

**TRAINING SYSTEMS
MANAGEMENT DIRECTORATE
OO-ALC/YW**

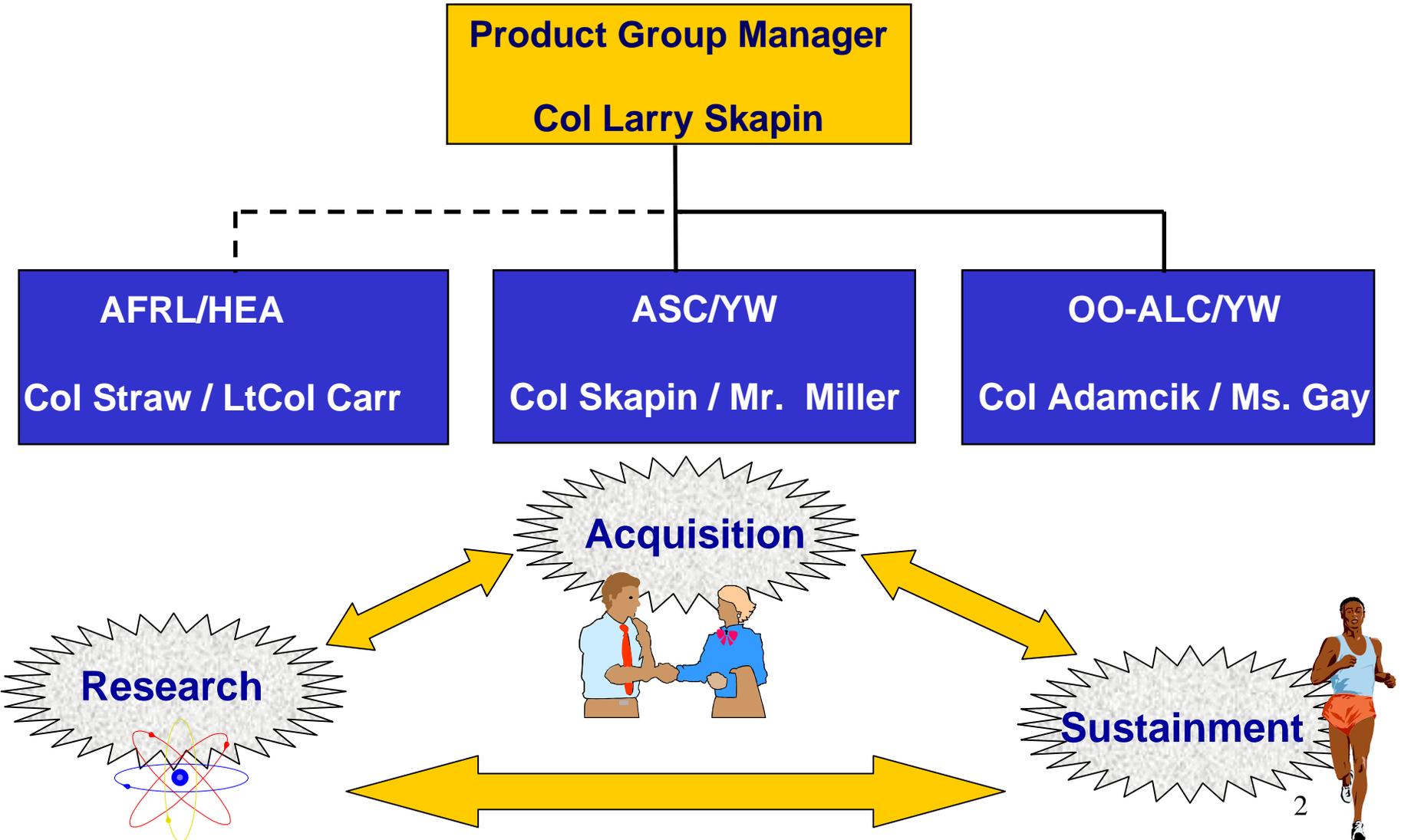
**10 APR 01
APBI**



**Ms. Linda Y. Gay, Deputy Director
OO-ALC/YW (Hill AFB UT)
DSN 777-7823
Linda.Gay@hill.af.mil**



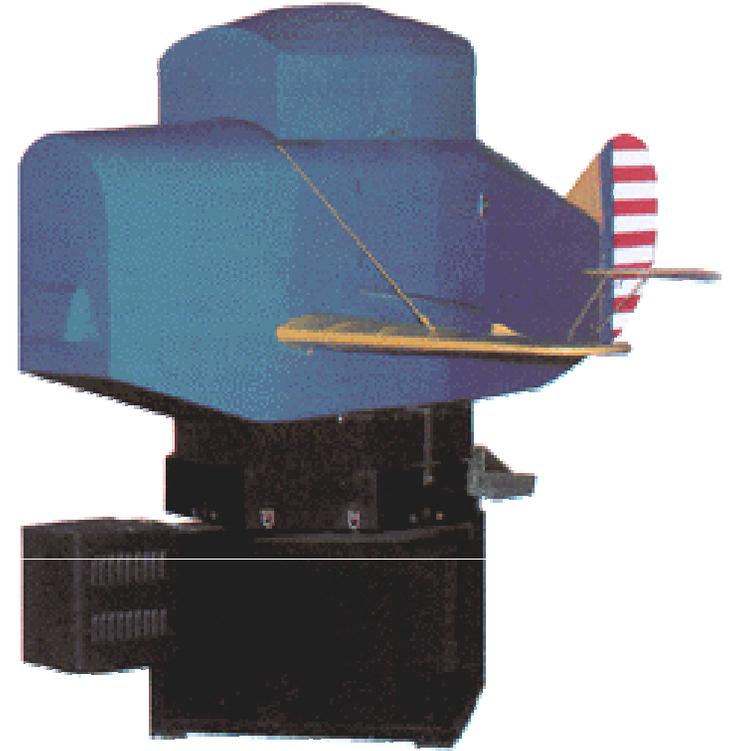
TSPG Organization





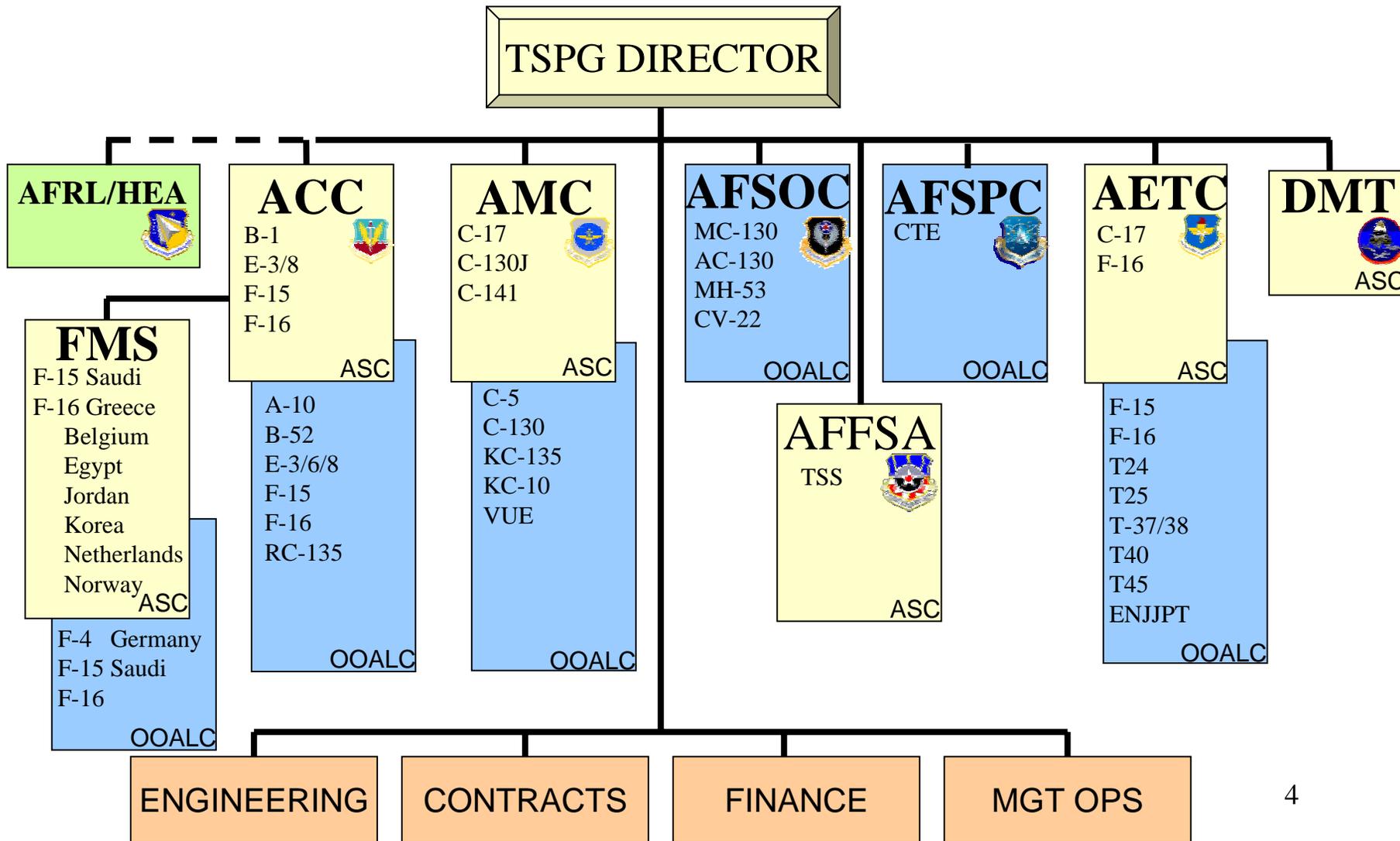
OO-ALC/YW Mission

- Serves as System Support Manager to the TSPG Manager for all assigned training devices' subsystems/programs/projects/services, and associated items.
- Provides users outstanding management expertise on sustainment, modification, follow-on procurements, and disposition of training systems.





TSPG Organization





Business Opportunities

- Next 1-3 years
 - F-15 Aircrew/Maintenance Systems
 - F-16 Aircrew/Maintenance Systems
 - A-10 Full Mission Trainer
 - RC-135 Aircrew Systems
 - Air Refueling Part Task Trainer
 - E-3 Maintenance Training System
 - C-5 Maintenance Systems
 - Space Training





F-15E

Weapon System Trainers (WST)



Description: The WST consists of a high fidelity replica of an F-15E cockpit, an Instructor Operator Station (IOS), computational equipment, and other equipment needed to provide aircrew training and development of proper aircrew coordination in a comprehensive flight, mission, and tactics environment. Computational system recently modified to an open architecture requiring less footprint, power, and air-conditioning.

Simulators: One device and Training System Support Center (TSSC) at Luke AFB and four trainers located at Seymour Johnson (2), Lakenheath (1), and Elmendorf AFBs (1).

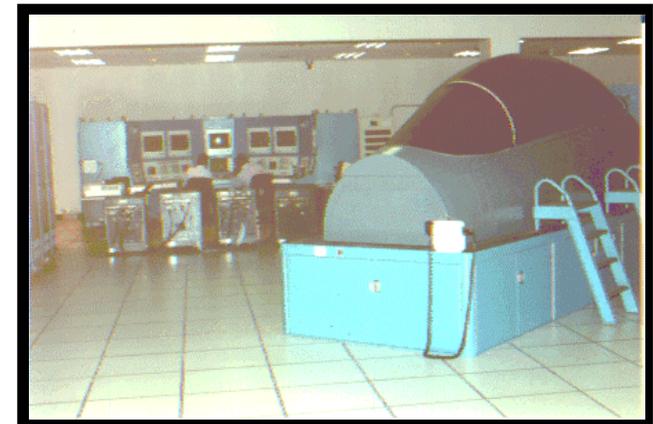
Contract No: F42630-97-D-0214

Contractor: L-3 Com

Period of Performance: 1 Oct 97 - 30 Sep 02

Service: On-site maintenance, engineering laboratory (TSSC), and parts depot.

Current Contract Value: \$36M





F-15E Avionics Maintenance Trainers (AMT)



Contract No: F42630-97-D-0214

Contractor: L-3 Com

Period of Performance: 1 Oct 97 - 30 Sep 02

Service: On-call maintenance, engineering laboratory (TSSC), and parts depot

Current Contact Value: \$36M

Description: The AMT is comprised of approximately 90% simulated aircraft components that are controlled by a computer to simulate a working aircraft system.

Maintenance Trainers: Training System Support Center(TSSC) at Luke AFB and 7 devices: Luke (1), Seymour Johnson (1), Sheppard(2), Lakenheath(1), Elmendorf (1) and Mountain Home AFBs (1) .





F-15C MSIP Maintenance Training Devices (MTD)



Customer: SPD, AETC

Contract No: F42630-97-D-0214

Contractor: L-3 Com

Contract Type: FFP/Award Fee

Current Contract Value: \$36M

Period of Performance: 1 Oct 97 - 30 Sep 02

Services: On call support with engineering services and a parts depot

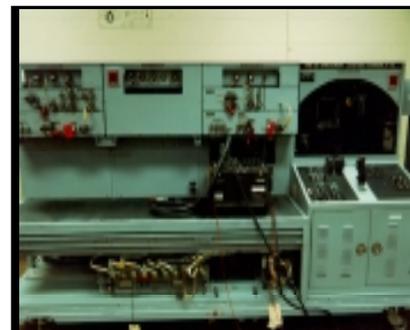
Description: The principal function of F-15 MTD is to provide students with the ability to become proficient in the maintenance of the aircraft. This knowledge can be obtained in a classroom environment and hands on training using hardware and avionics devices which replicate actual aircraft equipment and functions.



Auto Flt System



MLG/Arresting Hook



Armament System



Elect PWR & light



F-15 CLS Re-competition



Contract Award Date: 1 Mar 02

Contract Start Date: 1 Oct 02

Scope:

- One basic year with up to nine one-year options
- CLS and TSSC sustainment for MTD, WST and OFT systems including possible acquisition of new systems
- Note: User requirements are not fully defined

Competition Type: Full & Open Competition, FFP

Locations: Luke AFB AZ, Seymour Johnson AFB NC, Lakenheath AB UK, Elmendorf AFB AK, Kingsley AFB OR

Projected RFP Release: 1 Nov 01

Program Managers:

Margaret Hess, OO-ALC/YWB/DSN 777-5883; Margaret.Hess@hill.af.mil

John Hadley, OO-ALC/YWB/DSN 777-5882; John.Hadley@hill.af.mil,



F-16 Weapon System Trainers (WST) Support Program



Contract No: F42630-95-C-0552,
F42630-94-C-0479

Contractor: L-3 Com

Customers: AETC, ANG

Total Contracts: \$33.3M

Contract Type: Firm-Fixed Price (FFP) **Period of Performance:** Oct 94-Sep 01



The WST consists of the aircraft cockpit, Instructor Operators Station (IOS), aircraft hardware, and the computers, software, and peripheral equipment to provide training that is directly transferable to the aircraft in areas of Instrument Flight Rules (IFR), navigation missions, air-to-air intercept, systems operation, and dynamic integration of aircraft emergency procedures into flight simulations. The WST also provides training in radar operations, electronic combat, weapons delivery, low level penetration, aerial refueling, and instrument procedures.



F-16 Maintenance Trainers Support Program



Contract No: F42630-96-C-0413,
F42620-97-D-0010, F42630-98-C-0291

Total Contract Value: \$6.3M

Contractors: L-3 Com,
Lockheed Martin Tactical Aircraft Systems,
SymSystems

Period of Performance:
Oct 93 - Sep 01

Contract Type: Firm-Fixed Price (FFP),
Time and Material (T&M)

Customers: F-16 SPO,
AETC, Korea, Taiwan, Jordan



FUEL SYSTEM TRAINER

Designed to instruct maintenance personnel on procedures for maintaining, trouble-shooting, and repairing the F-16 fuel system.



EJECTION SYSTEM TRAINER

Designed to familiarize maintenance personnel with procedures for removal of the canopy, and disarming and removal of the ejection seat.



AVIONICS/ARMAMENT TRAINERS

Familiarize maintenance personnel with the functions of the F-6C/ Block 52 fire control, armament, flight control/ instruments, and avionics systems.



F-16 Unit Training Device (UTD)



Contract No:
F42630-98-C-0121

Contractor: L-3 Com

Contract Type: FFP

Total Contract Value: \$13M

Period of Performance:
Apr 98 - Sep 01



The F-16 UTD is a squadron-level trainer designed for pilot refresher and continuation training in the following task areas: selected emergency procedures, flight instrument approaches, air-to-air weapon system employment, and air-to-ground weapon system delivery. The UTD consists of a Pilot Station (including an out-the-window forward-looking color display), an Instructor Operator Station (IOS) that is accessible from the Pilot Station, and computer/processor equipment and interfaces, to operate the trainer and generate the displays.



F-16 Trainers New CLS Contract



Draft RFP Released: Jan 01

Projected Award Date: Jul 01

Projected Start Date: 1 Oct 01

Scope: 10 years (basic + 9 one-year options)

- Merge all existing support contracts for all F-16 training devices

Magnitude: \$7-10M per year

- TSA II task order
- Full and open competition, single contractor (or team)

Services: Telephone technical assistance, on-call maintenance, parts depot on-site maintenance, TSSC engineering support, concurrency mods, software enhancements, stock/store/issue center

Locations: 50+ sites world wide: USAF, USAF Reserves, ANG, EPAF, FMS

Program Manager: Allean Voigt/OO-ALC/YWB/DSN 777-8682

Allean.Voigt@hill.af.mil



A-10 Full Mission Trainer



Description: The A-10 Full Mission Trainer (FMT) consists of a high fidelity replica of an A-10 aircraft cockpit, an Instructor Operator Station (IOS), a visual system and other equipment to provide A-10 pilot initial and continuation training for flight, mission, and tactics. FMTs are used by ACC, ANG, and AFRC

FMTs: Currently ACC has 2 FMTs at Davis Monthan AZ, Engineering Test Bed at AFRL + 2 new devices to be fielded at Pope AFB NC and Spangdalem GE in FY01. ANG has 1 FMT at Bradley CT, + 2 new devices to be fielded at Battlecreek MI and Boise ID in FY01. AFRC has 2 FMTs at Barksdale LA, 1 FMT at Whiteman MO and 1 FMT to be fielded at New Orleans LA in FY01. (10 additional devices are projected to be fabricated in FY04)

Contractor: LMTSG

Period of Performance: May 99 - Sep 02

Service: Interim CLS for 12 Devices





A-10 CLS Re-competition



Projected RFP Release: 1 Jan 02

Contract Award Date: 1 Jun 02

Contract Start Date: 1 Oct 02

Scope:

- Basic one-year with up to nine one-year options
- CLS including on-call/on-site maintenance, parts depot, and TSSC for 12 Full Mission Trainers and possible fabrication of 10 FMTs in FY04
- Estimated magnitude of effort: \$1.9M per year

Competition Type: TSA II task order, Full & Open Competition, FFP

Locations: Existing locations plus new locations to be identified by the users

Program Manager: Karen Stephenson, OO-ALC/YWB, DSN 775-2269,
Karen.Stephenson@hill.af.mil



RC-135

Operational Flight Trainer (OFT)



Description:

- Train Pilot & Co-Pilot in normal and emergency procedures
- All variations of the RC-135 aircraft
- Night visual system mounted on a six degree motion base
- Second OFT to be delivered 31 Aug 02
- Re-Engine & GATM (Day-Night Visual)



RC-135



Operational Flight Trainer (OFT)

Current Contract: F42630-95-D-0360 (NLX)

- Ends 30 Sep 01 (anticipate 1 year J&A)

New Contract: Begins 1 Oct 02

- CLS, TSSC and All Modifications
- Offutt AFB NE
- TSA II - small business task order
- Fixed Price Award Fee

Program Manager:

Gerald R. Smith

OO-ALC/YWT

DSN 777-4711

Gerald.R.Smith@hill.af.mil



Air Refueling Part Task Trainer (ARPTT)



Contract No: F42630-96-C-0472

Contractor: L-3 Com

Period of Performance: Oct 96 -
Sep 01

Service: CLS, TSSC, mods

Current Contact Value: \$10M

Locations: Altus, Travis, McGuire,
McCord, and Dover AFBs and
Memphis ANG

Description: Provides C-5/C-141 receiver in-flight refueling training and currency utilizing simulated KC-135/KC-10 tanker operations, pre-contact and contact simulations, initial and continuation training and certified for currency of qualified aircrews





Air Refueling Part Task Trainer (ARPTT)

Current Contract: F42630-96-C-0472

- Ends 30 Sep 01

New Contract: Begins 1 Oct 01

- CLS - 10 years (1 basic + 9 one-year options)

- TSA II - Small business task order

- McCord AFB WA device will move to Wright Patterson AFB OH

Scope: CLS, TSSC, mods

Projected RFP Release: 2 Apr 01

Program Manager:

Kurt Lloyd

OO-ALC/YWS

DSN 777-5973

Kurt.Lloyd@hill.af.mil



E-3 AWACS MX Training System Support Program



Contract No: F42630-96-C-0498,
F33657-97-C-2057

Total Contract Value: 6.9M, .224M
(CLS)

Contractors: NLX, AAI

Period of Performance: Oct 93 - Sep 01,
Oct 99- Sep 01

Contract Type: Firm-Fixed Price

Customers: AWACS SPO, ACC, AETC



SURVEILLANCE RADAR TRAINING SYSTEM
(SRTS)

SRTS provides training for maintenance/operations personnel on procedures for maintaining, trouble-shooting, and repairing the E-3 Surveillance Radar PME



DATA PROCESSOR/DISPLAY MAINTENANCE
TRAINING SET (DP/DMSS)

DP/DMSS provides training for maintenance/operations personnel on procedures for maintaining, troubleshooting and repairing the E-3 DPS and DDG equipment



E-3 Maintenance Trainers New CLS Contract



Projected RFP Release: Mar 01

Projected Award Date: Jul 01

Projected Start Date: 1 Oct 01

Scope: 10 years (basic + 9 one-year options)

- Merge all existing support contracts for all E-3 Maintenance Training Systems

Magnitude: \$950K per year

- **Non-TSA II; Small Business;** Full and Open competition, single contractor (or team)

Services: On-site maintenance, on-call maintenance, TSSC engineering support, concurrency mods, software enhancements, SIMWARE lesson development

Locations: Tinker AFB OK and Keesler AFB MS

Program Manager: Kay Thompson/OO-ALC/YWT/DSN 777-9361

Kay.Thompson@hill.af.mil



C-5



Maintenance Training Devices (MTD)

CONTRACT NO: F410608-98-D-0566

CONTRACTOR: ARINC

PERIOD OF PERFORMANCE:

Aug 98 - Aug 03

SERVICE: Upgrade and repair

NEW CONTRACT: On-call MX service

- TSA II task order
- Begins Oct 01

CURRENT CONTRACT VALUE:

\$6M

DESCRIPTION: MTDs are comprised mainly of aircraft components and simulator unique parts

MAINTENANCE TRAINERS:

Training Detachments located at Dover AFB and Travis AFB support a total of 25 different types of training devices



BRAKE & MAIN LANDING GEAR
TRAINER



FSAS/INS (FIT) TRAINER



FLIGHT CONTROL TRAINER



Space Crew Training Emulator (CTE)

Location: Vandenberg AFB CA, Schriever AFB CO

Description:

- PC-based satellite emulation operation training device
- Not a true simulator, emulates the operators' interface of command and control software
- Training system used to train satellite, ground, and mission systems

Requirements:

- Accomplish computer rehost, improve operation of CTE, expand training, and provide sustainment

Current Contract: DESP contract - May 00 - Sep 05

New Contract: Sustainment - DESP or TSA II logical follow-on task order



Questions?

