurrency- Must be concurrent with home station aircraft

Support all modes of training

DMO Interoperability

Open Architecture to support Technology Insertions



U.S. AIR FORCE

# AWACS MTC

## Milestones

Contract Award Dec 13

## Current Contract

Company: PLEXSYS Interface Products, Inc.

Contract Number: F33657-98-D-0021

Period of Performance: Feb 99 to Feb 14



U.S. AIR FORCE

# AWACS MTC

## End User POC

Name: Maj Mary Ellington, 552 OSS/OST

Phone: (405) 734-2435

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## Original Developer/OEM

Company: PLEXSYS Interface Products, Inc.

Date Delivered: Feb 99



# AWACS Maintenance Trainer System (MTS)



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25 May 10

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# AWACS Maintenance Trainer System (MTS)

## Description

The E-3 MTS primary mission is to provide training and hands on experience as defined in the E-3 AWACS TOs. Mockup exercises familiarize students with physical characteristics, removal and replacement of LRUs, SRUs, BITE and external test connectors.

Capability to conduct advanced 5/7 level training with students using test equipment to troubleshoot instructor created faults.

Program provides support for organic USAF and NATO at Tinker AFB.



# AWACS Maintenance Trainer System (MTS)

## Acquisition Strategy

Current contract ends 30 Sep 11

Service Disabled Veteran Owned Small Business set aside

Maintain concurrency with E-3 aircraft modifications

## Program Office POC

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# AWACS Maintenance Trainer System (MTS)

## Funding

Current Program: \$25M

## Procurement Authority POC

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# AWACS Maintenance Trainer System (MTS)

## Summary of Program Requirements

95% Availability with any deficiencies causing trainer down-time to be corrected within 8 hours

MTS training capability: Per the Training System Configuration Working Group (TSCWG) agreed upon direction

Program Management: 100% of deliverables on time with correction to 100% within 5 working days of notification

No break in training



# AWACS Maintenance Trainer System (MTS)

## Milestones

Industry Day 5 Mar 10 and 10 May 10 at Tinker AFB, OK

Release RFP 1 Jul 10

Contract Award 1 Jul 11

## Current Contract (if recompetete)

Company:	}	ProActive Technologies, LLC
Contract Number:		F42630-01-C-0247
Period of Performance:		Aug 01 – 30 Sep 11



# AWACS Maintenance Trainer System (MTS)

## End User POC

Name: } SMSgt Nick Grba,  
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Email: } Nick.Grba@tinker.af.mil

## Original Developer/OEM (if recomplete)

Company: } ProActive Technologies, LLC  
Date Delivered: } Dec 01



# AWACS Flight Crew Trainer (FCT)



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25 May 10

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# AWACS Flight Crew Trainer (FCT)

## Description

The FCT will provide trained, mission qualified crew members for E-3 crewmembers - Pilot, Copilot, Navigator and Flight Engineer including initial, difference, upgrade, continuation, senior staff and recertification.

Both Instructor Based Training (IBT) and Computer Based Training (CBT) will be provided by the contractor through curriculum development. All courseware developed belongs to the government.

FCT will be concurrent with the E-3 aircraft and operate as a high fidelity simulation of the aircraft.



# AWACS Flight Crew Trainer (FCT)

## Acquisition Strategy

Current contract ends Sep 14

SECDEF Waiver (Seeking Sole Source)

No Break in Training

## Program Office POC

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# AWACS Flight Crew Trainer (FCT)

## Funding

Current Contract \$158M

## Procurement Authority POC

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# AWACS Flight Crew Trainer (FCT)

## Summary of Program Requirements

“Qualified Crew Member”

Contractor Devices:

- 2 Level D Operational Flight Trainers (OFT)
- 1 Level 7 Flight Training Device (FTD)

GFE device:

- 1 Navigation Part Task Trainer (NPTT)



# AWACS Flight Crew Trainer (FCT)

## Milestones

Contract Award Aug 14

## Current Contract

Company: L-3 Communications

Contract Number: F42630-00-C-0024

Period of Performance: Jan 00 – Sep 14



# AWACS Flight Crew Trainer (FCT)

## End User POC

Name: Lt Col William Rogan, 552 ACW/XPR

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## Original Developer/OEM

Company: L-3 Communications

Date Delivered: Jan 00



U.S. AIR FORCE

# F-15C Mission Training Center



**Kristi Forino**

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Date: 25 May 10

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U.S. AIR FORCE

# F-15C Mission Training Center

## 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.

User: ACC, PACAF, USAFE



U.S. AIR FORCE

# F-15C Mission Training Center

## Acquisition Strategy

Single award

Acquisition Strategy In Work

## Program Office POC

Name:

Organization:

Phone:

Email:

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U.S. AIR FORCE

# F-15C Mission Training Center

## Funding

Current contract value: \$230M

Operations and Maintenance

## Procurement Authority POC

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U.S. AIR FORCE

# F-15C Mission Training Center

## Summary of Program Requirements

### Simulation Services:

Meet ACC Mission Essential Competency Training List and Roadmap

Immersive Training Environment

Full Spectrum Training Capability

### System Capabilities:

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, atmospheric

DMO Network capability



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# F-15C Mission Training Center

## Summary of Program Requirements

Types of devices: 4-Ship Integrated Mission Training Center

- 4-ship integrated cockpits

- Instructor/operator station

- Brief/debrief

Anticipated Training Locations

- RAF Lakenheath

- Kadena AB

- Optional 2 CONUS sites (unfunded)

Technical Data: N/A (simulation services)



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# F-15C Mission Training Center

## Milestones

Released Services RFI(s): Oct 08 and Mar 09

First Industry Day: Dec 08

Acquisition Strategy: In-work

RFP Release: TBD

Contract Award: 2011/2012

## Current Contract

Company:	}	Boeing
Contract Number:		F33657-97-D-0025
Period of Performance:		Nov 97 – Nov 12



U.S. AIR FORCE

# F-15C Mission Training Center

## End User POC

Name: } Rich Grohs  
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## Original Developer/OEM

Company: } Boeing  
Date Delivered: } May 00 – Start of Service



U.S. AIR FORCE

# DMO Operations & Integration



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25 May 2010

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# DMO Operations & Integration

## Description

DMO O&I provides the integration and operational services necessary to integrate geographically separated DMO and legacy simulator systems. The contractor provides the necessary infrastructure and updates critical technologies needed to evolve the overall capability of DMO to support a real-time common synthetic battle-space. The contractor establishes and maintains the standards that enable interoperability among dissimilar simulator systems and is the master architect of the DMO Network. The contractor also is required to provide scheduling, network connectivity, and other operational services necessary to support DMO training events.



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# DMO Operations & Integration

## Acquisition Strategy

Services IDIQ

Full and open

Single award

## Program Office POC

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U.S. AIR FORCE

# DMO Operations & Integration

## Funding

Estimate \$ Budget submitted

3400 Operations & Maintenance Appropriation

## Procurement Authority POC

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# DMO Operations & Integration

## Summary of Program Requirements

Services required for the development of CAF DMO Standards

Services required for the interoperability of DMO Federations

Services required to support DMO training

Services required to support training between federates of differing security domains



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# DMO Operations & Integration

## Milestones

Industry Day	Jan 12
Draft RFP Release	Apr 12
Industry Day	May 12
Release RFP	Jun 12
Contract Award	Jun 13

## Current Contract (if recompetete)

Northrop Grumman Information Systems  
Contract Number: F33657-98-D-2061  
Period of Performance: through Dec 2014



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# DMO Operations & Integration

**End User POC**

Air Combat Command

**Original Developer/OEM (if recompetete)**

Northrop Grumman Information Systems



U.S. AIR FORCE

# F-15 ATD/MTD



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Date: 25 May 2010



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# F-15 ATD/MTD

## Description

- Provides on-site/on-call Contractor Logistics Support (CLS) CAF wide for F-15E aircrew training devices (ATDs), F-15A-E maintenance training devices (MTD) and sustainment of the Training System Support Center (TSSC) capabilities.
- The TSSC also sustains F-15E ATDs/MTDs with aircraft driven (currency) and trainer unique (obsolescence) changes, engineering and technical support of the software/hardware baseline, problem report clean-up, engineering studies for systems improvements, configuration management, and technical data and spare parts management.



# F-15 ATD/MTD

## Acquisition Strategy

- Current contract ends Dec 12
- Full and open competition
  - One year basic with 4 option years

## Program Office POC

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U.S. AIR FORCE

# F-15 ATD/MTD

## Funding

POE is TBD

## Procurement Authority POC

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U.S. AIR FORCE

# F-15 ATD/MTD

## Summary of Program Requirements

- Provide Contract Logistic Support (CLS), training system modification and Training System Support Center operation
- Six F-15 E, Integrated Avionics Trainers (IATs), mostly simulated aircraft components that emulate a working aircraft avionics system
- Six categories of Maintenance Training Devices including flight controls, avionics, armament, engine, landing gear and seat and canopy
- 39 various devices at 10 locations CONUS/OCONUS



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# F-15 ATD/MTD

## Milestones

Pre-solicitation Stage: Market Research; issue first RFI Synopsis Mar 2011

## Current Contract (if recompetete)

Company:	The Boeing Company
Contract Number:	F33657-01-D-2074 QP01, TSA II
Period of Performance:	1 Jan 2003 – 31 Dec 2012



U.S. AIR FORCE

# F-15 ATD/MTD

## End User POC

Name: Arnold Lorea  
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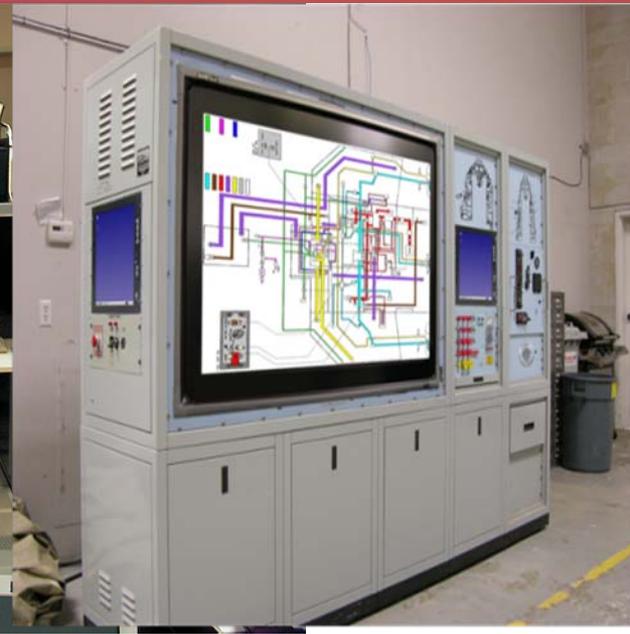
## Original Developer/OEM (if recompetete)

Company: McDonnell Douglas Corp  
Date Delivered: July 1972



U.S. AIR FORCE

# F-16 Training System Re-Compete



Mr Ricky Fennell

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Date: 25 May 10

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# F-16 Training System Re-Compete

## Description

- Provides off-aircraft simulator training capability (all block for aircrew and maintenance personnel for the F-16 Falcon)
- Flight simulators include both Unit Training Devices (UTD), and enhanced visual, 360 Deg. Simusphere, Weapon System Training (WST) devices with visual database generation capability
  - ✓ 84 WST/UTDs, 100 MTDs, at 36 USAF and FMS locations
  - ✓ FMS support (CLS) to Greece, Jordan, Bahrain, et, al.





# F-16 Training System Re-Compete

## Acquisition Strategy

Competitive Procurement

Full and Open

Single Award ID/IQ

(Competitive Procurement vs. SB Set-Aside – TBD)

## Program Office POC

Name: Mr Ricky L Fennell

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# F-16 Training System Re-Compete

## Funding

Program in sustainment with 10 year total funding projected at \$350M+ (all types of funds primarily Production, O&M/CAM, NGB funding)

Level of effort and funding highly dependant on future force structure changes

## Procurement Authority POC

Name: Mr Ryan Evans

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# F-16 Training System Re-Compete

## Summary of Program Requirements

- Services Contract
- Contractor Logistics Support (CLS)
  - ✓ On-Call support driven by repair time requirement
  - ✓ On-Site support driven by availability rate
- Change Management
  - ✓ Concurrency and trainer-unique changes
  - ✓ Training Systems Support Center (TSSC) for all devices
- Aircrew instruction acquired separately
- Does not procure new training devices



# F-16 Training System Re-Compete

## Milestones

Initial Sources Sought Synopsis	7Dec09 / 12Mar10
Industry Day	27-28 Apr10
Acquisition Strategy Panel (ASP)	Jun10
RFP Release	Aug10
Proposals Received	Oct10
Planned Contract Award	Mar11

## Current Contract (if recompetete)

Company: : L3 Communications

Contract Number: F33657-01-D-2077 (QP01)

Period of Performance: 31 Jul 01 – 30 Sep 11



# F-16 Training System Re-Compete

## End User POC

Name: Dick Wade and Jeff Brown (ACC/TRSS)

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Jeffrey.brown@langley.af.mil

## Incumbent

Company: L3 Communications

Sustainment contract expires in Sep 11

# B-1 Training System



Lindsay Liming

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25 May 10

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# B-1 Training System

## 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.
- The major modification for this contract will be the B-1 Integrated Battle Space (IBS) upgrade, Training System (TS) modification.



U.S. AIR FORCE

# B-1 Training System

## Acquisition Strategy

- Anticipate 90-day transition and 12-month base with 6 one-year option periods
- Service contract
- Firm Fixed Price, IBS and Sustainment Blocks (SB) CLINs are FPIF
- Contract Award Date NLT 1 Oct 2011
  - Allows for a 90-day transition with the incumbent

## Program Office POC

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U.S. AIR FORCE

# B-1 Training System

## Funding

- 3600, 3010, and 3400 funding available for both ATS and MTS.

## Procurement Authority POC

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# B-1 Training System

## Summary of Program Requirements

- Modifications to bring Training Systems into configuration concurrency with the B-1 aircraft.
  - Major modification will be the IBS upgrade to the TS
- Full time on-site CLS for the ATS and on-call CLS for the MTS
- Training Software Support Center: 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



# B-1 Training System

## Milestones

- Draft RFP Release 8 Jun 10
- 677 AESG ASP 18 Jun 10
- RFP Release 30 Aug 10
- Proposals Received 1 Oct 10
- Contract Award 1 Oct 11

## Current Contract

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



U.S. AIR FORCE

# B-1 Training System

## End User POC

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## Original Developer/OEM

Boeing - 1988