

# NDIA AUTOMATIC TEST COMMITTEE

USAF Liaison Report 31 August 2023 Anthony Porter – BAE Systems









- Organization
- Personnel Posture
- Current Program Highlight
- Opportunities
- Future Trends and Issues
- Questions







SAE





ENABLING DIRECTORATES

#### EXECUTION DIRECTORATES



AFSAC



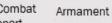






Digital





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Commander



Bombers

Exec. Dir.



Vice

Commander

Chief



Joint Strike Fighter



Information Protection

Personnel

Command Dir. of Staff Mobilization ANG Asst.

Asst.





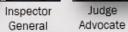


Engineering

Intelligence

Plans &

Programs











Financial

















Business

Networks

60

C3I &



Mobility & Presidential & Executive Airlift Training

Propulsion

Fighters &

Advanced Aircraft



ISR & SOF

Rapid Sustainment Office

History

Logistics





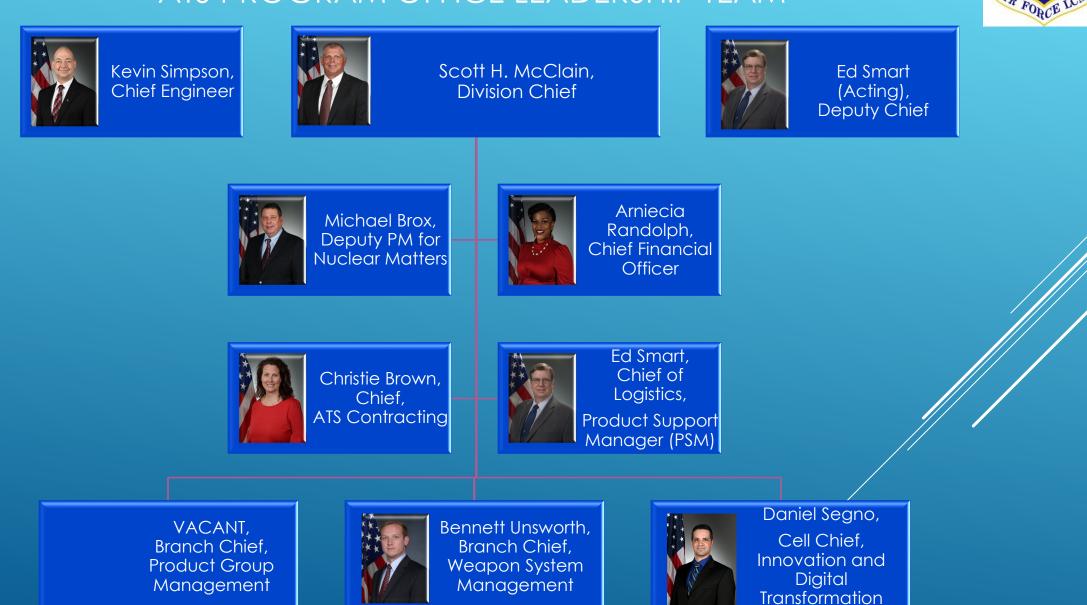
### AGILE COMBAT SUPPORT DIRECTORATE







## 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

#### Schedule

- Early Strategy and Issues Session (ESIS): 4QFY23
- RFP Release Date: 2QFY24
- Period of Performance: 10 years

#### **Business Opportunities**

- ATS Enterprise Contract:
- Large and small businesses
- Improved timeline to award
- FMS and non-FMS

#### **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, nuclearcertified, cyber-resilient tester to execute fighter armament pre-load and fault isolation requirements
- Scope: Field Comprehensive armament tester providing preload and fault isolation test capability for A-10, F-15, and F-16 fleets adaptable to both Flightline and Backshop

### **Business Opportunities**

ATS' first digital acquisition program

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

### Schedule

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

#### **Contract Information**

Anticipated Contract Strategy:

- Estimated Contract Value: \$267N/x
- 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





