



NDIA AUTOMATIC TEST COMMITTEE

USAF Liaison Report

07 March 2023

Anthony Porter – BAE Systems



AGENDA



- Organization
- Personnel Posture
- 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 Juan Carlos Cueto
Senior Enlisted Leader



Ms. Lea Kirkwood
PEO/Director



Col Carlos Quinones
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. David McCain
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



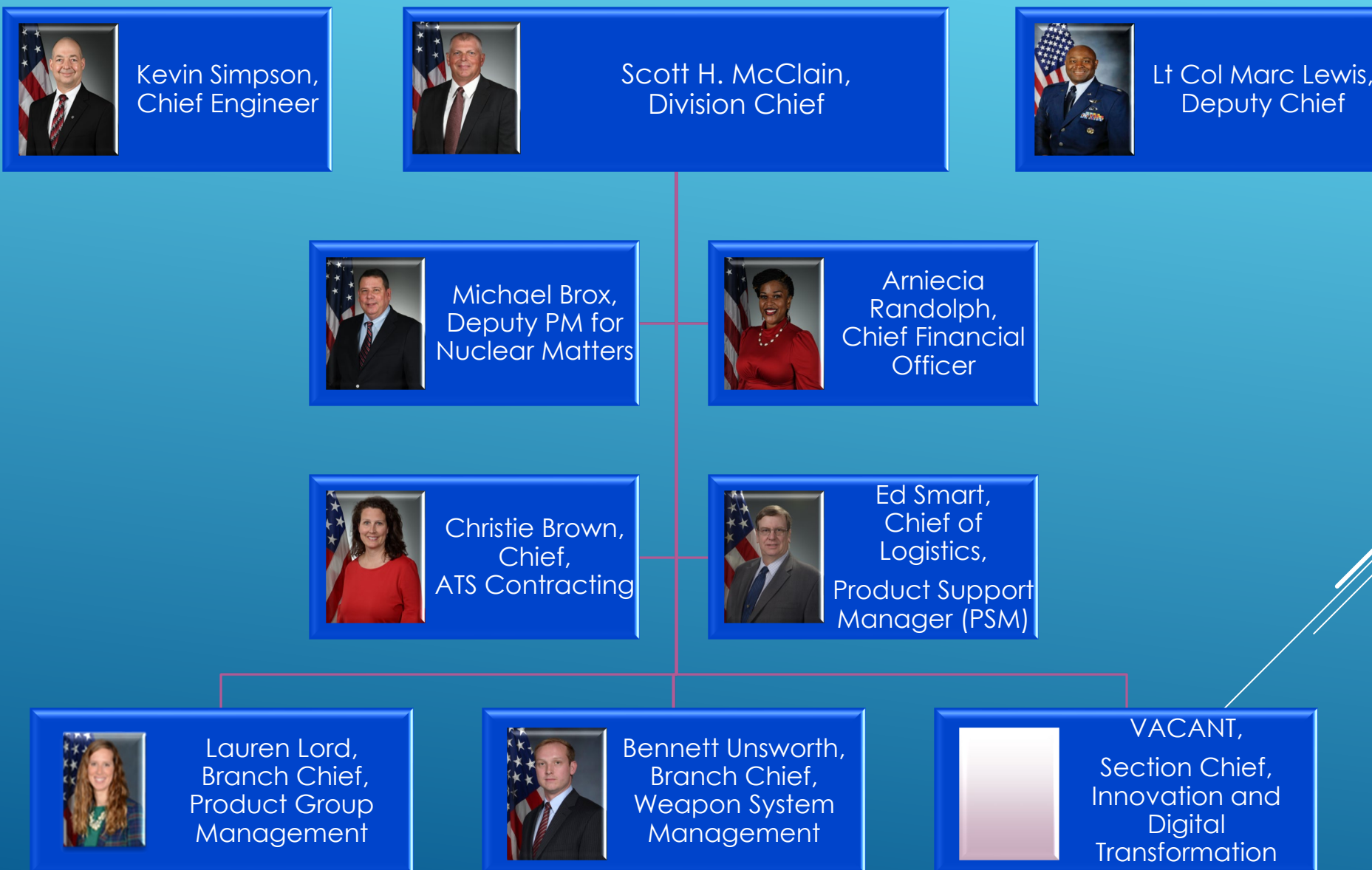
Mr. Jeffrey Thetford
Chief,
Intelligence



Ms. Eryn Turckes
Chief,
Test



ATS PROGRAM OFFICE LEADERSHIP TEAM





USAF ATS – PERSONNEL POSTURE



- AFLCMC/WNA personnel are in our long-term enduring posture
 - Hybrid work environment – telework and in office
 - All personnel are in office a minimum of two days per pay period (on average one day a week)
- Continuing to engage with contractors – Virtually and In Person
 - Relocated into consolidated space – Bldg. 300WW, Bay D
- Travel restrictions have been lifted for all personnel
- We will continue to deliver automatic test capabilities to the warfighter without interruption



USAF ATS – OPPORTUNITIES

ATS Acquisition (ATSA-I)

- Objective: Establish Indefinite Delivery/ Indefinite Quantity Multi-Award Contract encompassing full life cycle management
- Scope: 52 testers, 350+ tester types, ~8K fielded systems, and TPS development; 6 ATS capabilities, 3 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): 3QFY23
- RFP Release Date: 1QFY24
- Period of Performance: 10 years

Contract Information

Anticipated Contract Strategy:

- Estimated Contract Value: \$900M
- All contract types; task order specific

POC: Daniel Segno, (478) 222-1906



USAF ATS – OPPORTUNITIES

Common Armament Tester (CAT-F)

- Objective: Provide reliable, nuclear-certified, cyber-resilient armament tester for F-15, F-16, and A-10
- Scope: Comprehensive armament tester to perform full diagnostics of aircraft armament systems, bomb racks, and launchers

Business Opportunities

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

Schedule

- Materiel Development Decision (MDD): FY23
- Program Start: FY25
- Period of Performance: TBD

Contract Information

Anticipated Contract Strategy:

- Estimated Contract Value: \$267M
- Full and Open Competition

POC: Daniel Segno, (478) 222-1906



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, F-15, and F-16 platforms

Schedule

- Material Development Decision (MDD): FY23
- Program Start: FY25
- Period of Performance: TBD

Business Opportunities

- Modular Open Systems Architecture (MOSA)
- Potential to combine requirements with CAT-F

Contract Information

Anticipated Contract Strategy:

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

POC: Daniel Segno, (478) 222-1906



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
 - AF has developed a Government Reference Architecture for ATS
 - Received industry comments - Thanks for your inputs!
 - Revisions underway
 - Working to model in CAMEO using System Modeling Language
- 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



- Collaboration on pre-Request for Proposal (RFP) requirements
- Fully qualified proposals on first submission
- Adaptability within the contract to meet evolving cybersecurity requirements
- Contract execution strategy to address the high likelihood that Government Furnished Equipment (aircraft, Line Replaceable Units) are unavailable



QUESTIONS?

