



**U.S. AIR FORCE**

**26 April 2016**

**USAF Liaison  
Report**

**Frank Bruno**

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# OVERVIEW

- Near-Term AF ATE Opportunities/Contract Vehicles
- USAF ATS/PGM updates

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- AF Budget
- AF News

# ATE Opportunities

## ■ Armament Testers (O-Level Testers/ I-Level Testers)

- Bomber Armament Tester (B-52/B-1/B-2); decrease the number of testers for each platform
- Draft RFP released 5 Feb; RFP release in early May

## ■ VDATS® Progress

### ■ VDATS® PRODUCTION & DELIVERIES:

- Approximately 111 VDATS fielded / in production for Legacy and New customer requirements
- Delivered for Legacy ATS replacements: 64 Digital-Analog (DA) stations
- Delivered for new workload requirements: 36 DA stations
- Being Manufactured for Legacy and New requirements: 11 DA stations

### ■ VDATS® CORE CONFIGURATIONS: DA-1 and DA-2

- **VDATS Customers:** AF Depots (Robins ALC, Tinker ALC and Ogden ALC), Tobyhanna Army Depot and currently one intermediate level location

- **VDATS® TPS REQUIREMENTS:** All TPS efforts (Contractor or Organic) must be developed IAW the VDATS® TPS Style Guide & MIL-PRF-32070A

- Approximately **1006 TPSs** developed and approved for production, and used on VDATS®

- VDATS® currently supports over 30 weapon system program workloads for numerous weapon system platforms such as:

**A-10, AC-130, B-1B, B-2, B-52, C-130J, C-17, C-5, E-8 (JSTARS), F-15, F-16, KC-135, MC-130H, Navy: EP-3, P-3C, SH-60B, UP/VP-3A, Navy Ships: OC-135, and UH-1N**

# ATS PGM Update

## ■ JSECST

- Production of 670A testers & retrofit kits = 75 delivered to date
- Retrofit kit installation validated

## ■ CBATS Progress

- PXI based systems with 2 configurations
  - 101 (70) deployed at Hill AFB and Kadena AFB
  - 201 (54) deployed at Hill AFB, Kadena AFB, and Robins AFB
    - CBATS DXR Roll-up – In-use at Ogden ALC

## ■ ATS Challenges

- **Cyber Security (aka Information Assurance)**
  - Requirement for ALL ATS systems
  - Improvements for legacy ATS
  - Standards for future ATS acquisitions

**NOTE: Embedded Systems at risk, Study launched to focus on RPAs.  
(Scientific Advisory Board)**

## ■ Changes in ATS Leadership

- ATS Division Chief: Jimmy Bailey
- ATS Deputy Director: **vacant**



**U.S. AIR FORCE**

**Spring 2016**

**USAF Budget  
&  
Notes**

# FY-17 Budget DoD Request

- **AF \$154.6B; Plus \$12.3B OCO = \$166.9B**

- O&M \$46.9B
- Procurement \$22B
- R&D \$19.6B + Part of the 3rd offset Strategy \$2.3B increase over FY16

\*SE budgets buried within weapon system programs

- **FY17 Budget: \$17B cut based on 2-year budget deal**

- **Some highlights**

- Deferring (5) F-35s to (43) vs. (48)
- Slow C-130J procurements
- Defer A-10 retirement to ?
- Fully fund LRS-B and KC-46
- Add funding for Munitions: SDB, Hellfire and JDAM
- Increased \$\$ for Cyber
- Active Duty: 317K; Unfunded requests to grow Active to 321K
- \$7.2B unfunded requests to buy back F-35s, C-130J, F-16 upgrades...

# FY-17 Budget

- **House and Senate reviewing FY-17 Budget requests by DoD and Admin**
  - Sequestration is biggest threat to DoD and National Security (per Carter)
  - Kendall “Greatest threat to US is lack of a reasonable Defense Budget”.
    - Technology edge being eroded
- **Nuke Triad modernization**
  - Need \$700B over next 25 years
  - Currently takes \$20B a year to maintain
- **AF to test New Total Force Organizational Structure**
  - Integrated Wing
- **AFMC Initiative 3<sup>rd</sup> Offset – Leverage New Technologies**
  - Increase agility
  - Drive cost effectiveness
  - Reduce timelines

# AF Notes

- **F-35**
  - IOC moving from Aug to Dec 2016 (per Lt Gen Bogdan)
  - 43 AC FY17, 44 AC FY18, 48 AC FY19/2; International sales to fill in...
- **KC-46A Tanker (Pegasus)**
  - First KC-46 Flight 25 Sept 2015; McConnell AFB first KC-46 base
  - Production 179 aircraft thru 2027 (15 AC a year); IOC in 2017
- **LRS-B (B-21)**
  - NGC awarded the LRS-B; IOC 2025; Nuke certified 2026
  - Plan 80-100 AC or less, Plan 16-20 AC per year, 5 Lots; First lot 21 AC
  - AFGSC/CC says 100 is the minimum; Sweet spot closer to ~200
- **T-X Trainer Program**
  - RFP: expected Dec 2016
  - (FYDP FY17) \$600M in next 5 years, Award FY18, IOC 2024
- **JSTARS Replacement**
  - Raytheon and NGC awarded NTE contracts for radar
  - Award late 2017 / early 2018; 17 jets built by Gulfstream, Bombardier, or Boeing
- **New AF-1 in work at Boeing; Operational 2019/2020**
- **AF wants a dedicated A-10 replacement i.e. A-X**



# AF Notes (Cont'd)

## ■ 6<sup>th</sup> Gen Fighter

- In service 2045
- Likely not a joint program
- May or may not be hypersonic

## ■ Top AF R&D efforts for FY15

- Hypersonic
- Autonomous Flight
- Directed Energy Weapons
- Fuel efficient Engines
- Cyber protection

## ■ AF initiatives

- “Bending the Cost Curve” to drive costs down
- “Should Schedule” to field capabilities sooner...

## ■ BRAC

- AF "needs" another round of base realignment and closure, Miranda Ballentine, ass't secretary of the AF told lawmakers Thursday. Ballentine, speaking before the Senate Appropriations Committee's Military Construction, Veterans Affairs, and Related Agencies Subcommittee, said the service has reduced the number of its combat-coded fighter squadrons by nearly 60 percent—from 134 to 55—since the Gulf War, yet BRAC has reduced USAF bases by only 15% during that time.



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