



AFLCMC... Providing the Warfighter's Edge



Simulators Program Office

SML's Perspective

June 2017



Colonel Philip Carpenter
Simulators (AFLCMC/WNS)
Agile Combat Support (AFPEO/ACS)
(937) 255-7408



SPM's Remarks



- Welcome / Reflections / Overview
- Acquisition Challenges
- LVC
- Cyber security
- SCARS
- I/ITSEC
- Source Selection Data Mining



Reflections

You continue to be integral to National Defense

- Training is essential to mission success
- Simulation is essential for bending the cost curve
- *Simulation is the key to high end readiness*
 - WEPTAC '17
 - Nellis AFB VTTC
 - C-17 RFP changes

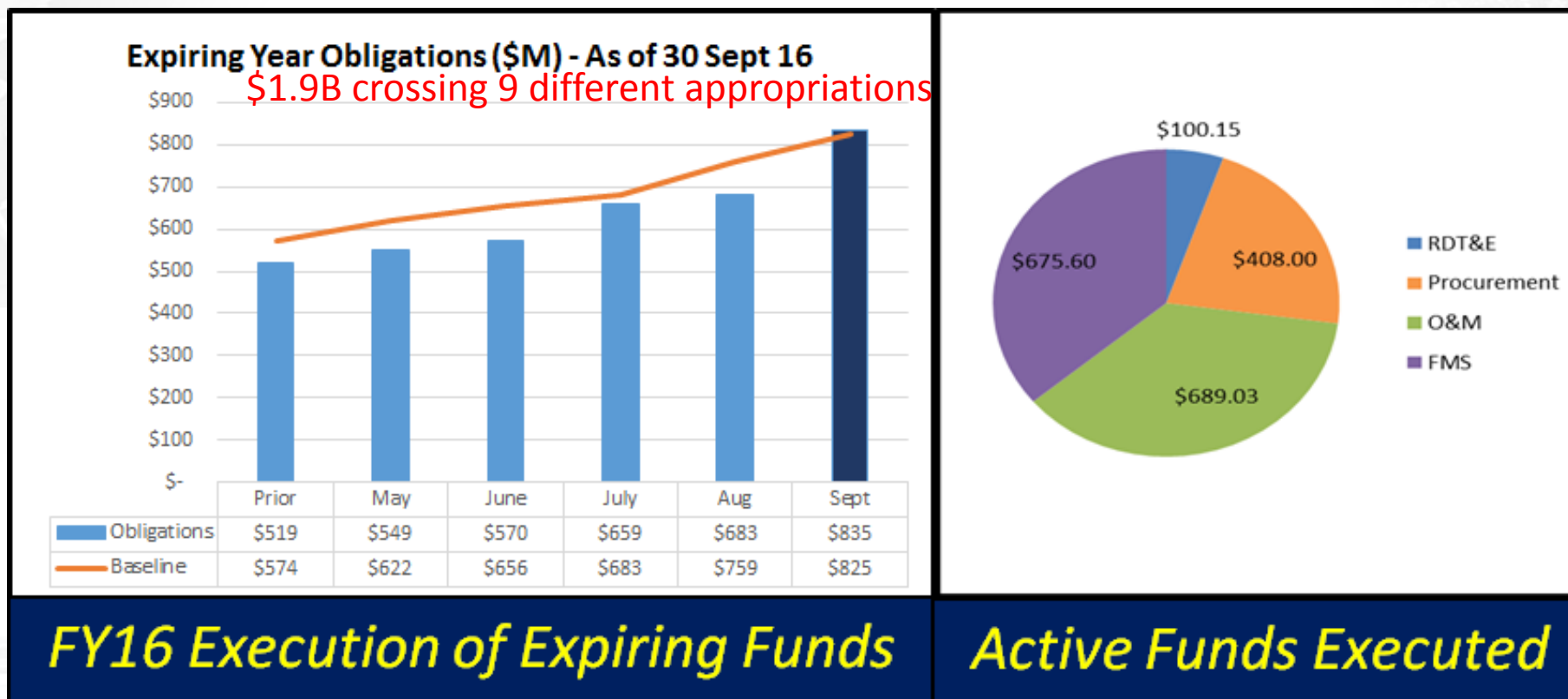
Thank you to Col Marticello and grateful for the opportunity to lead Sims

Virtual Environment is the Training Domain of Choice



Overview

Active Funds Executed (FY16)



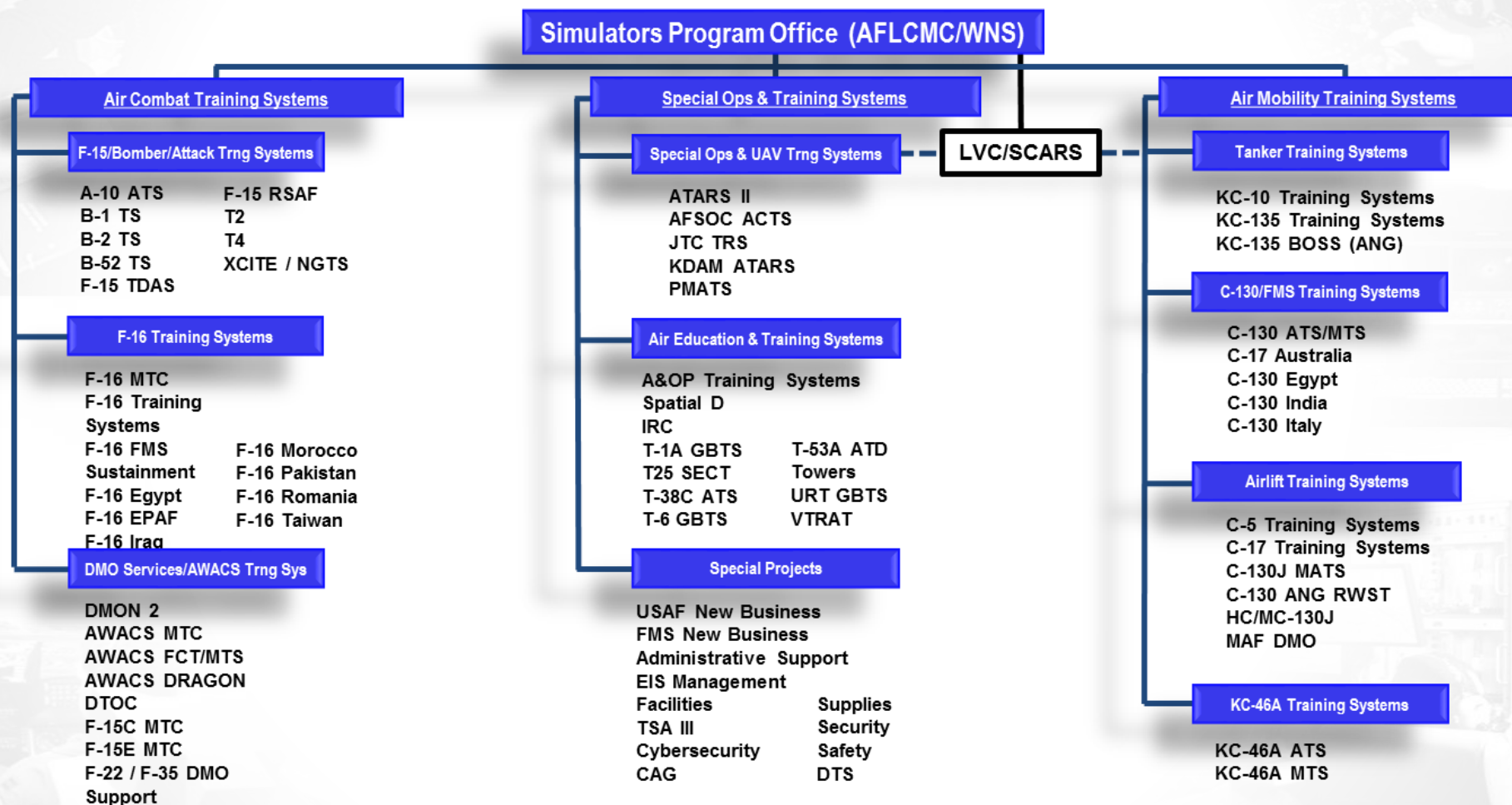
\$1.9B crossing 9 different appropriations

52

48 Programs / Projects supporting 9 MAJCOMs, 21 Program Offices & 14 Countries



Simulator Programs





Acquisition Challenges

- Manpower and resources are limited
 - More programs continue to migrate into Sims
 - Hiring freeze and difficulty finding required talent
- Transitions
 - A recurring issue...
 - Planning ahead is key, esp. concerning the workforce
- Greed vs. Fear
 - Business risk vs. technical risk



SCARS



- FY17 Focus initial effort on studies and targets of opportunity
 - Leverage existing commons and standards to maximum extent
 - Potential: Image generators, databases, network and cyber elements
 - Studies and characterization; Data collection and analysis
 - Reference Architecture – RFP shaping
 - SCARS industry day - 4th quarter FY17
- FY18
 - Follow on studies and pathfinders to refine SCARS
 - Leverage Targets of Opportunity with ongoing obsolescence and CLS activities
 - SCARS incremental conversions via planned contractual actions
 - Draft RFP early FY 18
 - RFP release for SCARS Increment 1 effort – targeted third quarter FY18
- FY19 Contract Award
 - Architecture/Standards Development & Standards Maintenance
 - Conversion of up to 3 systems including initial CLS/TSSC



Conclusions

- Transitions can make or break a reputation
- Balance greed vs. fear when bidding
 - We will hold you accountable to the deal...performance
- SCARS is now seen as an imperative...prepare!
 - Please review drafts and share your opinions



Simulator Common Architecture Requirements & Standards (SCARS)

Lt Col Joshua Lane

Lt Col Jeff Zdenek
AFLCMC/WNS

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



SCARS – Problem Statement

Sustainment of multiple unique simulators and training devices is becoming cost-prohibitive in an increasingly demanding cyber environment

Differing underlying hardware/software configurations

Individual platform baseline management

Multiple program obsolescence states



SCARS will be a key enabler of the training systems cyber security framework.



Mission Statement

Establish a common open system architecture for AF (air) training systems across 40+ systems that enables and ensures:

- An enhanced cyber security posture
- More efficient sustainment of 40+ unique simulator baselines
- A cyber-secure sustainable virtual-constructive (VC) training system capability
- A key foundational infrastructure for Live-Virtual-Constructive training

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



SCARS Points of Contact

Ms. Linda Rutledge, PEO/ACS

Col Philip Carpenter, AFLCMC/WNS

Col Steven Beyer, AFLCMC/WNS

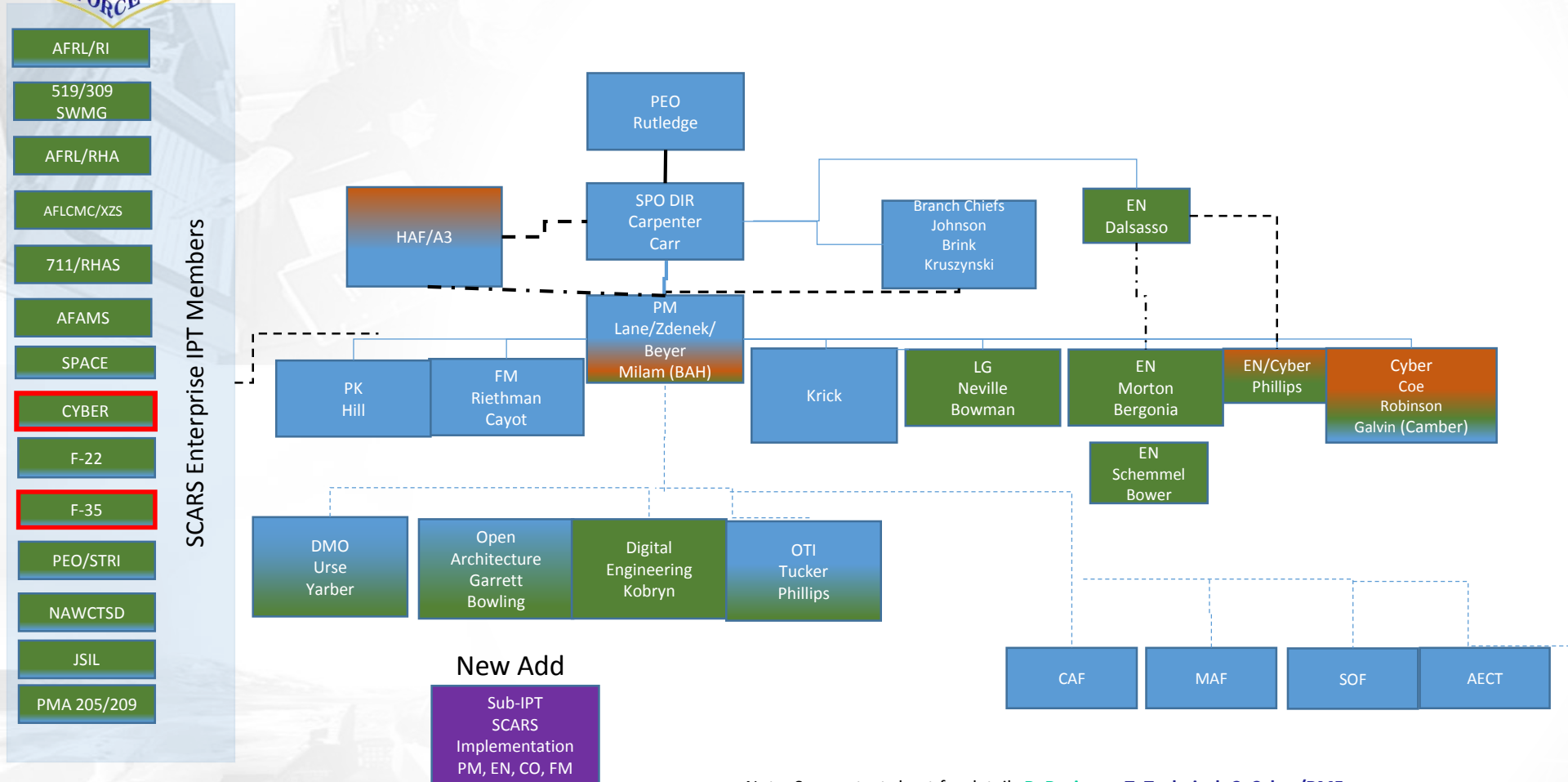
Lt Col Jeff Zdenek, AFLCMC/WNS

Mr. Heath Morton, AFLCMC/WNS

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SCARS Org Chart & SCARS Enterprise IPT



Note: See contact sheet for details **B=Business**, **T=Technical**, **C=Cyber/RMF**
Dashed lines = coordinating relationships

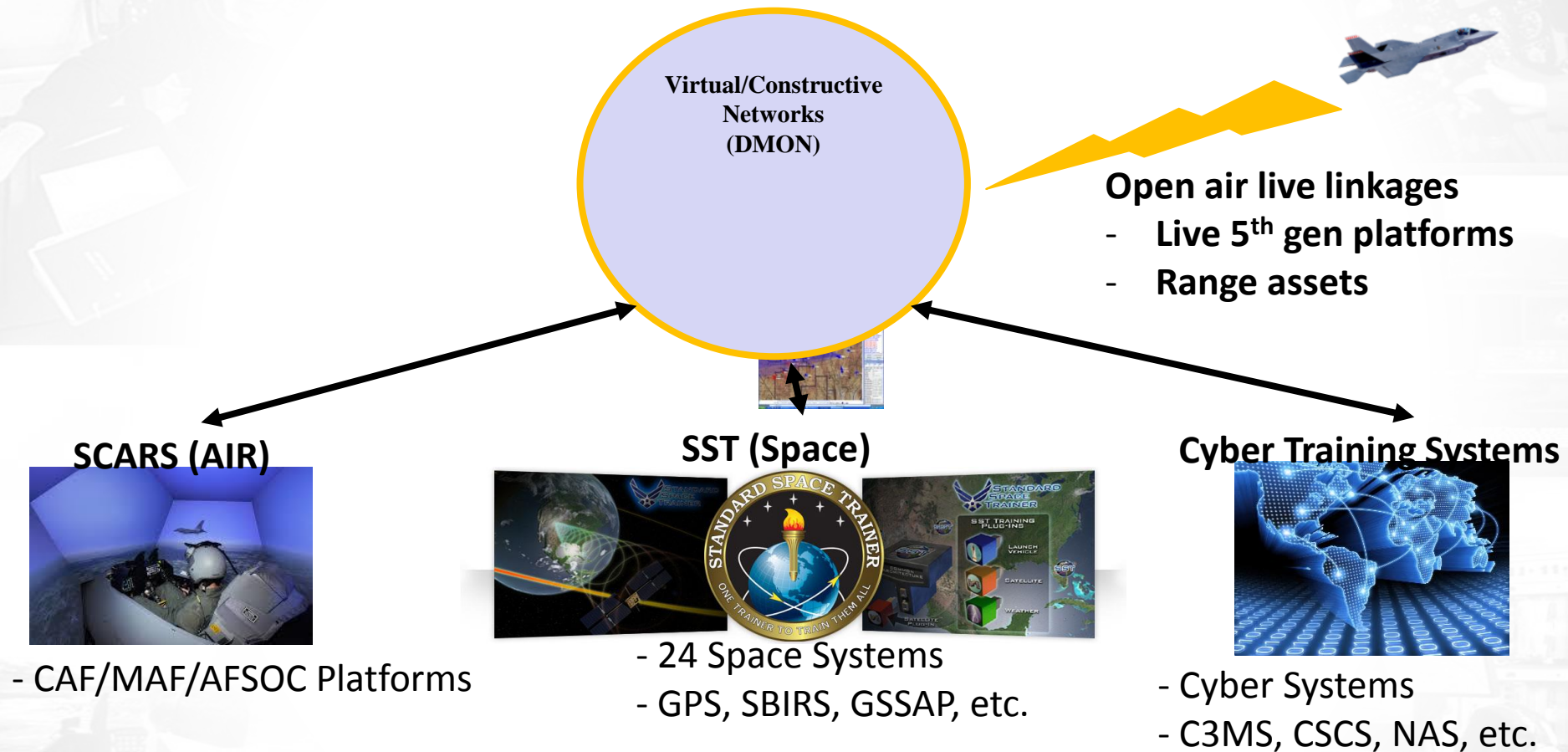
As of 25 Apr 17

ISSUE: Current manning – core team (1 dedicated; multiple part time); Required manning – 12 FTEs -2017



SCARS & LVC

Common Architectures



The Operational Training Enterprise Must Move Towards Greater Commonality Across All Domains (Air, Space, Cyber)



SCARS Next Steps

- FY17 Focus initial effort on studies and targets of opportunity
 - Leverage existing commons and standards to maximum extent
 - Potential: Image generators, databases, network and cyber elements
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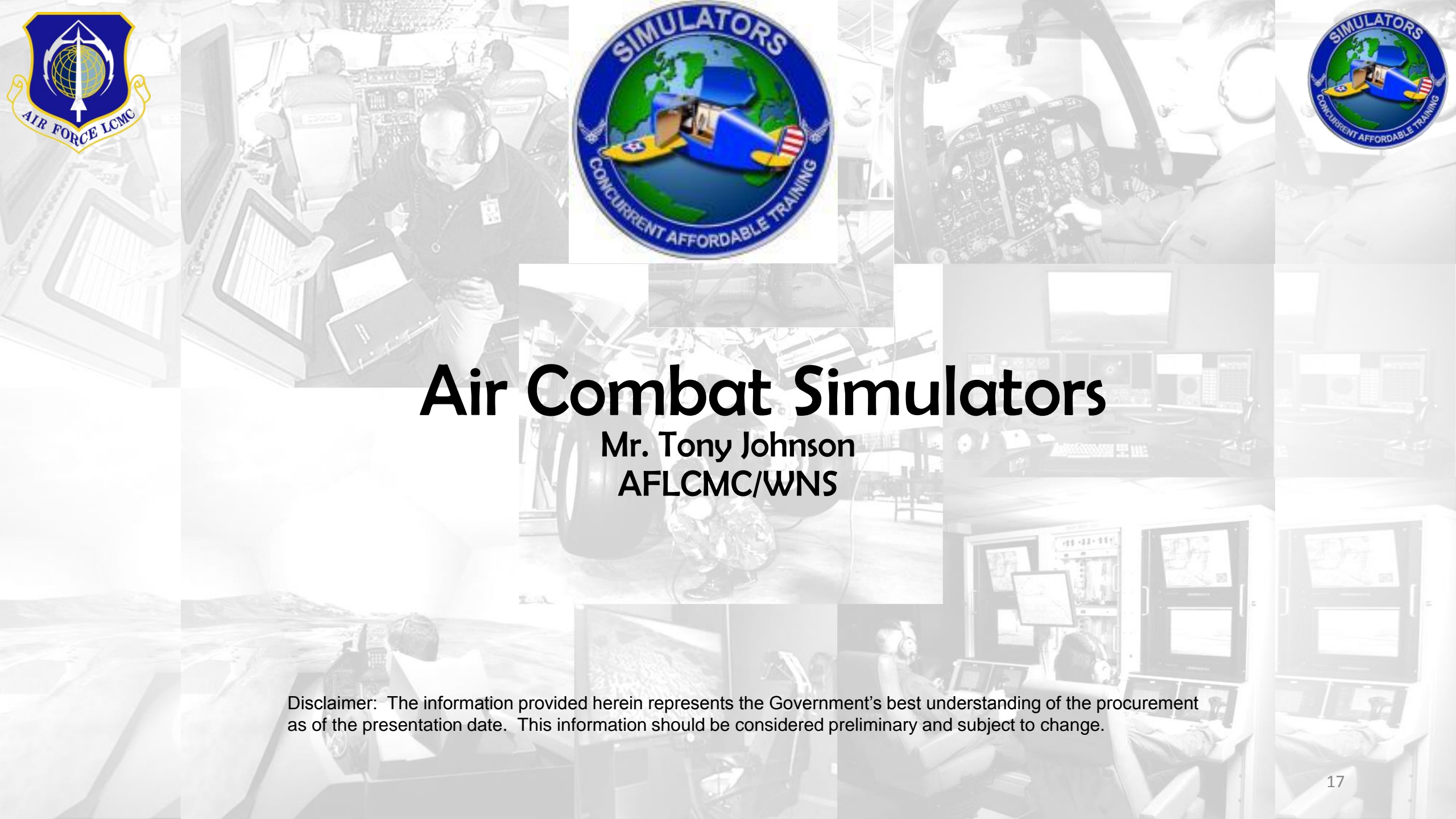
Key Takeaways



Acquisition planning began: Jan 2016

- SCARS is enterprise standards-based activities to address cyber resilience
 - Implemented via platform training system contracts
 - Focused on enterprise efficiencies and effects
 - Adhering to key tenants of BBP 3.0
 - Addressing Open Architecture principles
- SCARS funded in FY18-22
- Ongoing Industry engagement
 - Potential studies
 - Feedback opportunities with draft RFP
 - O&I governance
- Estimated draft RFP: January 2018
- Estimated RFP: May/June 2018
- Estimated Award: Early/Mid FY 19
- Industry will obtain updates via FBO

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Air Combat Simulators

Mr. Tony Johnson
AFLCMC/WNS

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Air Combat Simulators Source Selection Overview



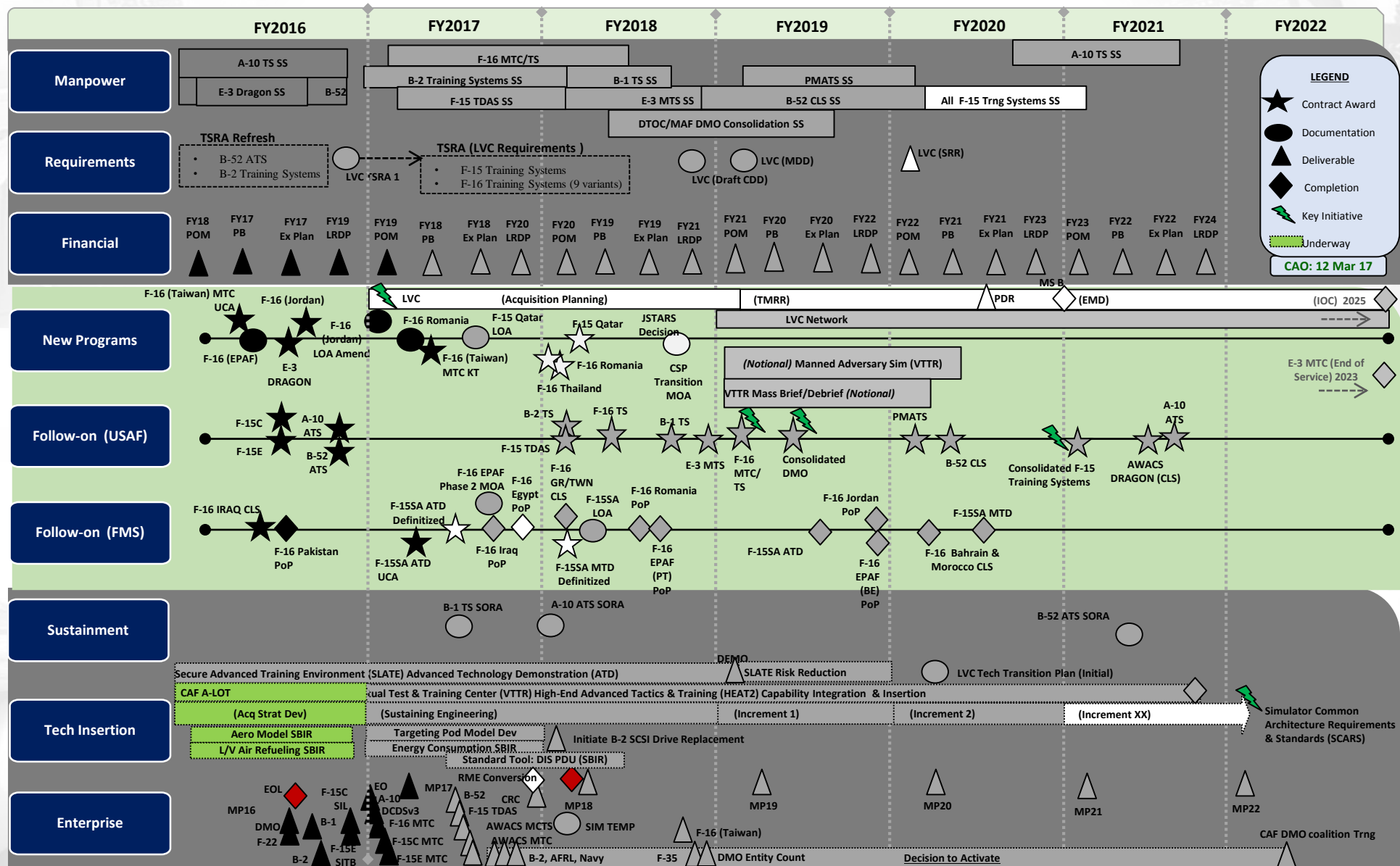
Simulators Division Source Selections

		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 Roadmap





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

User: Mr. Brooke Jensen, HQ ACC/A5TS



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 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



B-1 TS

Anticipated Schedule for Follow-On Effort

The Home of Concurrent, Affordable Training



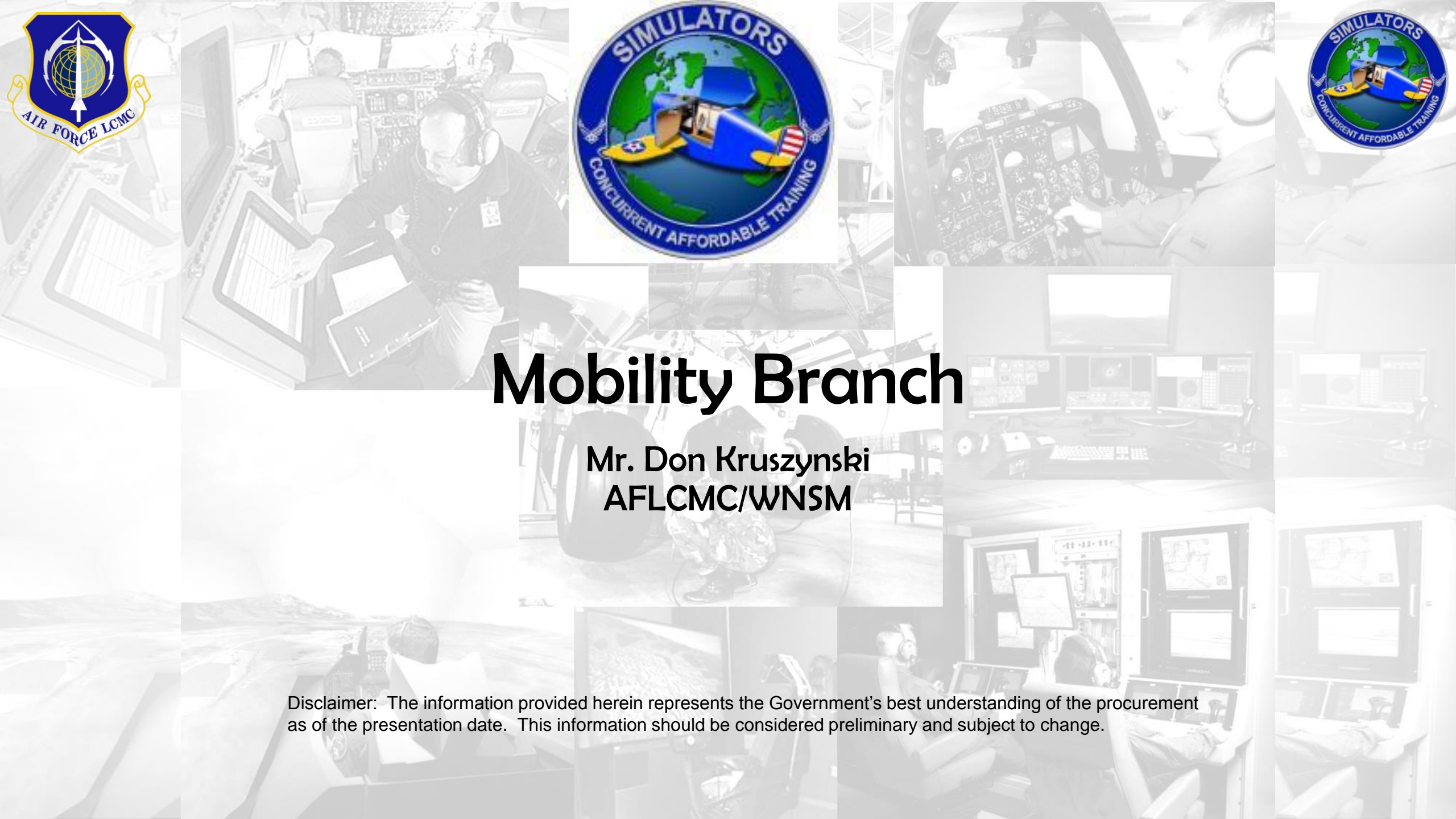
- Acquisition Planning Start: 1 Mar 17
 - First Industry Day: Jun 17
 - RFP Release: Sep 17
 - Award: Sep 18
-
- Capability Assessment sent out 12 Apr 17
 - Contract advertised through TSAIII Website



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



Mobility Branch

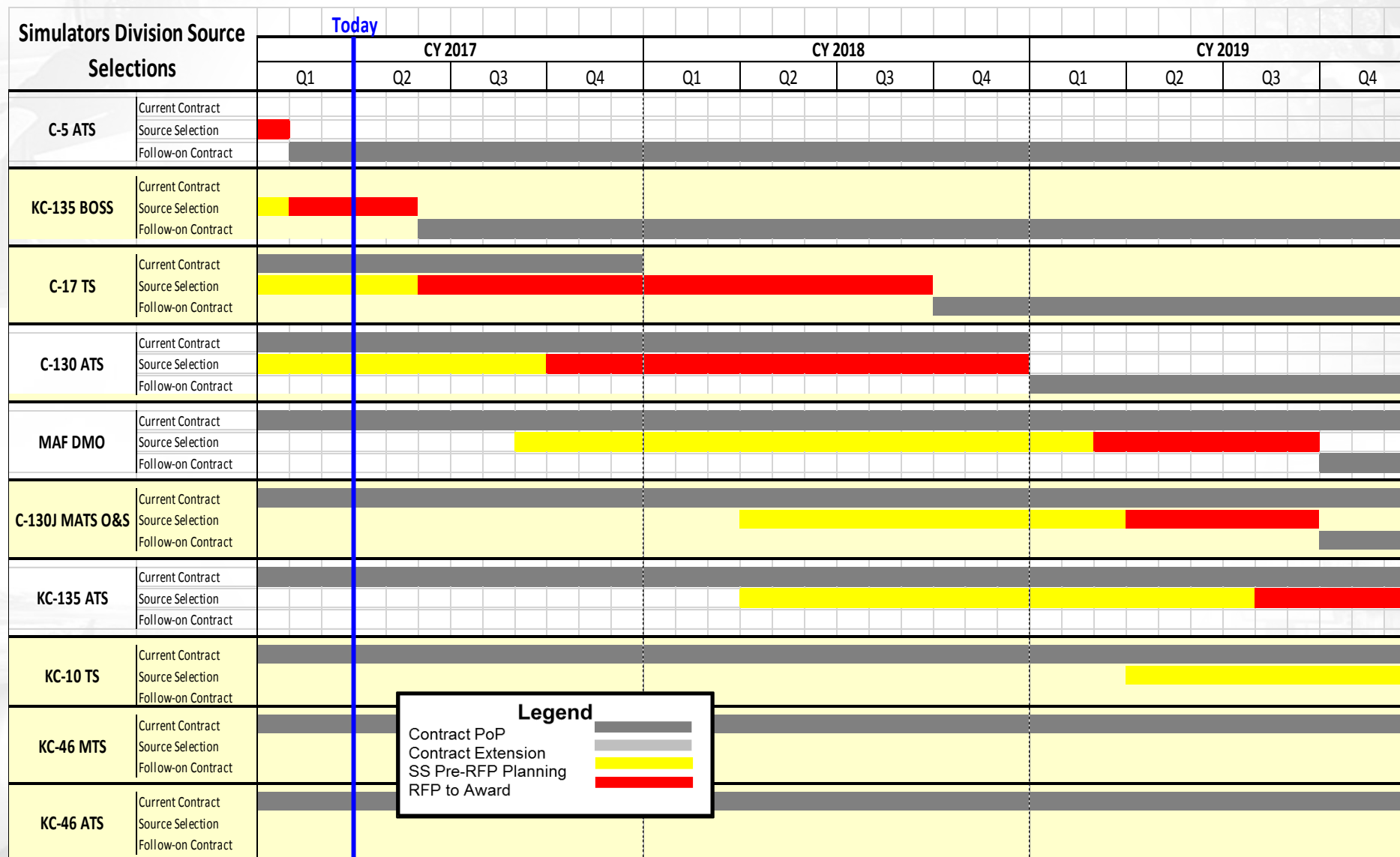
Mr. Don Kruszynski
AFLCMC/WNSM

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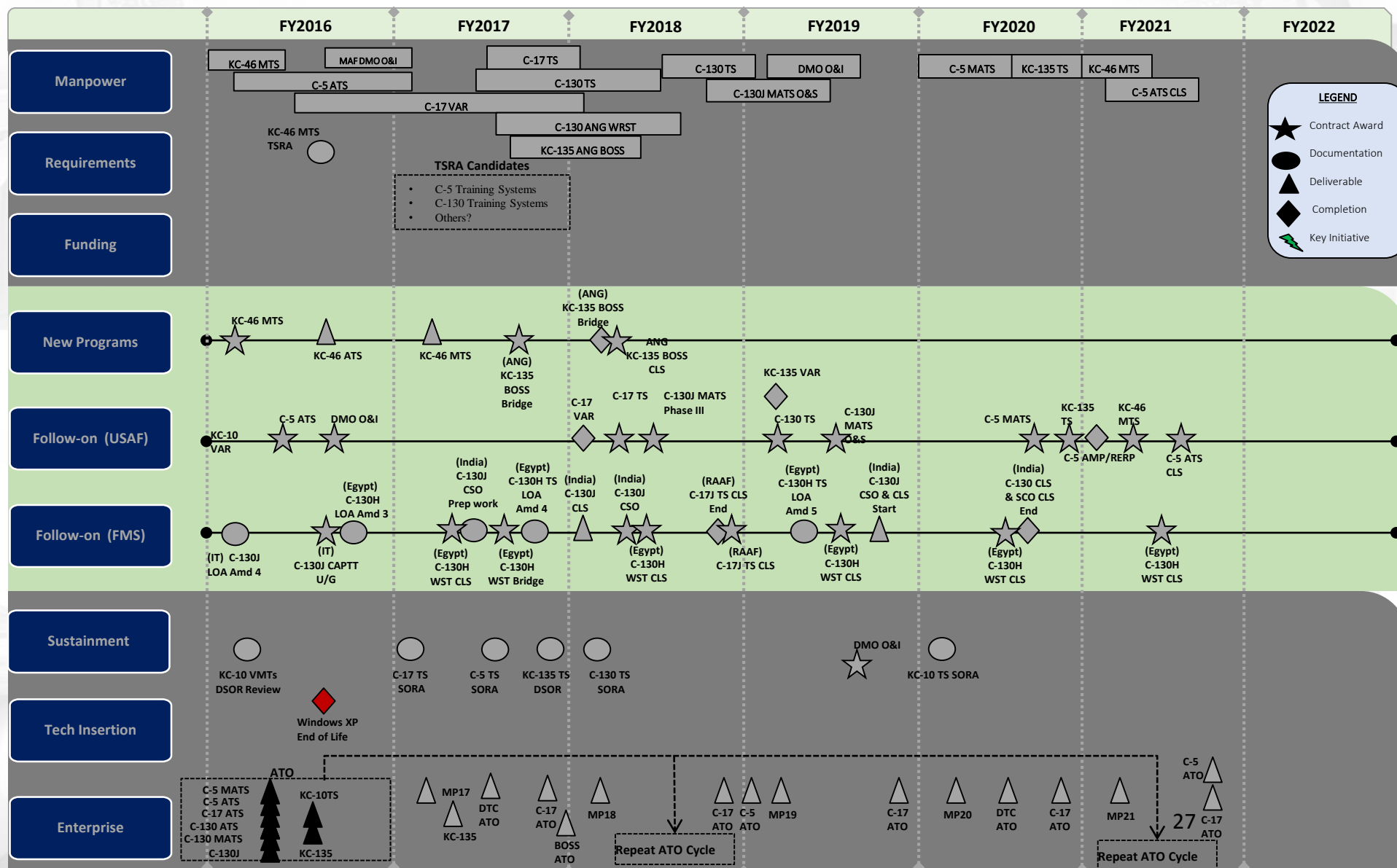
Air Mobility Branch Overview

The Home of Concurrent, Affordable Training





Air Mobility Training Systems Roadmap





C-130 Training System



Current Contractor:

Company: ATS—Lockheed Martin Mission Systems and Training

Contract Number: FA8223-11-C-0001

Period of Performance: 1 Nov 10- 31 Dec 10 Basic, Eight one year options – Current is Jan 16 to Dec 2016. Last option ends 31 Dec 2018

Original Developer:

Company: WSTs—Link (Legacy), Hughes (Dobbins), and Boeing (AMP)

Date(s) Delivered: WSTs— early 1980s, 1998, 2013

Proposed Acquisition Strategy for Follow-On Effort (Notional)

- TSA III, Competitive
- Firm Fixed Price and Cost Reimbursable CLINs
- Period of performance: Basic plus option years
- Base plus option years; Start Jan 19 or earlier
- Estimated Contract Value: \$400M plus

Points of Contact

Program Manager : Mr. Steve Grotjan , AFLCMC/WNSM

Contracting Officer: Mr. Dustin Tatum, AFLCMC/WNSK

User: Mr. Scott Hudson, HQ AMC/A3T



C-130 Aircrew Training System Proposed Schedule for Follow-On Effort



- Acquisition Planning Start: Fall 16
 - First Industry Day: Summer 17
 - RFP Release: Winter 17
 - Award: Jan 19
-
- Industry will obtain updates from the program office via TSA III or FedBizOps



C-17 Training System



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Current Contractor:

Company: L-3 Communications

Contract Number: FA8621-11-D-6261

Period of Performance: 01 Jan 11 – 31 Dec 17

Planned Final Task Order: Nov 17~Nov 18

Original Developer:

Company: Boeing

Date Delivered: Various

Proposed Acquisition Strategy for Follow-On Effort

- Full and Open TSA III Vendors
- Firm Fixed Price and Cost Reimbursable CLINs
- Single award
- Period of performance: 90 day transition; 1-year base (Aug 18 – Aug 19) + up to 5 one-year options
- Estimated Contract Value: \$986M

Points of Contact

Program Manager : Mr. Will Hayden/Mr. Jacob Kolb, AFLCMC/WNSM

Contracting Officer: Ms. Sarah McElhenny, AFLCMC/WNSK

User: Mr. Scott Haak, HQ AMC/A3TR



C-17 Training System

Proposed Schedule for Follow-On Effort

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- Acquisition Planning Start: 31 Jul 15
 - First Industry Day: 29 Feb 16 – 1 Mar 16
 - Second Industry Day: 19-20 Apr 16
 - Third Industry Day: 2 Dec 16
 - Fourth Industry Day: 9 May 17
 - Fifth Industry Day: Jul 17
 - RFP Release: Aug 17
 - Award: Aug 18
-
- Post Bidder's Library to FBO / TSA III Collaboration SharePoint



Points of Contact

The Home of Concurrent, Affordable Training



Program	PM	Contracts	End User
C-130	Mr. Steve Grotjan	Mr. Dustin Tatum	Mr. Scott Hudson
Office	AFLCMC/WNSM	AFLCMC/WNSK	HQ AMC/A3TA
Phone	937- 255-2927	937-255-3532	618-229-4211
Email	stephen.grotjan.1@us.af.mil	Dustin.tatum@us.af.mil	Scott.hudson@us.af.mil
C-17 ATS	Mr. Will Hayden	Ms. Sarah McElhenny	Mr. Scott Haak
Office	AFLCMC/WNSM	AFLCMC/WNSK	HQ AMC/A3TA
Phone	937-255-4393	937-255-2869	618- 229-3583
Email	willie.hayden@us.af.mil	sarah.mcelhenny.1@us.af.mil	scott.haak.1@us.af.mil



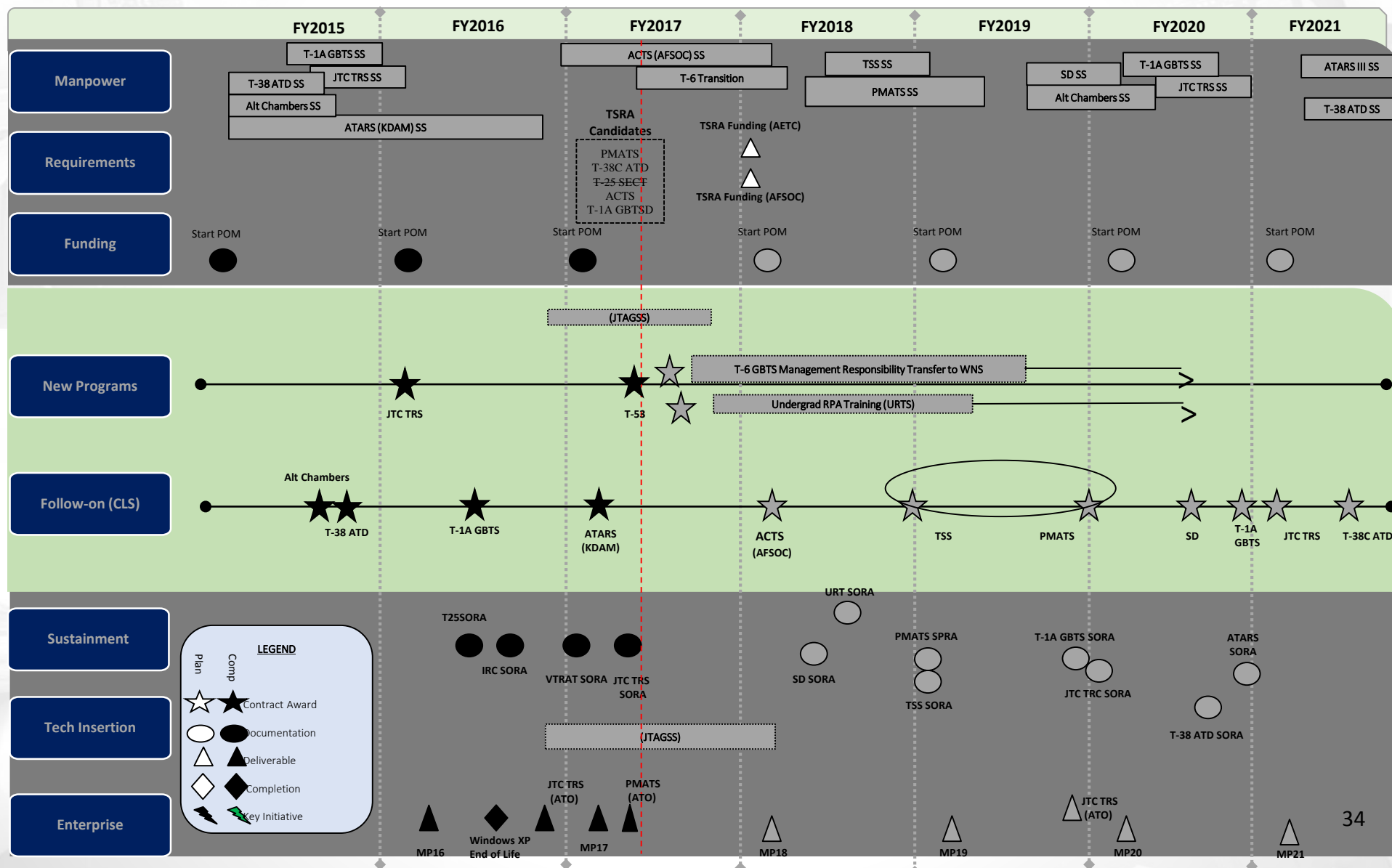
Special Operations Forces (SOF)/Air Education Training Command (AETC) Simulators

Mr. Charles F. Brink
AFLCMC/WNSS

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SOF/AETC Training Systems Roadmap





SOF/AETC Branch Overview



Simulators Division Source Selections		Today											
		CY 2016				CY 2017				CY 2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
AFSOC ACTS	Current												
	Source Sel Follow-on												
Towers	Current												
	Source Sel Follow-on												
PMATS	Current												
	Source Sel Follow-on												

Legend	
Contract PoP	
Contract Extension	
SS Pre-RFP Planning	
RFP to Award	



Towers Training System (TSS)



The Home of Concurrent, Affordable Training

Current Contractor:

Company: Adacel Systems, Inc.

Contract Number: FA8621-14-C-6321

Period of Performance: 01 Dec 13 – 30 Nov 18

Original Code Developer:

Company: Adacel

Proposed Acquisition Strategy for Follow-On Effort

- Market Research will be performed to determine whether Small Business Set-Aside
- Firm Fixed Price and Cost Reimbursable CLINs
- Single award
- Period of performance: 5 years (1 base, 4 options)
 - 90-Day Transition
- Estimated Contract Value: \$19M to \$25M

Points of Contact

Program Manager: Mr. Mike Hopkins, AFLCMC/WNSS

Contracting Officer: Ms. Kerisha Wordlaw, AFLCMC/WNSK

User: Mr. Jim Roberts, AFFSA/XR



Towers Training System (TSS)



- Acquisition Planning Start: Jun 17
 - First Industry Day: TBD
 - RFP Release: TBD
 - Estimated Award Date: 31 Dec 18
-
- Industry will obtain updates from the program office via TSA III or FedBizOps



PMATS



Proposed Schedule for Follow-On Effort

- Acquisition planning begins: 1 Oct 17
- Estimated Award: 1 Sep 19
- Industry will obtain updates from the program office via TSA III or FedBizOps



Points of Contact

Program	PM	Contracts	End User
TSS	Mr. Mike Hopkins	Ms. Kerisha Wordlaw	Mr. Jack Celie
Office	AFLCMC/WNSS	AFLCMC/WNSK	AFFSA/XRR
Phone	937-656-8073	937-656-8153	405-734-5622
Email	michael.hopkins.18@us.af.mil	kerisha.wordlaw.1@us.af.mil	Jack.celie.2@us.af.mil
PMATS	Kyle Shelton	Mr. Bill Oswald	Mr. Mark Winfield
Office	AFLCMC/WNSS	AFLCMC/WNSK	ACC/A5
Phone	937-656-8161	937-656-8283	757-764-2243
Email	Kyle.shelton.2@us.af.mil	William.oswald@us.af.mil	Mark.Winfield.1@us.af.mil

