AWACS Mission Training Center (MTC)

Kelly Morris
677 AESG/SYCB
(937) 255-8655
Kelly.Morris@wpafb.af.mil
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.
**Report Documentation Page**

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*Standard Form 298 (Rev. 8-98)*

Prescribed by ANSI Std Z39-18
<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>The MTC shall be a high fidelity simulation of E-3 mission system hardware, performance, and capability that represents Block 30/35 AWACS</td>
</tr>
</tbody>
</table>

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
AWACS MTC

Acquisition Strategy

Current contract ends Feb 14
Seeking Sole Source (SecDef Waiver)
No Break in Training

Program Office POC

Name: Kelly Morris
Organization: 677 AESG/SYBC
Phone: (937) 255-8655
Email: Kelly.Morris@wpafb.af.mil
Funding

Current Program: $51.2M

Procurement Authority POC

Name: Steve Godby
Organization: 677 AESG/SYK
Phone: (937) 255-3748
Email: Steve.Godby@wpafb.af.mil
AWACS MTC

<table>
<thead>
<tr>
<th>Summary of Program Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>99% Availability with any deficiencies causing trainer down-time to be corrected within 8 hours</td>
</tr>
<tr>
<td>Must be available for Surge Operations</td>
</tr>
<tr>
<td>Concurrency- Must be concurrent with home station aircraft</td>
</tr>
<tr>
<td>Support all modes of training</td>
</tr>
<tr>
<td>DMO Interoperability</td>
</tr>
<tr>
<td>Open Architecture to support Technology Insertions</td>
</tr>
</tbody>
</table>
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
AWACS MTC

End User POC

Name: Maj Mary Ellington, 552 OSS/OST
Phone: (405) 734-2435
Email: mary.ellington@tinker.af.mil

Original Developer/OEM

Company: PLEXSYS Interface Products, Inc.
Date Delivered: Feb 99
AWACS Maintenance Trainer System (MTS)

Kelly Morris
677 AESG/SYCB
(937) 255-
Kelly.Morris@wpafb.af.mil
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.
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**

Name: Kelly Morris

Organization: 677 AESG/SYBC

Phone: (937) 255-

Email: Kelly.Morris@wpafb.af.mil
AWACS Maintenance Trainer System (MTS)

Funding

Current Program: $25M

Procurement Authority POC

Name: Steve Godby
Organization: 677 AESG/SYK
Phone: (937) 255-3748
Email: Steve.Godby@wpafb.af.mil
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
### 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 recompete)

<table>
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<tr>
<th>Company:</th>
<th>ProActive Technologies, LLC</th>
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<td>Contract Number:</td>
<td>F42630-01-C-0247</td>
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<tr>
<td>Period of Performance:</td>
<td>Aug 01 – 30 Sep 11</td>
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</tbody>
</table>
End User POC

Name: SMSgt Nick Grba,
Phone: DSN 884-3901
Email: Nick.Grba@tinker.af.mil

Original Developer/OEM (if recompete)

Company: ProActive Technologies, LLC
Date Delivered: Dec 01
AWACS
Flight Crew Trainer (FCT)

Kelly Morris
677 AESG/SYCB
(937) 255-8655
Kelly.Morris@wpafb.af.mil
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.
### 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.
Acquisition Strategy

Current contract ends Sep 14
SECDEF Waiver (Seeking Sole Source)
No Break in Training

Program Office POC

Name: Kelly Morris
Organization: 677 AESG/SYBC
Phone: (937) 255-8655
Email: Kelly.Morris@wpafb.af.mil
AWACS
Flight Crew Trainer (FCT)

**Funding**
Current Contract $158M

**Procurement Authority POC**
Name: Steve Godby
Organization: 677 AESG/SYK
Phone: (937) 255-3748
Email: Steve.Godby@wpafbase.af.mil
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)

<table>
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<th>Milestones</th>
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<td>Contract Award     Aug 14</td>
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<table>
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<td>Company: L-3 Communications</td>
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<tr>
<td>Contract Number: F42630-00-C-0024</td>
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<tr>
<td>Period of Performance: Jan 00 – Sep 14</td>
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</table>
End User POC

Name: Lt Col William Rogan, 552 ACW/XPR
Phone: 405-739-2755
Email: William.Rogan@tinker.af.mil

Original Developer/OEM

Company: L-3 Communications
Date Delivered: Jan 00
F-15C Mission Training Center

Kristi Forino
Organization: 677 AESG/SYCB
Phone: (937) 904-4102
Email: kristi.forino@wpafb.af.mil
Date: 25 May 10

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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.

**User:** ACC, PACAF, USAFE
# Acquisition Strategy

- Single award
- Acquisition Strategy In Work

## Program Office POC

<table>
<thead>
<tr>
<th>Name:</th>
<th>Kristi Forino</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization:</td>
<td>677 AESG/SYCB</td>
</tr>
<tr>
<td>Phone:</td>
<td>(937) 904-4102</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:Kristi.forino@wpafb.af.mil">Kristi.forino@wpafb.af.mil</a></td>
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</table>
# F-15C Mission Training Center

## Funding

Current contract value: $230M  
Operations and Maintenance

## Procurement Authority POC

<table>
<thead>
<tr>
<th>Name:</th>
<th>Ryan Evans</th>
</tr>
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<tbody>
<tr>
<td>Organization:</td>
<td>677 AESG/SYK</td>
</tr>
<tr>
<td>Phone:</td>
<td>(937) 255-3801</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:ryan.evans@wpafb.af.mil">ryan.evans@wpafb.af.mil</a></td>
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</table>
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, atmospherics
   DMO Network capability
### 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)
# 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
F-15C Mission Training Center

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<tr>
<td><strong>Name:</strong></td>
<td>Rich Grohs</td>
</tr>
<tr>
<td><strong>Phone:</strong></td>
<td>(757) 764-8164</td>
</tr>
<tr>
<td><strong>Email:</strong></td>
<td><a href="mailto:grohsrf@langley.af.mil">grohsrf@langley.af.mil</a></td>
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<td>May 00 – Start of Service</td>
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</table>
Mr. Andrew Hostetter
677 AESG/SYCB
656-6808
Andrew.hostetter@wpafb.af.mil
25 May 2010

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.
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.
DMO Operations & Integration

**Acquisition Strategy**
- Services IDIQ
- Full and open
- Single award

**Program Office POC**
- Name: Andrew Hostetter
- Organization: 677 AESG/SYCB
- Phone: (937) 656-6808
- Email: andrew.hostetter@wpafb.af.mil
DMO Operations & Integration

**Funding**

- Estimate $ Budget submitted
- 3400 Operations & Maintenance Appropriation

**Procurement Authority POC**

- Name: Steve Godby
- Organization: 677 AESG/SYK
- Phone: (937) 255-3748
- Email: Steve.godby@wpafb.af.mil
<table>
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## DMO Operations & Integration

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## Current Contract (if recompete)

- **Northrop Grumman Information Systems**
- **Contract Number:** F33657-98-D-2061
- **Period of Performance:** through Dec 2014
DMO Operations & Integration

End User POC
Air Combat Command

Original Developer/OEM (if recompete)
Northrop Grumman Information Systems
F-15 ATD/MTD

John Skalski
Organization: 677AESG/SYCB
Phone: DSN 986-6911, 937-656-6911
Email: john.skalski@wpafb.af.mil
Date: 25 May 2010

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.
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

<table>
<thead>
<tr>
<th>Name:</th>
<th>John Skalski</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization:</td>
<td>677AESG/SYCB</td>
</tr>
<tr>
<td>Phone:</td>
<td>DSN 986-6911, 937-656-6911</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:john.skalski@wpafb.af.mil">john.skalski@wpafb.af.mil</a></td>
</tr>
</tbody>
</table>
F-15 ATD/MTD

Funding

POE is TBD

Procurement Authority POC

Name: Ryan Evans
Organization: 677AESG/SYK
Phone: DSN 785-3801, 937-255-3801
Email: Ryan.Evans@wpafb.af.mil
## 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.
## Milestones

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

## Current Contract (if recompete)

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<th>The Boeing Company</th>
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## End User POC

<table>
<thead>
<tr>
<th>Name</th>
<th>Arnold Lorea</th>
</tr>
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<tbody>
<tr>
<td>Phone</td>
<td>757-764-3658</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:arnold.lorea@langley.af.mil">arnold.lorea@langley.af.mil</a></td>
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## Original Developer/OEM (if recompete)

<table>
<thead>
<tr>
<th>Company</th>
<th>McDonnell Douglas Corp</th>
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<tbody>
<tr>
<td>Date Delivered</td>
<td>July 1972</td>
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</table>
F-16 Training System Re-Compete

Mr Ricky Fennell
Organization: 677 AESG/SYCB
Phone: 937-656-5620
Email: ricky.fennell@wpafb.af.mil
Date: 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.
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.
# 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
- Organization: 677 AESG
- Phone: 937-656-5620
- Email: ricky.fennell@wpafb.af.mil
### 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  
**Organization:** 677 AESG/PK  
**Phone:** 937-255-3801  
**Email:** ryan.evans@wpafb.af.mil
**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

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Initial Sources Sought Synopsis</td>
<td>7Dec09 / 12Mar10</td>
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<td>Industry Day</td>
<td>27-28 Apr10</td>
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<td>Acquisition Strategy Panel (ASP)</td>
<td>Jun10</td>
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<td>RFP Release</td>
<td>Aug10</td>
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<td>Proposals Received</td>
<td>Oct10</td>
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<tr>
<td>Planned Contract Award</td>
<td>Mar11</td>
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## Current Contract (if recompete)

- **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

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
</table>
| Dick Wade and Jeff Brown (ACC/TRSS) | 573-764-3642 | [richard.wade@langley.af.mil](mailto:richard.wade@langley.af.mil)  
|                        |                  | [Jeffrey.brown@langley.af.mil](mailto:jeffrey.brown@langley.af.mil) |

## Incumbent

- **Company:** L3 Communications
- **Sustainment contract expires in Sep 11**
B-1 Training System

Lindsay Liming
677th AESG/SYCB
(937) 255-2685
Lindsay.liming.1@wpafb.af.mil
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.
# 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

<table>
<thead>
<tr>
<th>Name:</th>
<th>Lindsay Liming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization:</td>
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</tr>
</tbody>
</table>
# B-1 Training System

## Funding

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

## Procurement Authority POC

<table>
<thead>
<tr>
<th>Name:</th>
<th>Steve Godby</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization:</td>
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</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Date</th>
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<tbody>
<tr>
<td>Draft RFP Release</td>
<td>8 Jun 10</td>
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<tr>
<td>677 AESG ASP</td>
<td>18 Jun 10</td>
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<tr>
<td>RFP Release</td>
<td>30 Aug 10</td>
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<tr>
<td>Proposals Received</td>
<td>1 Oct 10</td>
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<td>Contract Award</td>
<td>1 Oct 11</td>
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## Current Contract

<table>
<thead>
<tr>
<th>Company:</th>
<th>Rockwell Collins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Number:</td>
<td>F33657-01-D-0012</td>
</tr>
</tbody>
</table>
B-1 Training System

End User POC
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Original Developer/OEM
Boeing - 1988