



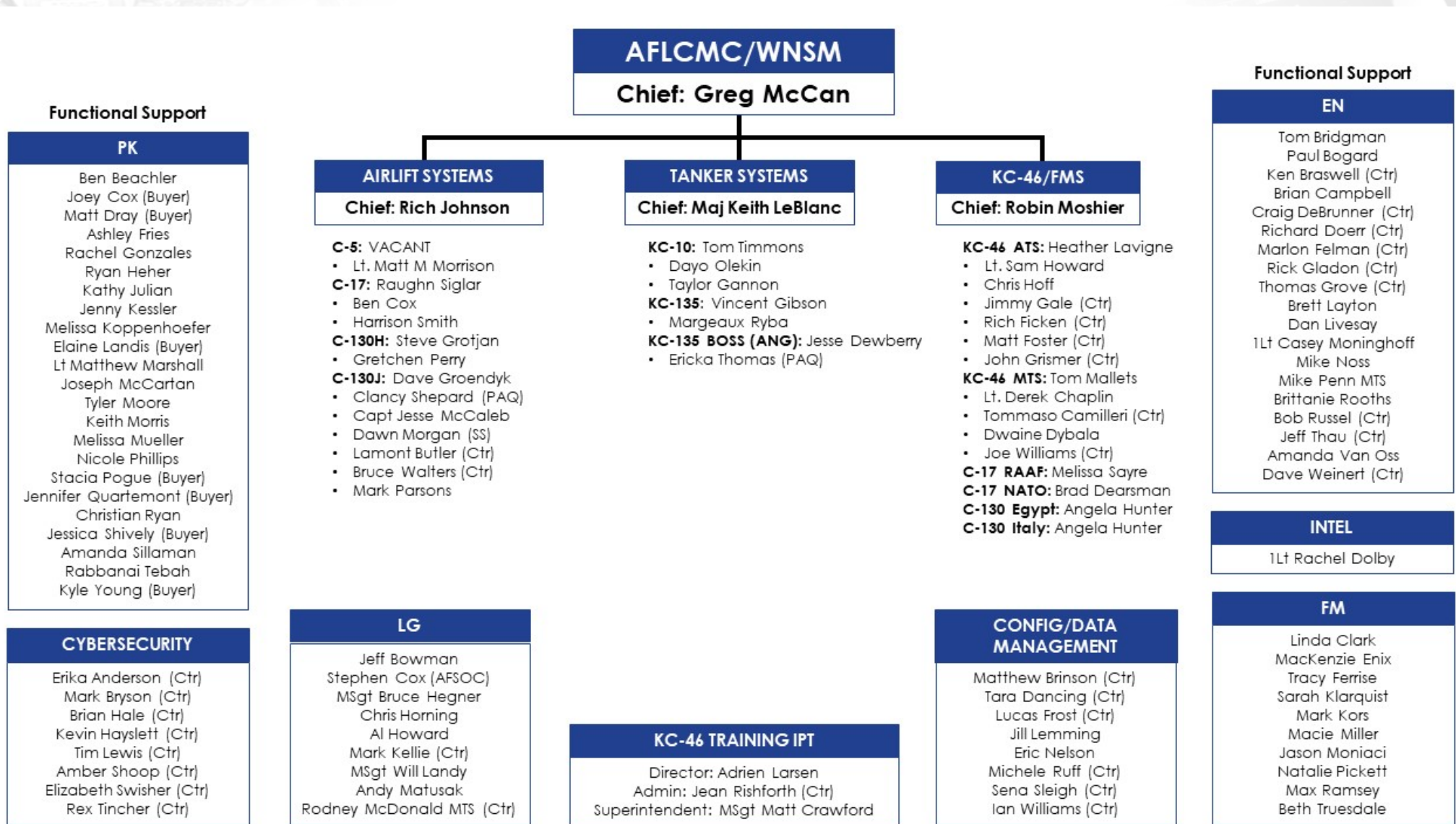
# Mobility Branch

**Mr. Greg McCan**  
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**7 May 19**

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 Mobility Organization Chart





# Air Mobility Branch Source Selection Overview



Simulators Program Office Source Selections		Today																			
		CY 2019				CY 2020				CY 2021				CY 2022				CY 2023			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
C-130J MATS O&S	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
C-17 TS AVS	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
KC-135 ATS	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
KC-10 TS	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
KC-46 MTS	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
C-17 TS	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
C-130J MATS Prod (FOE)	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
KC-135 BOSS	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
C-5 ATS	Current Contract																				
	Source Selection																				
	Follow-on Contract																				
KC-46 ATS	Current Contract																				
	Source Selection																				
	Follow-on Contract																				

•Legend

•Contract PoP

•Contract Extension

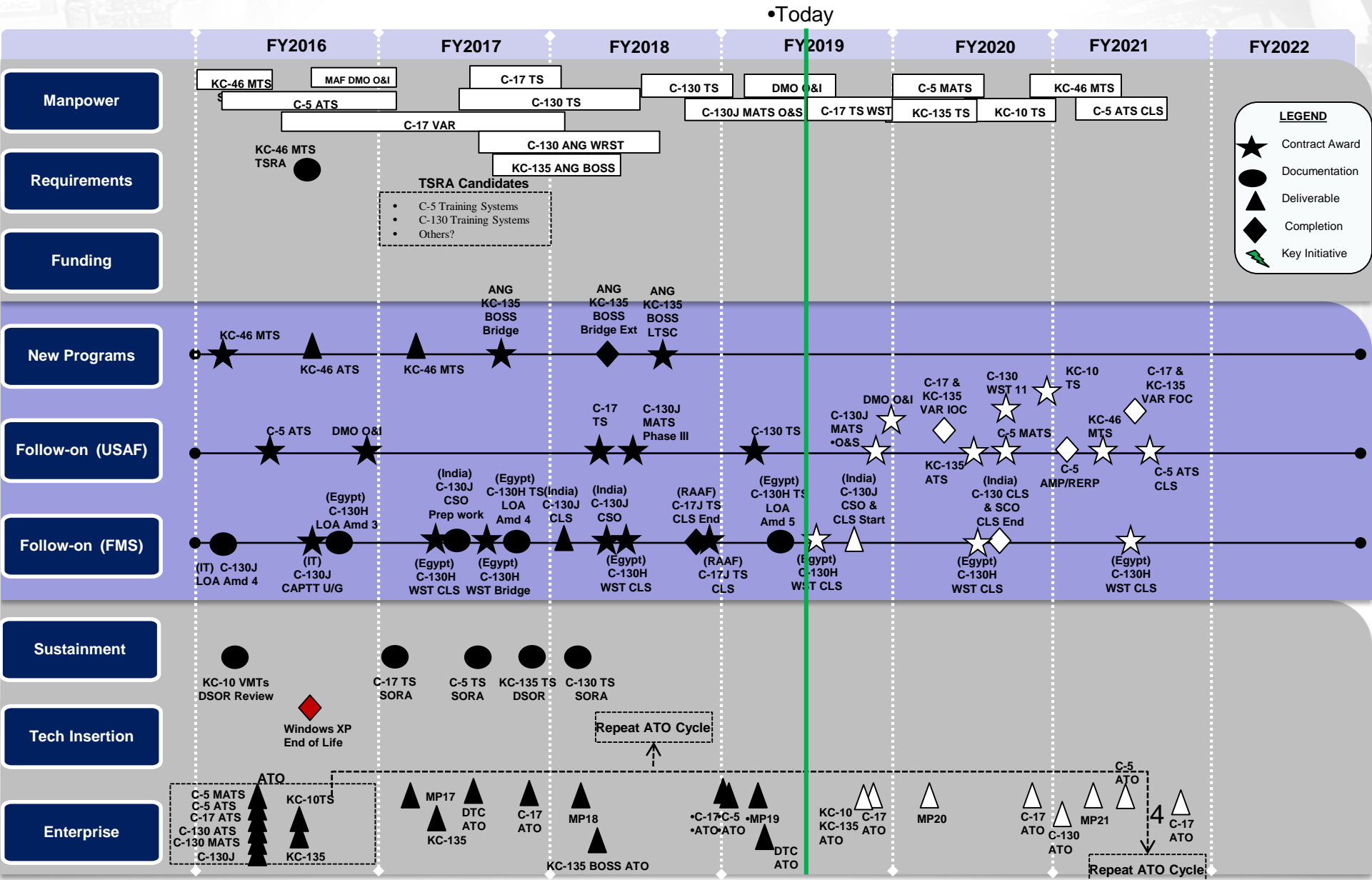
•SS Pre-RFP Planning

•RFP to Award





# WNSM Roadmap





# C-130J Maintenance and Aircrew Training System

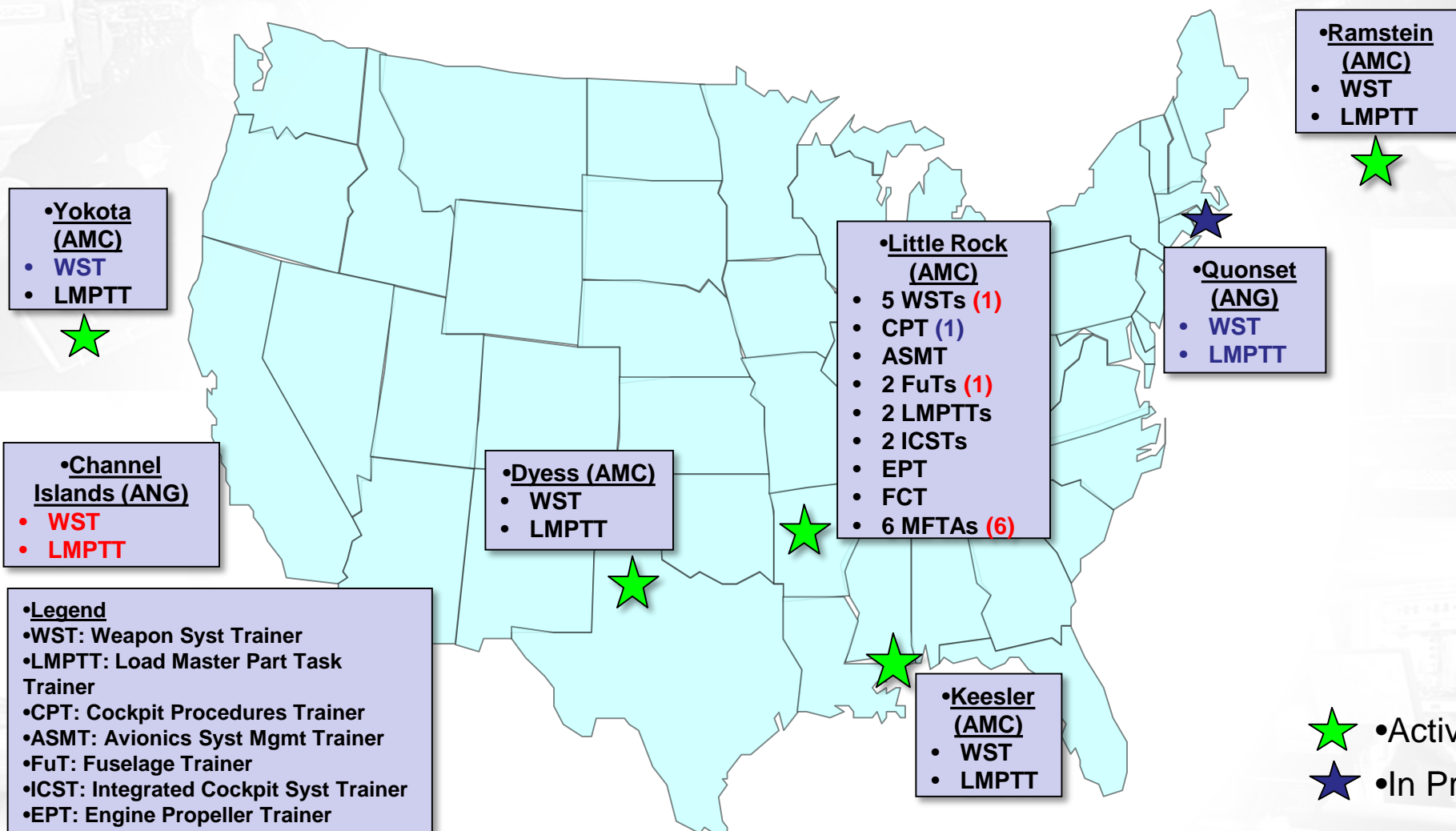


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# Program Description



★ •Active  
★ •In Production



# C-130J MATS O&S



- O&S requirements consist of CLS and aircrew instruction for pilots and loadmasters
  - Locations: Little Rock AFB, AR; Keesler AFB, MS; Dyess AFB, TX; Ramstein AB, Germany; and (future sites) Quonset Point ANG Station, RI; Channel Islands ANG Station, CA; Yokota AB, Japan
  - Includes Visual Threat Recognition and Avoidance Trainer (VTRAT) instruction
- Maintain high fidelity training systems to meet customer requirements/expectations while reducing risk throughout the aircraft weapon system life cycle
  - Result: High quality training capability/aircraft supportability cost savings realized
- Provide aircrew and maintenance engine run training for initial, continuation, and transition courses
  - Result: Minimize aircraft usage for training while increasing aircraft availability for missions





# C-130J MATS O&S



- TSA III Task Order –
  - FAR part 16 Small Business Set Aside
- Contract Type – FFP, CR
- Estimated Contract Award: 30 Sep 19
- Period of Performance: 3 month transition with 1 base year and 7 one year options
  - PoP Start: 30 Sep 19 – 31 Dec 27
- Transition Period: 30 Sep 19 – 31 Dec 19



# C-130J MATS O&S

- Weapon System Trainer (WST)



- Loadmaster Part Task Trainer (LMPTT)



- Fuselage Trainer (FuT)



# C-130J MATS O&S

- Cockpit Procedures Trainer (CPT)



- Avionics Systems
- Management Trainer (ASMT)

# C-130J MATS O&S



•Engine Propeller Trainer  
(EPT)

- Integrated Cockpit Systems Trainer (ICST)



- Flight Control Trainer  
(FCT)





# C-130J MATS O&S



- **Multi Function Training Aid (MFTA)**



# KC-10 Training System



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# Program Description

## Travis AFB, CA

- 2 WST (#2 & #4)
- 1 FTD (#2)
- BOT (#2)
- CLM
- AST
- FMS/TTT
- CBT
- CLT
- EMT
- MLGT

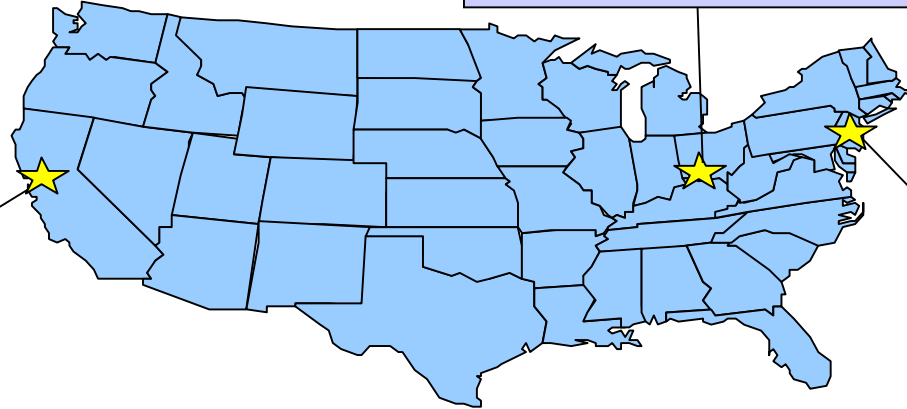
Travis AFB, CA  
(TSSC)

## Wright-Patterson AFB AFLCMC/WNS

## JB/MDL

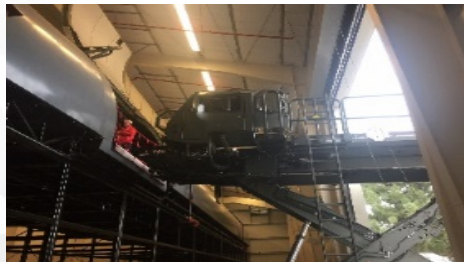
- 2 WST (#1 & #3)
- 1 FTD (#1)
- BOT (#1)
- CLM
- AST
- FMS/TTT
- CBT
- EMT
- MLGT

Joint Base McGuire- Dix-  
Lakehurst, NJ



WST - Weapon System Trainers  
FTD - Flight Training Devices  
BOT - Boom Operator Trainers  
CLM - Cargo Load Models  
CLT - Cargo Load Trainer

AST - Aircraft Systems Trainer  
EMT - Engine Maintenance Trainers  
MLGT - Main Landing Gear Trainers  
CBT - Computer Based Trainers  
FMS - Flight Management System  
TTT - Table Top Trainer



WST





# KC-10 Training System

## **Current Contractor:**

Company: Pinnacle Solutions Inc.

Contract Number: FA88621-16C-6281

Period of Performance: 31 Dec 2015 – 31 Dec 20

## **Original Developer:**

Company: Simulators originally developed by E&S, Thales, in mid 1980s

Converted to WSTs @ 2000 by CAE

## **Proposed Acquisition Strategy for Follow-On Effort (Notional)**

- TSA III small business set aside
- Firm Fixed Price and Cost Reimbursable CLINs
- Period of performance: Basic plus @ 3 option years
- Base plus option years; Start Jan 21...possibly later
- Estimated Program Value: \$130M through FY24

## **Points of Contact**

**Program Manager :** Mr. Tom Timmons , Taylor Gannon, AFLCMC/WNSM

**Contracting Officer:** Ms. Jason Cook, AFLCMC/WNSK

**User:** Mr. Jim Wood, HQ AMC/A3T

# Weapons System Trainer (WST)

- 2 WSTs at each location
  - WST #1 and #3 at JB MDL
  - WST #2 and #4 at Travis AFB



# Landing Gear and Engine Maintenance Training Devices



- Main Landing Gear Training Device (MLGTD) and the Engine Maintenance Training Device (EMT)
- One of each located at Travis AFB, CA and JB MDL, NJ



# Cargo Load Training Device (CLT)



- Located at Travis AFB, CA
- 1 x 25K loader
- 1 x forklift
- Multiple Training Pallets
- Aerial Port Team

# Class Room Instruction







# KC-10 TS Divestiture Schedule (Notional)



	FY19	FY20				FY21				FY22				FY23				FY24				FY25
Milestone Events	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Contract		Recompete Award: Sep 20				Pinnacle contract ends: 31 Dec 19																
Transition Period																						
KC-10 Tails																						
Simulator Relocations																						
KC -46 Arrivals																						
KC-46 Simulators																						
KC-46 Bldg. Occupancy																						
Sunset Clause																						

WRI = JB MDL  
SUU = Travis AFB

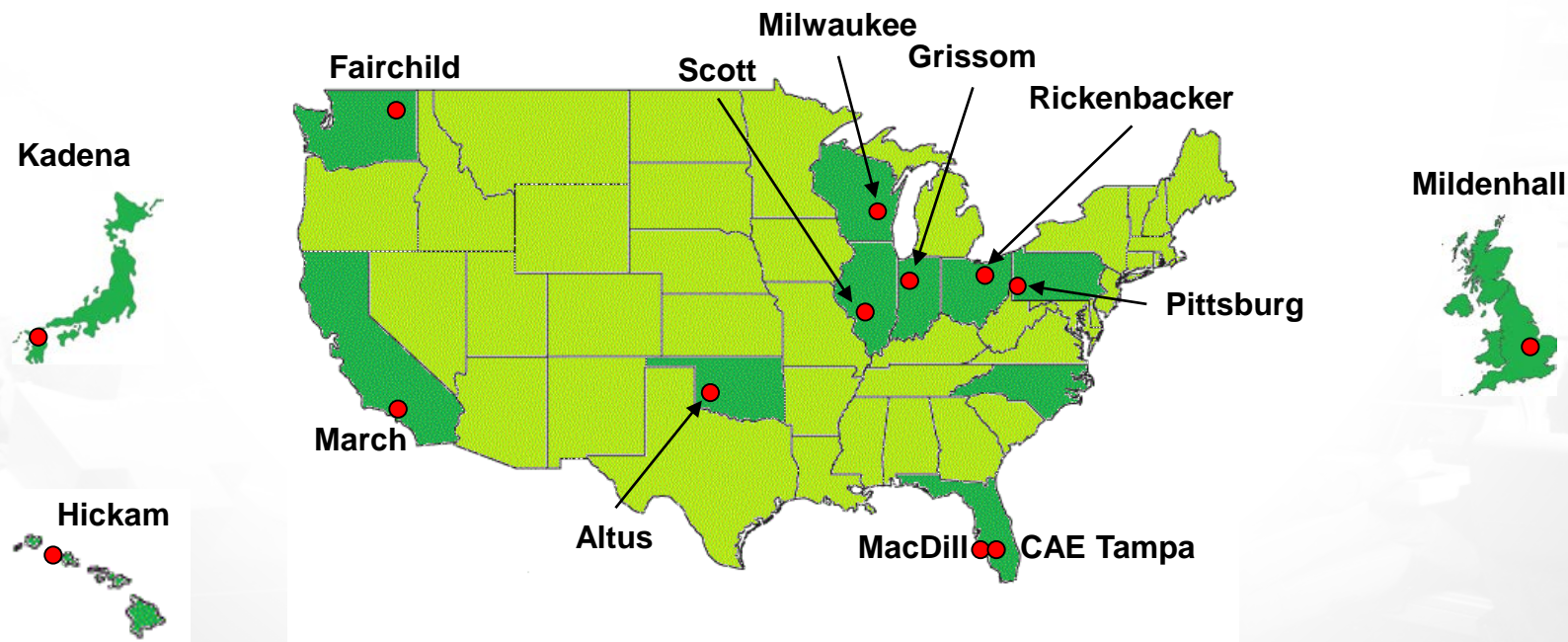


# KC-135 Training System



# KC-135 Training System

- KC-135 Training System consists of 19 Operational Flight Trainers (OFTs), 9 Boom Operated Weapon System Trainers (BOWSTs), 5 Cockpit Familiarization Trainers (CFTs), and 1 Cargo Load Trainer (CLT) serving 10 CONUS locations & 3 OCONUS.
- The principle mission of the KC-135 TS is to simulate the functionality of the KC-135 aircraft to provide training tools for pilots and boom operators.
- Initial training conducted at Altus AFB Field training Unit, with continuation training provided at regional sites, worldwide.
- Lead Command: AMC
- Using Organizations: AETC, ANG, AFRC, USAFE

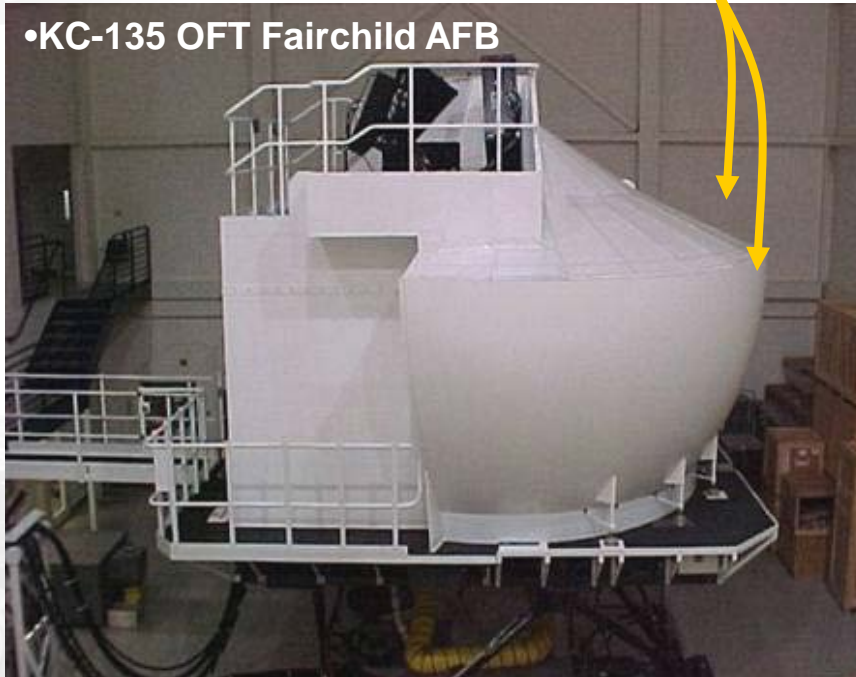




# KC-135 OFT Simulators

- 19 OFTs
- 225 Wide x 45 Height (Degree) Field-of-View Visual System
- Worldwide Imagery, Custom High Res KC-135 Ops Locations

•KC-135 OFT Fairchild AFB



•KC-135 OFT Altus AFB



- FAA Level C (SIMCERT - Bi-annual)
- Six Point Freedom-of-Motion System
- Aircraft Cockpit Instruments & Software (Same in Aircraft)
- Lateral Motion, DAFIF Generic Airfield



# Boom Operator Weapons System Trainer (BOWST)

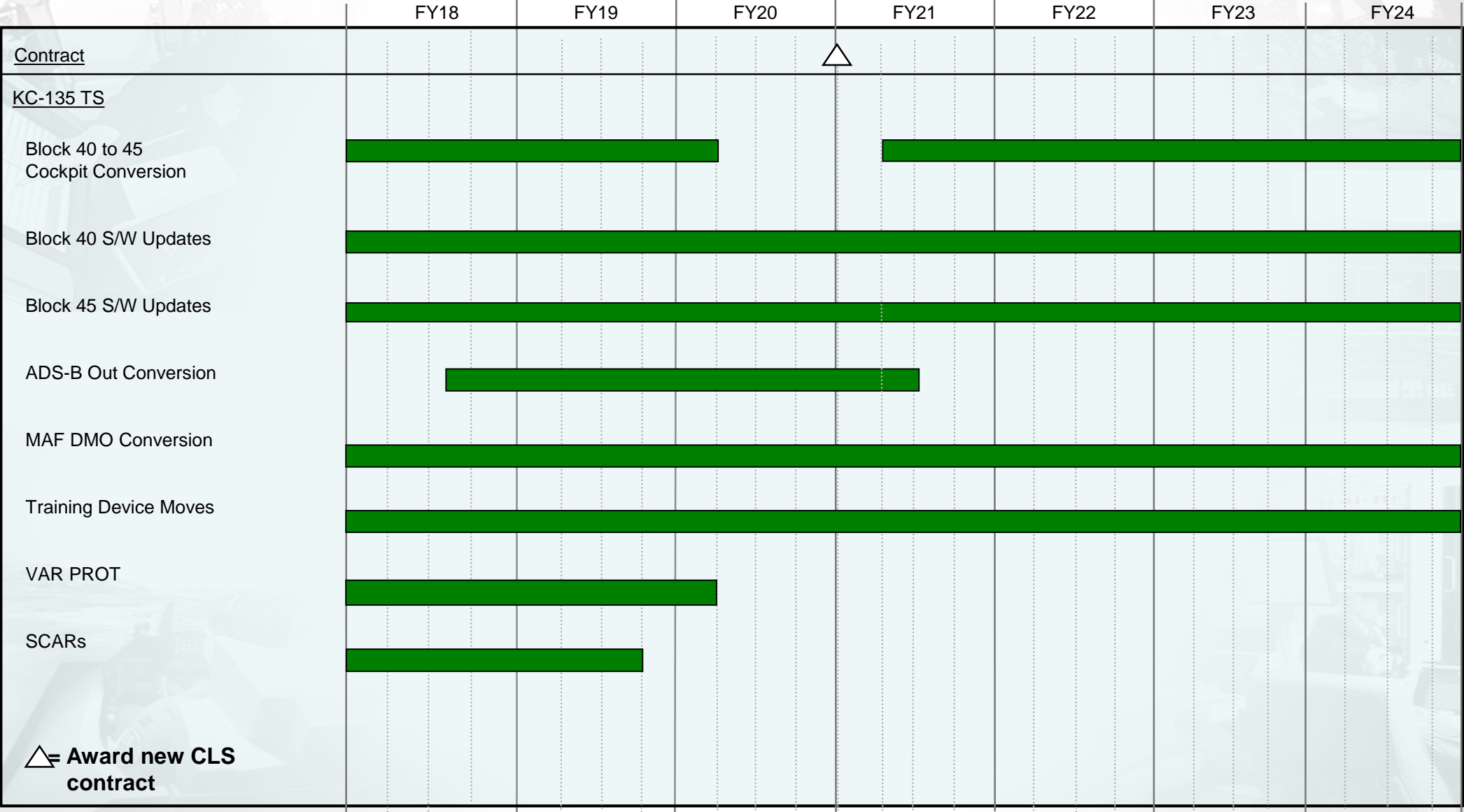
- 9 BOWST
  - ARASQ Rev C Certified
  - Full Fidelity Live Training
    - Contact; Day and/or Night; All Receivers
  - Improve Quality of Training and Saves Flying Time





# K-135 Training System

## Concurrency Mod Schedule







# KC-135 Training System



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## **Current Contractor:**

Company: CAE

Contract Number: FA8223-10-C-0013

Period of Performance: 01 Oct 10 – 30 Sep 20

Final Task Order: 01 Oct 19 - 30 Sep 20

## **Original Developers:**

Companies: FlightSafety & CymSTAR

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; 6 month base (Jul 20-Dec 20), and up to 7 one-year options and 1 six-month option
- Estimated Program Value: \$450M

## **Points of Contact**

**Program Manager** : Mr. Vince Gibson/Ms. Margeaux Ryba, AFLCMC/WNSM

**Contracting Officer**: Mr. Joe McCartan, AFLCMC/WNS

**User**: Mr. Cliff Sanchez and Mr. Chris Rife, HQ AMC/A3TK





# KC-135 Training System



## Proposed Schedule for Follow-On Effort

- Industry Week: 21-23 May 19
  - Draft FOPR Release 30 Jul 19
  - FOPR Release: 17 Sep 19
  - Contract Award: Apr 20
  - Transition Period: Apr 20-Jun 20
  - PoP Start: 1 Jul 20
- 
- Industry will obtain updates from the program office via TSA



# Mobility Branch Overall Requirements



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Program	H/W Buy	CLS	TSSC	Mods	Courseware Development	Instruction
KC-10		X	X	X	X	X
KC-135		X	X	X	X	X



# Points of Contact

*The Home of Concurrent, Affordable Training*

Program	PM	Contracts	End User
<b>KC-10</b>	<b>Mr. Tom Timmons</b>	<b>Ms. Melissa Koppenhoefer</b>	<b>Mr. Jim Wood</b>
Office	AFLCMC/WNSM	AFLCMC/WNSK	HQ AMC/A3TK
Phone	937- 255-2939	937-656-7990	618-229-3579
Email	thomas.timmons@us.af.mil	mellisa.koppenhoefer@us.af.mil	james.wood.9@us.af.mil
<b>KC-135</b>	<b>Mr. Vincent Gibson</b>	<b>Mr. Joseph McCartan</b>	<b>Mr. Cliff Sanchez</b>
Office	AFLCMC/WNSM	AFLCMC/WNSK	HQ AMC/A3TK
Phone	937-255-4367	937-296-7990	618- 229-3645
Email	Vincent.gibson.4@us.af.mil	Jospeh.mccartan@us.af.mil	clifford.sanchez@us.af.mil





# Questions?