



Air Combat Simulators

Mr. Tony Johnson

AFLCMC/WNS

(937) 255-3823

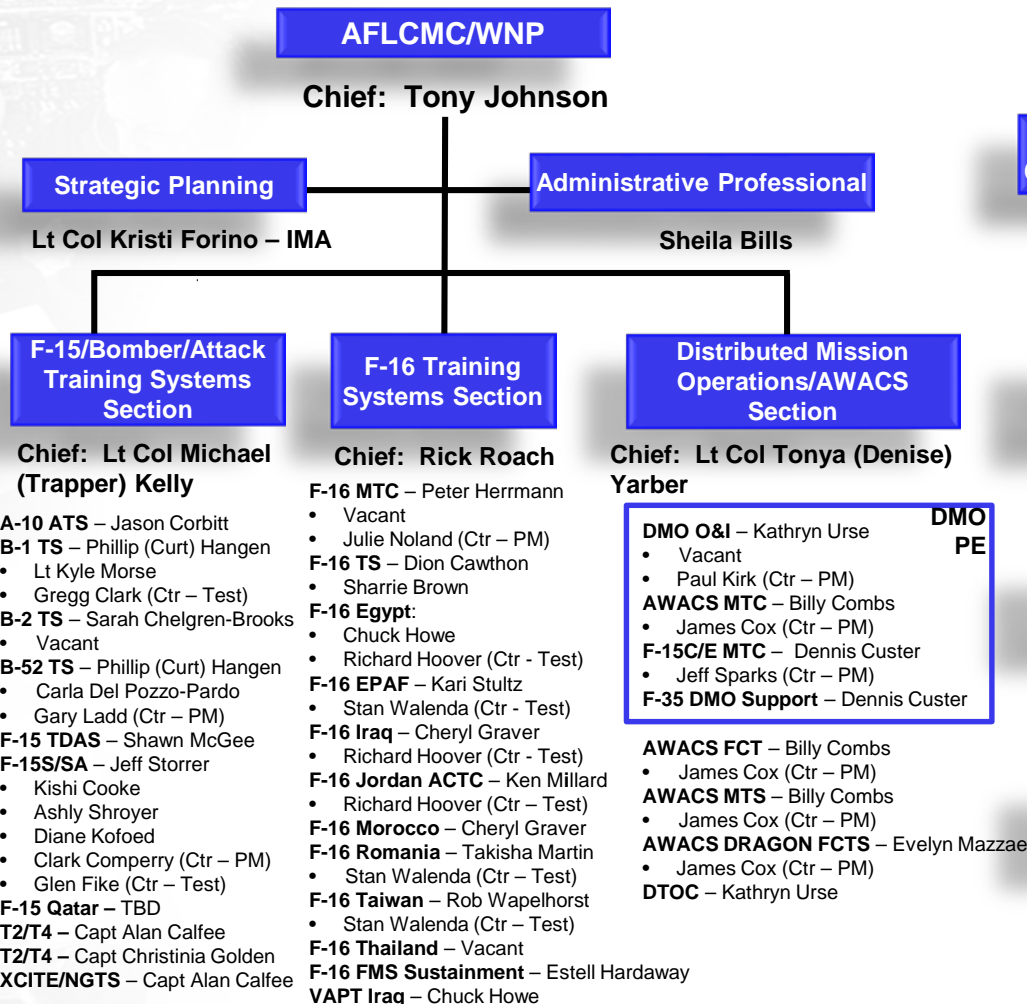
anthony.johnson.58@us.af.mil

9 May 17

Disclaimer: The information provided herein represents the Government's best understanding of the procurement as of the presentation date. This information should be considered preliminary and subject to change.



Air Combat Simulators



Notes:

Sharrie Brown – 1st year PAQ rotating in Apr 17

Diane Kofoed – 1st year PAQ rotating in May 17

Carla Del Pozzo-Pardo – 1st year PAQ rotating in Jun 17

Ryan Mulligan, 2nd year PAQ arrives in May/Jun 17 on F-16 MTC/TS

Capt Amy McKelroy arrives 8 Jun for DMO

Lisa Voskuhl, 3rd year PAQ, arrives 16 Jul on F-15 Qatar

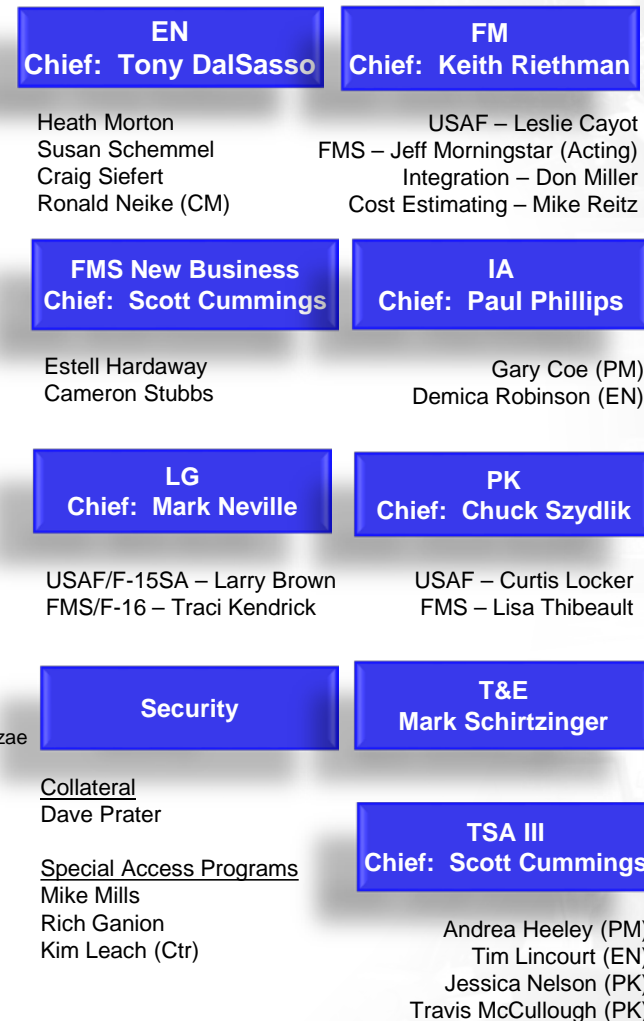
Hill Mil 63A PM (1 Jan 17), Hill Civ 1101 PM (1 Apr 17) convert to LG, and Hill Mil 63A PM (1 Jul 17)

F-16 Thailand – State Department hold has been lifted, funding by Jul 17

F-15 Qatar team stand up in Aug 17

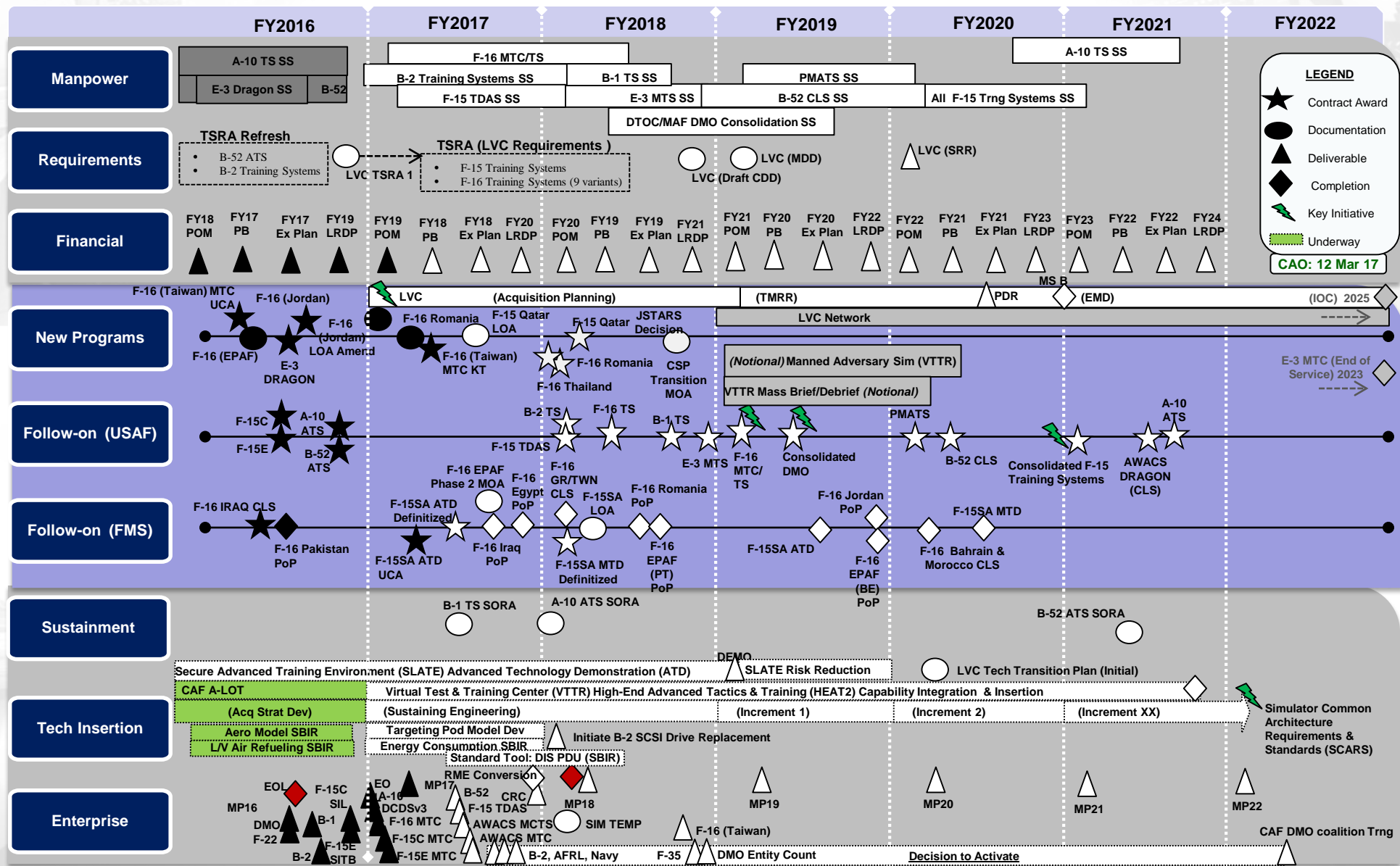
F-16 Sustainment includes F-16 Bahrain, F-16 Greece, F-16 Morocco, and F-16 Taiwan

Functional Support



As of 14 Apr 17

Air Combat Training Systems Roadmap



Air Combat Simulators

Source Selection Overview

Simulators Division Source Selections

		CY 2016				CY 2017				CY 2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
F-16 MTC-TS	Current Contract												
	Source Selection												
	Follow-on Contract												
B-1 TS	Current Contract												
	Source Selection												
	Follow-on Contract												
AWACS MTS	Current Contract												
	Source Selection												
	Follow-on Contract												

•Legend

•Contract PoP

•Contract Extension

•SS Pre-RFP Planning

•RFP to Award



AIR COMBAT TRAINING SYSTEMS OVERALL REQUIREMENTS



Program	Hardware Buy	CLS	TSSC	Modifications	Courseware Development	Instruction
AWACS MTS		X	X	X		
B-1 TS	X	X	X	X		
F-16 MTC-TS		X	X	X		



POINTS OF CONTACT

Program	PM	Contracts	End User
F-16 MTC/TS	Peter Herrmann	Jonathan McGugin	Richard Grohs
Office	AFLCMC/WNS	AFLCMC/WNS	HQ ACC/A5TN
Phone	(937) 904-4171	(937) 255-4908	(757) 764-9020
Email	peter.herrmann.1@us.af.mil	John.mcgugin.1@us.af.mil	richard.grohs@us.af.mil
AWACS MTS	Bill Combs	Capt Titus Butler	Brooke Jensen
Office	AFLCMC/WNS	AFLCMC/WNS	HQ ACC/A5TS
Phone	(937) 255-7177	(937) 255-4908	(757)764-2909
Email	billy.combs@us.af.mil	titus.butler@us.af.mil	brooke.jensen@us.af.mil
B-1 TS	Phillip (Curt) Hangen	Steve Godby	Daniel Willson
Office	AFLCMC/WNS	AFLCMC/WNSK	HQ AFGSC/A5B
Phone	(937) 255-9195	(937) 255-3748	(318) 456-2763
Email	phillip.hangen@us.af.mil	steve.godby@us.af.mil	daniel.willson.5@us.af.mil



AWACS Maintenance Training System

Bill Combs
AFLCMC/WNS
(937) 255-7177
billy.combs@us.af.mil

9 May 17

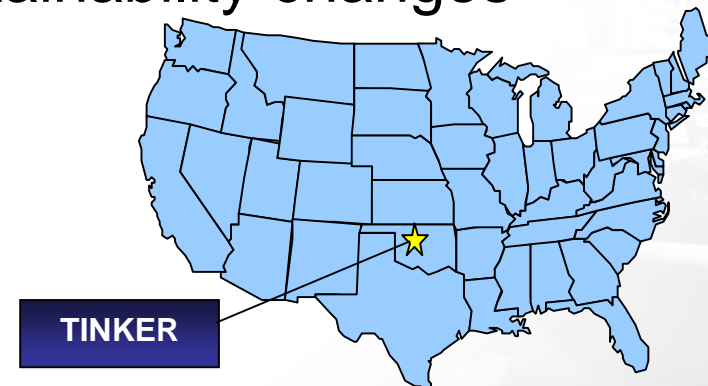
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AWACS Maintenance Training System (MTS)



AWACS Maintenance Training System (MTS)

- The AWACS MTS program consists of 15 Maintenance Training Devices (MTDs), both fixed and mobile
- Support training for AETC and 552nd ACW maintenance personnel; developing hardware & software E3 “Sentry” AWACS aircraft skills
- Using Organization(s): ACC, AETC
- Provide AWACS training systems continuing Contractor Logistics Support (CLS) , change management for concurrency, and trainer-unique Reliability & Maintainability changes
- Requirements
 - System Availability: 95%
 - MTD on-call repair: Tinker AFB





AWACS Maintenance Training System (MTS)



Current Contractor:

Company: Aviation Training Consultants
Contract Number: FA862111-C-6252
Period of Performance: 1 Oct 12 – 30 Sep 18
Contract Value To Date: \$17.3M

Original Developer:

Company: Unknown
Date Delivered: ~1979

Proposed Acquisition Strategy for Follow-On Effort will use TSA III

- Established as a Small Business Set-Aside
- Firm Fixed Price and Cost Reimbursable CLINs
- Single Award

Period of Performance: Eight (8) years/Jul 18 – Jun 26

Jul 18 - Dec 18 - Six - Six (6)-month Base Period including 3 months of “phase in” activities
Jan 19 - Dec 25 - Seven (7) 1-year Options with CY starts
Jan 26 - Jun 26 - Option Period 8 (w/ 6-month option to extend services)

Preliminary Planning Value: ~\$20M

Points of Contact

Program Manager: Mr. Bill Combs, AFLCMC/WNS
Contracting Officer: Captain Titus Butler, AFLCMC/WNS



AWACS Maintenance Training System (MTS)



- Acquisition Planning Start: 31 Oct 16
- TSA III RFI release: 14 Nov 16
 - 9 respondents (all TSA III small businesses)
- First Industry Day: 30 Nov 16 (ICW I/ITSEC)
- Capabilities Assessment release: 27 Dec 16
- Site visit with contractors: 4/5 Apr 17
- DRAFT RFP Release (planned): 13 Jun 17
- Final RFP Release (planned): 21 Aug 17
- Award: Jun/Jul 18 (up to 3-month transition)
- Industry will obtain updates from the program office via TSA III



B-1 Training System

Mr. Curt Hangen

AFLCMC/WNS

(937) 255-7989

Phillip.hangen@us.af.mil

9 May 17

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B-1 TS

The Home of Concurrent, Affordable Training



**5 Weapon System Trainers
(WST) FLT**



**5 Weapon System Trainers
(WST) AFT**



**5 Cockpit Procedure Trainers
(CPT)**



2 Mission Trainers (MT)

Aircrew Trainers Maintenance Trainers



**9 Simulated
Maintenance Training
Systems (SMTS)**



**8 Avionics Armament
Maintenance Training
Systems (A/AMTS)**



**3 Armament System
Trainers (AST)**



**1 Primary/Secondary
Flight Control
Maintenance Trainer
(P/S FCMT)**



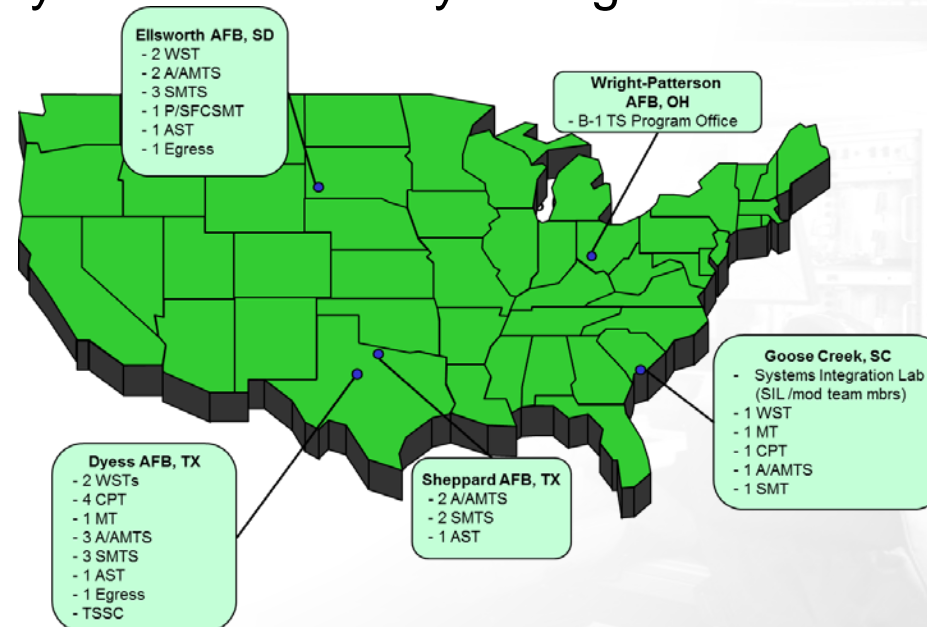
2 EGRESS Trainers

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B-1 TS

The Home of Concurrent, Affordable Training

- The B-1 TS program consists of 23 Maintenance Training Devices (MTDs) and 12 Aircrew Training Devices (ATDs)
 - The B-1 ATDs provide development of proper aircrew coordination in comprehensive flight, mission, and tactics environments and provide initial avionics training
 - The B-1 MTDs are Trainer Field Equipment (TFE) which provide students with the ability to become proficient in the maintenance of the aircraft
- Using Organization(s) AFGSC, AETC
- Provide B-1 Training Systems continuing CLS and change management for concurrency and trainer-unique Reliability & Maintainability changes
- Requirements
 - ATD on-site: 95% availability
 - MTD sustainment





B-1 TS



The Home of Concurrent, Affordable Training

Current Contractor:

Company: TRU Simulation + Training

Contract Number: FA8621-12-C-6266

Period of Performance: 1 Jan 12 – 31 Dec 18

Contract Value To Date: \$89.3M

Proposed Acquisition Strategy for Follow-On Effort

- Small Business Set Aside vs Full and Open, TBD
- Firm Fixed Price, FPIF and Cost Reimbursable CLINs
- Single Award
- Period of Performance: 4-month transition (Sep 18 – Dec 18)
- Base (1 Jan 19 – 31 Dec 19); Seven 1-year options
- Preliminary Planning Value: \$150 - \$250M

Points of Contact

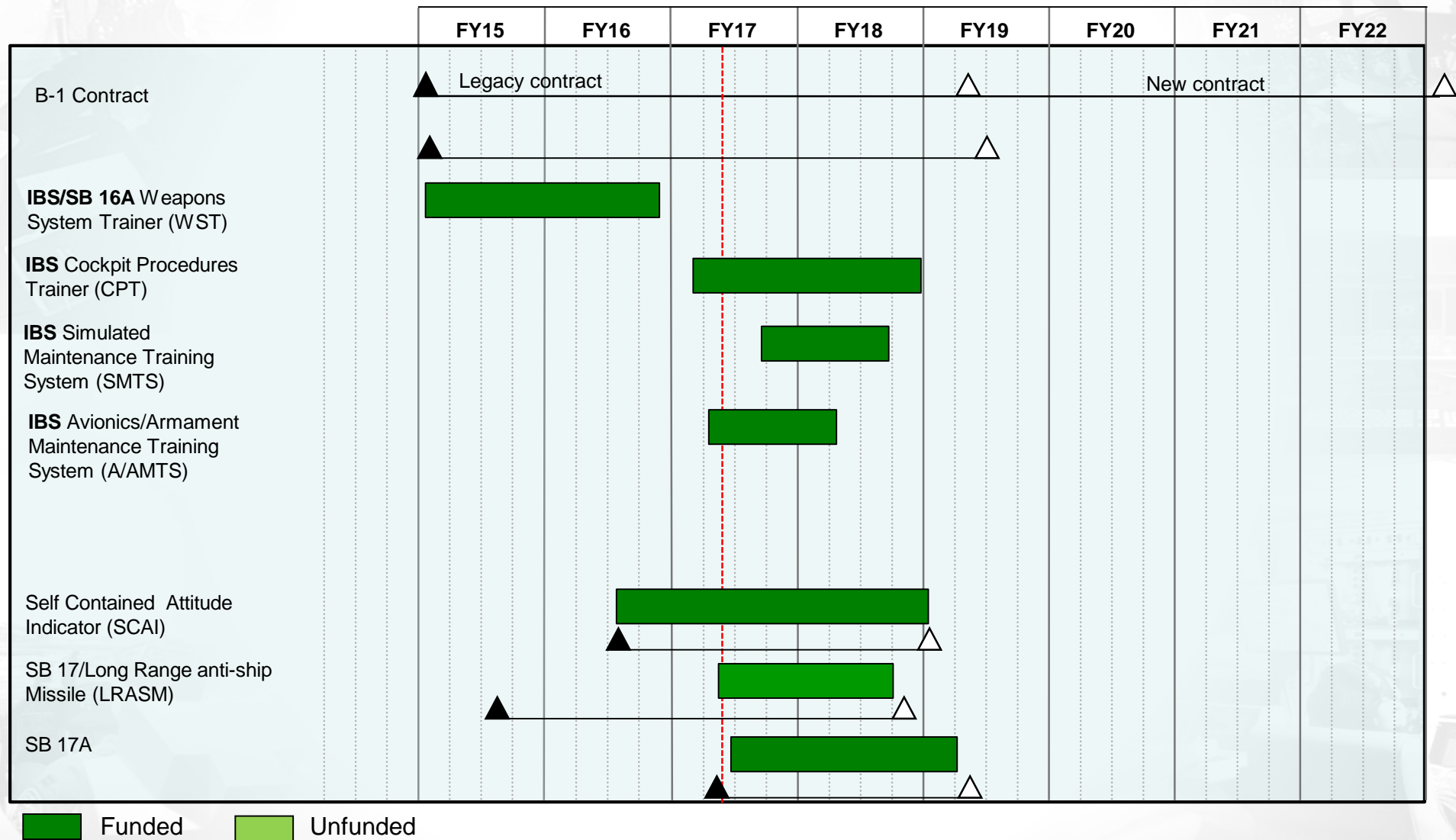
Program Manager : Mr. Curt Hangen, AFLCMC/WNSA

Contracting Officer: Mr. Jarrett Stamper, AFLCMC/WNSK

User: Mr. Dan Willson, HQ AFGSC/A5B

Concurrency Roadmap

The Home of Concurrent, Affordable Training





B-1 TS



Anticipated Schedule for Follow-On Effort

The Home of Concurrent, Affordable Training

- Acquisition Planning Start: 1 Mar 17
 - First Industry Day: Jun 17
 - RFP Release: Sep 17
 - Award: Sep 18
-
- Capability Assessment sent out 12 Apr 17
 - Contract advertised through TSAIII Website



F-16 MTC, F-16 TS, F-16 WASP

Mr. Peter Herrmann,

Mr. Dion Cawthon,

Capt Christinia Golden

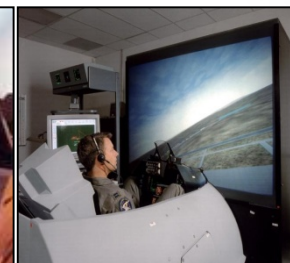
AFLCMC/WNS

9 May 17

F-16 Training Systems



Mission Training Center (MTC)
L-3 Technologies, Link Simulation & Training



Training Systems (WST, UTD, MTD)
L-3 Technologies, Link Simulation & Training

UTD: Unit Training Device
WST: Weapons Systems Trainer
MTD: Maintenance Training Device



Kelly ANG MTCs
Boeing



Weapons & Tactics Trainer (WTT)
Advanced Sustainment Program (WASP)
Boeing



U.S. AIR FORCE

F-16 MTC, F-16 TS, F-16 WASP

The Home of Concurrent, Affordable Training



- F-16 MTC/TS/WASP programs currently consists of 7 4-ship Mission Training Centers (MTCs), 69 TS Aircrew Training Devices (ATDs), 102 Maintenance Training Devices (MTDs), 49 Weapons and Tactics Trainer Advanced Sustainment Program (WASP), and 6 FMS ATDs at 26 CONUS and 9 OCONUS locations
 - F-16 MTCs operate on the Distributed Mission Operations (DMO) network, providing high-fidelity mission training in a single or multiple ship formation
 - F-16 TS are medium-fidelity unit trainers capable of basic/advanced mission training
 - F-16 WASPs are medium-fidelity unit trainers focused on weapons/tactics training
 - MTDs provide students with the ability to become proficient in maintenance of the aircraft
- Using Organization(s): ACC, AETC, USAFE, PACAF, ANG, FMS
- Provide F-16 Training Systems continuing CLS and change management for concurrency and trainer-unique Reliability & Maintainability changes
- Requirements
 - MTC on-site: 95% reliability & availability
 - TS ATD on-site: 95% availability (varies for FMS)
 - TS MTD/ATD on-call repair: 72 hrs (CONUS), 96 hrs (OCONUS)
 - WASP on-site: 95% reliability & availability



F-16 MTC, F-16 TS, F-16 WASP

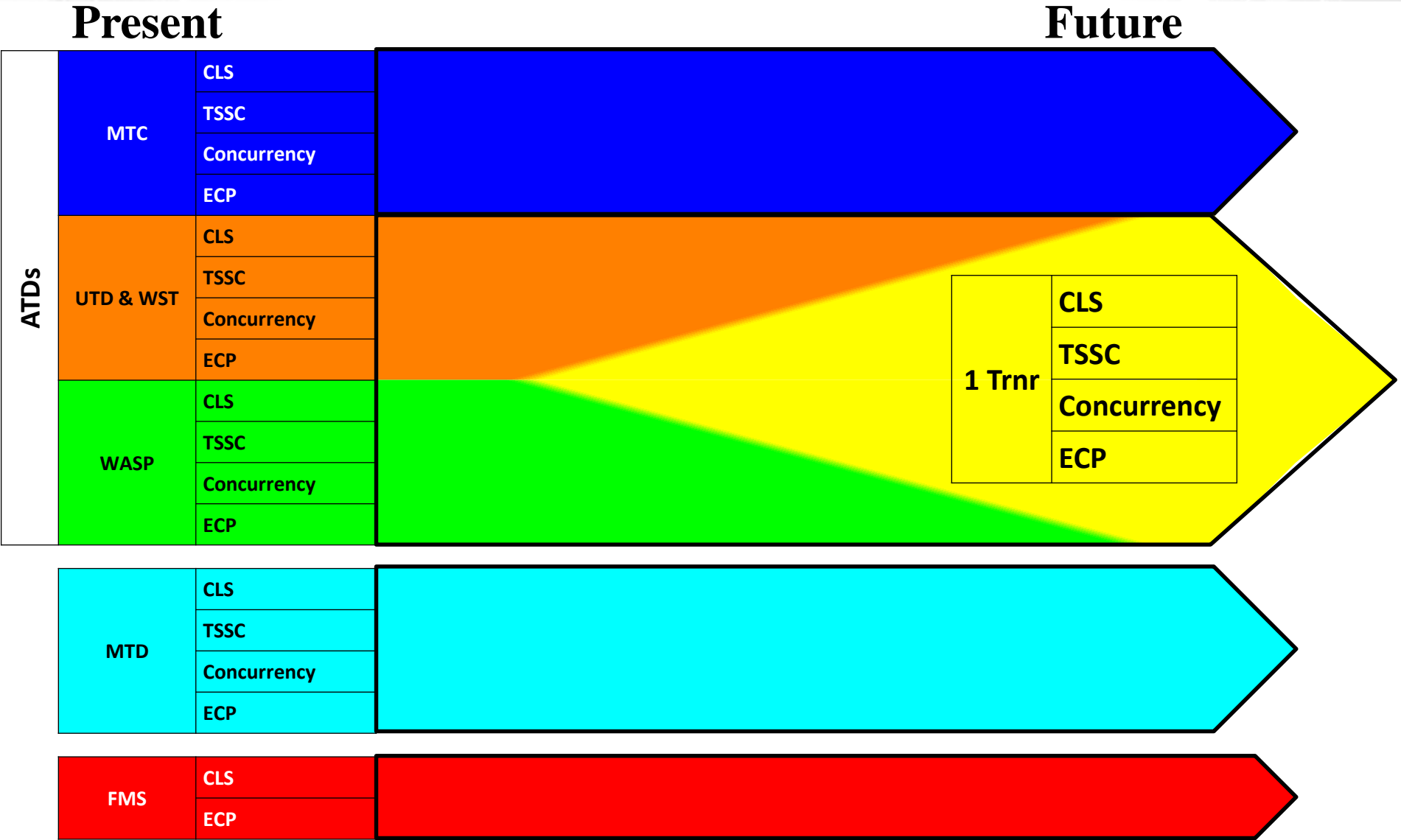
Proposed Schedule for Follow-On Effort



- Preliminary Planning Value: ~\$700M
 - F-16 MTC approved POE: \$442.5M (Life Cycle), \$359.5M (O&S)
 - Consolidation Program Office Estimate in work
- Likely TSA III, planned RFP release July 2017, award TBD
- Market research to date
 - TSA III Forum 7 March 2017
 - Capabilities Assessment (RFI) – Planned April 2017 release
 - Industry Day (Dayton) 11 May 2017
- Anticipated contract length/period of performance: Base plus 8 option years
- Contract type
 - Firm Fixed Price for CLS & TSSC
 - Cost Plus Fixed Fee for OFP efforts
 - TS/WASP simulator configuration upgrades – Fixed Price Option/FPIF
- Evaluation factors: Price/Technical/Specific Past Performance
- Contracting: Mr. Jon McGugin (Jonathon.McGugin.1 @us.af.mil)



Follow-on Strategy





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F-16 MTC/TS	Peter Herrmann	Jonathan McGugin	Richard Grohs
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Questions?