



# NDIA AUTOMATIC TEST COMMITTEE

USAF Liaison Report

28 August 2022

Anthony Porter – BAE Systems



# AGENDA



- Organization
- COVID-19 Impacts
- Current Program Highlight
- Opportunities
- Future Trends and Issues
- Questions



# AFLCMC LEADERSHIP TEAM



SAE



Commander



Exec. Dir.



Vice  
Commander



Command  
Chief



Dir. of Staff



Mobilization  
Asst.



ANG Asst.



88 ABW



66 ABG

## EXECUTION DIRECTORATES

## ENABLING DIRECTORATES



AFSAC



Agile Combat  
Support



Armament



Bombers



Business &  
Enterprise Sys



Acq. Excellence  
Program Execution



Architecture &  
Integration



Contracting



Engineering



Financial  
Management



C3I &  
Networks



Digital



Fighters &  
Advanced Aircraft



ISR & SOF



Joint Strike  
Fighter



History



Information  
Protection



Intelligence



Inspector  
General



Judge  
Advocate



Mobility &  
Training



Presidential &  
Executive Airlift



Propulsion



Rapid Sustainment  
Office



Logistics



Personnel



Plans &  
Programs



Safety



Small  
Business



# AGILE COMBAT SUPPORT DIRECTORATE



**CMSgt JuanCarlos Cueto**  
Senior Enlisted Leader



**Col Carlos Quinones**  
Deputy PEO



**Ms. Lea Kirkwood**  
PEO/Director



**Kevin Keck**  
Deputy PEO



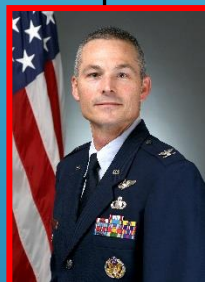
**Col Joey Angeles**  
Sr IMA to Directorate



**Mr. Scott McClain**  
Chief, Auto Test Sys



**Mr. Carl Unholz**  
Chief, AFMETCAL



**Colonel C. Matt Ryan**  
Chief, Simulators



**Mr. Emilio Varcarel**  
Chief, Human Systems



**Colonel Gregg Jerome**  
Chief, EW & AV



**Colonel James Brenning**  
Chief, Spt Equip/Veh



**Mr. Phil Marcum**  
Chief,  
Contracting  
WPAFB



**Mr. Marty Ledden**  
Chief,  
Contracting  
Robins AFB



**Ms. Lynne Leftwich**  
Chief,  
Financial  
Management



**Mr. Alvin "Clay" Mims**  
Director of  
Engineering



**Mr. William Santiago**  
Chief,  
Logistics



**Ms. JoAnn Freburg**  
Chief,  
Management  
Operations



**Mr. Dennis Deitner**  
Chief,  
Portfolio  
Analysis



**Mr. Ron Hannan**  
Chief,  
Security



**Mr. Michael Duron**  
Chief,  
FMS



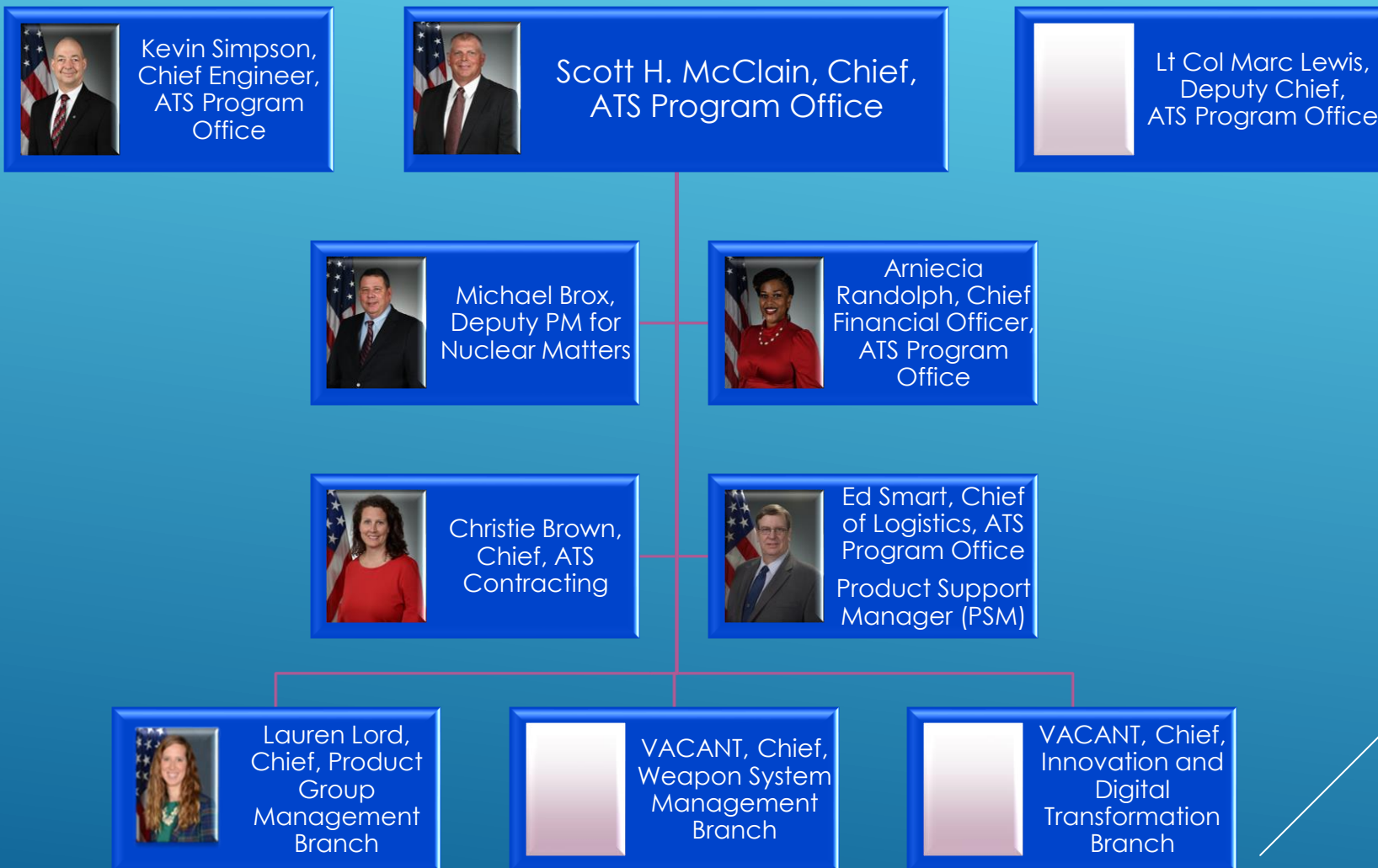
**Mr. Jeffrey Thetford**  
Chief,  
Intelligence



**Ms. Eryn Turckes**  
Chief,  
Test



# ATS LEADERSHIP TEAM





## USAF ATS – COVID-19 IMPACTS



- ALFLCMC/WNA personnel are working a hybrid of WFH and being in the office
  - 78<sup>th</sup> Base Commander Health Rating being used as guidance
  - Moving to an “enduring posture” that will see more people return to the office
  - Not expecting to see occupancy at pre-COVID levels, but fewer full time remote
- Continuing to engage with contractors via “Zoom”, “Teams”, etc
- Travel authorized based on program needs
  - Evaluated on a case by case basis
- Minor impacts to some programs
- We will continue to deliver automatic test capabilities to the warfighter without interruption



# USAF ATS – CURRENT PROGRAM HIGHLIGHTS AND FUTURE TRENDS



- AFLCMC/WNA Organization now includes Test, Measurement, and Diagnostic Equipment (TMDE) items as part of the WNA OSS&E/Configuration Management portfolio
  - Previously TMDE was part of the portfolio, but not truly managed like other ATS
  - TMDE Logistics Managers, Equipment Specialists and Engineers reassigned from the 404<sup>th</sup> SCMS to AFLCMC/WNA
- What changes will this drive?
  - How will TMDE be sustained/supported?
    - TMDE is Commercial off the Shelf (COTS) – should they be repaired or simply thrown away and replenishments purchased?
    - AFMETCAL utilizes an extended warranty for their COTS items, is that possible for WNA?
    - Currently TMDE items must be prioritized high enough on the Council of Colonel's list to receive funding – is this the best approach or is there a better way to meet warfighter requirements?
    - 3PL contract expired – shifting to 3PEP third party logistics construct
      - Award projected in early September 2022

WNA is getting up to speed with TMDE Enterprise and look forward to improving warfighter support moving forward



# USAF ATS – OPPORTUNITIES

## ATS Acquisition (ATSA-I)

- Objective: Establish Indefinite Delivery/ Indefinite Quantity Multi-Award Contract encompassing full life cycle management
- Scope: 350+ tester types, ~8K fielded systems, and TPS development; 6 ATS capabilities, 4 ACAT III programs, and FMS

## Business Opportunities

ATS Enterprise Contract:

- Large and small businesses
- Improved timeline to award
- FMS and non-FMS

## Schedule

- Early Strategy and Issues Session (ESIS): FY22 (March)
- RFP Release Date: 1QFY23
- Period of Performance: 5 years

## Contract Information

Anticipated Contract Strategy:

- Estimated Contract Value: \$1B+
- All contract types; task order specific

POC: Daniel Segno, (478) 222-2117





# USAF ATS – OPPORTUNITIES



## Common Armament Tester (CAT-F)

- Objective: Provide reliable, nuclear-certified, cyber-resilient armament tester for F-15, F-16, w/potential expansion to A-10, F-22, & MQ-9 fleets
- Scope: Full digital acquisition; MTA Rapid Prototyping/Rapid Fielding for ~ 526 testers

## Business Opportunities

- ATS' first digital acquisition program
- Modular Open Systems Architecture
  - Design Agent Other Transaction Authority (OTA) to build Government Reference Architecture (GRA)

## Schedule

- Materiel Development Decision (MDD): FY22 (June)
- Program Start: FY25
- Period of Performance: TBD

## Contract Information

Anticipated Contract Strategy:

- Estimated Contract Value: \$250M
- Full and Open Competition

POC: Daniel Segno, (478) 222-2117



# USAF ATS – OPPORTUNITIES

## Aircraft Smart Weapons Test Set (ASWTS)

- **Objective:** To procure a lightweight, hand-held, battery/aircraft powered, universal, configurable/programmable common test set capable of integrating into the Flight-Line of the future tester by streamlining current inventory and existing capability gaps with a lighter, leaner, smaller mobility footprint required by Agile Combat Employment
- **Scope:** Replace current tester Aircraft Circuits Pre-load Test Set (ACPTS) testers for A-10 (150), F-15 (83), F-16 (335), and MQ-9 platforms

## Schedule

- Material Development Decision (MDD): FY22 (Sep)
- Program Start: FY25
- Period of Performance: TBD

## Business Opportunities

- Modular Open Systems Architecture (MOSA)
- Design Agent Other Transaction Authority (OTA) to build Government Reference Architecture (GRA)

## Contract Information

Anticipated Contract Strategy:

- Estimated Contract Value: \$100M
- Full and Open Competition

POC: Daniel Segno, (478) 222-2117



## USAF – FUTURE TRENDS



- “Accelerate Change or Lose”; General Charles Q. Brown Jr (Air Force Chief of Staff)
  - Released in August 2020, but still very relevant
- 7 Operational Imperatives; Frank Kendall (Secretary of the Air Force)
  1. Defining Resilient and Effective Space Order of Battle and Architectures;
  2. Achieving Operationally Optimized Advanced Battle Management Systems (ABMS) / Air Force Joint All-Domain Command & Control (AF JADC2);
  3. Defining the Next Generation Air Dominance (NGAD) System-of-Systems;
  4. Achieving Moving Target Engagement at Scale in a Challenging Operational Environment;
  5. Defining optimized resilient basing, sustainment, and communications in a contested environment;
  6. Defining the B-21 Long Range Strike Family-of-Systems;
  7. Readiness of the Department of the Air Force to transition to a wartime posture against a peer competitor.
- B-21 moving toward first flight, F-15 EX and F-16 Block 70



## USAF ATS – FUTURE TRENDS



- Digital acquisition and model-based systems engineering (MBSE)
  - Opportunity to see problems sooner
- Flight line of the future
  - What does it mean for the USAF? Industry?
  - Tech insertion to improve readiness
  - What is the role of data analytics?
- Agile development in ATS programs
  - Affordability and bringing capability to the field more quickly is paramount to ATS modernization
  - Software “sprints” are relatively easy to define
  - What does “Agile” mean in a hardware environment?



## USAF ATS – TOP ISSUES



- Digital Acquisition – What does that look like for ATS?
- Collaboration on pre- Request for Proposal (RFP) requirements
  - Help AF get the correct requirement in the contract by asking questions in order to give AF what it wants/needs, and not what it is asking for
- Adaptability within the contract to provide for “agile” systems engineering
- Contract execution strategy to address the high likelihood that Government Furnished Equipment (aircraft, Line Replaceable Units) are unavailable
- Better Partnerships – No can’t be the answer on a sole source contract! Help us find answers



QUESTIONS?

