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

AGILE COMBAT SUPPORT DIRECTORATE

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: F ield 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

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: $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

- 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?

- 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?