



NDIA AUTOMATIC TEST COMMITTEE

USAF Liaison Report

31 August 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



AFSAC



Agile Combat
Support



Armament



Bombers



Business &
Enterprise Sys



C3I &
Networks



Digital



Fighters &
Advanced Aircraft



ISR & SOF



Joint Strike
Fighter



Acq. Excellence
Program Execution



Architecture &
Integration



Contracting



Engineering



Financial
Management



Mobility &
Training



Presidential &
Executive Airlift



Propulsion



Rapid Sustainment
Office



Logistics



Personnel



Plans &
Programs



Safety



Small
Business

ENABLING DIRECTORATES



Acq. Excellence
Program Execution



Architecture &
Integration



Contracting



Engineering



Financial
Management



History



Information
Protection



Intelligence



Inspector
General



Judge
Advocate



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



Col Jonathan Karoli
Chief, Combat Avionics



Lt Col Marc Lewis
Chief, Electronic Warfare



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



Ms. Danielle Wiseman
Chief,
Portfolio
Analysis



Mr. Ron Hannan
Chief,
Security



Mr. Michael Duron
Chief,
FMS



Mr. Jeffrey Thetford
Chief,
Intelligence



Ms. Eryn Turckes
Director of
Test & Evaluation



ATS PROGRAM OFFICE LEADERSHIP TEAM



Kevin Simpson,
Chief Engineer



Scott H. McClain,
Division Chief



Ed Smart
(Acting),
Deputy Chief



Michael Brox,
Deputy PM for
Nuclear Matters



Arniecia
Randolph,
Chief Financial
Officer



Christie Brown,
Chief,
ATS Contracting



Ed Smart,
Chief of
Logistics,
Product Support
Manager (PSM)

VACANT,
Branch Chief,
Product Group
Management



Bennett Unsworth,
Branch Chief,
Weapon System
Management



Daniel Segno,
Cell Chief,
Innovation and
Digital
Transformation



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): 4QFY23
- RFP Release Date: 2QFY24
- Period of Performance: 10 years

Contract Information

Anticipated Contract Strategy:

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

POC: Benita Hickey, Benita.Hickey@us.af.mil



USAF ATS – OPPORTUNITIES



Common Armament Tester (CAT-F)

- Objective: Provide reliable, nuclear-certified, cyber-resilient tester to execute fighter armament pre-load and fault isolation requirements
- Scope: Field Comprehensive armament tester providing pre-load and fault isolation test capability for A-10, F-15, and F-16 fleets adaptable to both Flightline and Backshop

Schedule

- Finalized Requirements FY24
- Program Start: FY25
- Period of Performance: TBD

Business Opportunities

ATS' first digital acquisition program

- Modular Open Systems Architecture (MOSA)
- Developed with ATS Government Reference Architecture (GRA)

Contract Information

Anticipated Contract Strategy:

- Estimated Contract Value: \$267M
- 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?

