



U.S. AIR FORCE

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**USAF Liaison
Report**

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AGENDA

- Near-Term ATE opportunities/Contract Vehicles
- Logistics Transformation/USAF RE21 Status
- USAF ATS updates
- News
 - Administration Focus and goals
 - 2010 - 2011 Budget AF Spending Plan
 - Top 5 AF programs
 - AF AC news
 - AF Personnel/Org changes

Near-Term ATE opportunities/Contract vehicles

■ F-15 ESTS Modernization

- Award Spring 2010
- Competitive Small Business **1000**

■ A-10 Common Armament Tester (CAT)

- A-10 Spec defined. A-10 launch point for a universal armament tester.
- Initial funding FY10
- PR Package under Review for Potential study
- Three phase procurement
 - Independent review of sources/proof of concept (CY10)
 - Follow-on TPS demo
 - Production FY12 - FY14

■ VDATS PBA

- PBA/PBL (BTP, new builds, Parts Availability)
- IDIQ 5 year contract (3+2)
- ~15 Systems to be built yearly for new opportunities
 - RFP 4 Sept 09
 - Proposals submitted 1 Feb, Award summer 2010
 - Small Business Competitive Set-aside, Size factor **500**

Near-Term ATE opportunities/Contract vehicles

- **WR Small Business Acquisition & Sustainment Tool (SbAST) (WR Only)**
 - SB contract NAICS 336411 1500
 - 5 yr IDIQ 3 basic +2 year options
 - \$402M IDIQ
 - 5 Contract awards
 - Award Summer 2010
- **Hill AFB DESPIII RFI**
 - IDIQ Eng, Tech, Support Services
 - Can be utilized by ALL DoD agencies
 - OSD review
 - RFP expected April 2010 Award Summer 2010
- **BRAT PBL**
 - 5 yr. Contract
 - Procurement Pan
 - BCA ASP still in review
 - RFP May 2010
 - Award Dec 2010
 - Issue of data, to level playing field, is being addressed

Logistics Transformation - News

- **GLSC and ECSS** the new enterprise system for improving over-all Supply Chain Management.
- **ECSS will enable a single data entry for Logistics info. (Will replace over 240 existing Mx and Logistics databases)**
 - Pilot roll out in 2010 Hanscom AFB, 12-18 Month pilot with FOC planned 2013
 - Seimens **“Team Center”** Key software tool for managing Tech Data and Data Management.
 - Other services will be linked via a common commercial software called “SCORE”
 - First ECSS sites Ellsworth AFB (B-1B) and Gunter AFB
- **RE 21 Repair Enterprise (Regional Repair Centers and ALC - field to depot repair support).**
 - Ultimately USAF to stand up (10) CONUS CIRFs (5) Active, (1) ANG and (4) Integrated
 - Repair Network Integration (RNI) (delayed ~ 1 year)
 - Phased Implementation for Commodities and Weapons Systems
 - Multi-year journey- Working Enterprise Management activities and Standardization processes first
 - Shape and size Network next (CRFs)

ATS Policy Updates

- **AF continues to pursue standard ATS solutions through DoD standard family of testers**
 - AF standard tester – VDATS
 - AF focus on providing VDATS as ATS solution for new and legacy weapon systems
- **Next focus are is on retiring some of the 300+ legacy systems**
 - Worst sustainment issues tackled first
 - Gap analysis and Business case analysis are being performed on a Case-by-case basis
 - Multiple WR Depot systems retired and over 100 TPSs have been rehosted to VDATS to date
 - COMETS
 - Watkin Johnson
 - Replacement of JSTARS DATSA is funded

USAF ATS Policy/Plan

- **ATS Product Group Manager (PGM) has policy oversight for all AF ATS**
 - Most AF ATS being managed by the ATS Program Office
 - Notable exceptions:
 - EW Test migrating to the ATS PGM now
 - Elements of Armament Test to remain under Armament Divisions
 - Other weapon system specific examples exist
 - Exceptions to standard family policy require waiver
 - Waivers must be granted by the PGM

- **Funding profile for ATS realized**
 - A4/SAF ATS PEM assigned LTC Robert Flinn PE
 - ATS PGM controlled funds moved to new PEC
 - Funding streams being moved to ATS PEC as they are identified

- **WR SIL/Integration Lab fully operational by Spring 2010**
 - Software Updates, Obsolescence and New Technologies
 - New Technologies
 - help drive down cost of Test
 - ATS PGM focal point for initial discussions on new technologies

- **ATS PGM study to look at a CASS/VDATS Hybrid interface to VDATS**
 - Desire is to build an Interface from CASS to VDATS
 - to provide improved inter-service worldwide deployment support.
 - ability to run CASS TPS on VDATS and visa versa.
 - Goal a DoD family of testers versa just Service families
 - Desires:
 - Want a common Hardware and software interface.
 - Operating System that is MS windows independent
 - ATML
 - Common UUT Interface
 - DoD Library of TPSs
 - Analyze TPS for interface and instrument Requirements
 - Possibly define a new interface standard under this effort.
 - Looking for whitepapers
 - Potential funding available 2012
 - ATS PGM defining RDTE CASS EOSS to VDATS effort

VDATS Requirements

- **Selected VDATS program requirements**
 - B-2 – from 1-6 DA-2s (dependent on EW upgrade)
 - B-2EHF- from 1-3 DA2s
 - F-15 IFF – 1 DA-2/1 RF-1
 - F-16 IFF – 1 DA-2/1 RF-1
 - Global Hawk – 5 DA-2/2 RF-1
 - LAIRCM – 2 DA-2 and development of EO roll-up
 - Kadena Mini-Depot/CIRF – 2 DA-2/2 RF-1
 - Space Crypto – 1-5 DA-2
 - B-1 – 8 DA-1/RF-1(OC-ALC Avionics)
- List is growing weekly
- 32+ VDATS built and on the floor at WR-ALC

Transformation Initiatives

ATS Roadmap Plan of Attack

■ O-Level Maintenance – ID Families of Diagnostic Tools

- Reprogramming Tools
- Line Analyzers
- Armament Testers
- Flight Control Testers
- Navigation/Targeting Testers
- EW

Head of Family by Diagnostic Tool Type

■ Depot Level Maintenance – ID Standard Depot Testers Under RNI

- VDATS
- Others

Increase Production Flexibility
Focus on Generating LRUs/SRUs – Not Fixing ATE

■ Future Weapon Systems – what diagnostic tools/technologies are required to support the CSAF acquisition priorities

- KC-X
- Satellite
- Etc

Synthetic Instruments
High Speed Fiber
Sensors

Transformation Initiatives

Rand Study

ATS Roadmap Way Forward

■ RAND Study

- Dec 08: WR-ALC/CC and Air Staff approved RAND for first phase of the program
- RAND placed on contract Feb 09 to examine ATS Environment and develop strategy for standardizing ATS Infrastructure

■ RAND Study Scope

- Develop comprehensive inventory of legacy ATS
 - Project future force structure and flying hour programs based on Defense Planning Scenarios
 - Estimate LRU/SRU tester workloads by tester type across the planning horizon
 - Identify quantity of standard testers required to satisfy tester workloads
 - Develop an economic analysis to determine when transition is cost-justified
 - Develop a migration schedule to determine when to transition workloads from legacy testers to a new tester platform
 - Development of a roadmap & implementation plan for moving legacy ATS to the Standard Family
 - Develop comprehensive enterprise approach for evaluating options for migrating individual weapon system ATS to standard family
- #### ■ RAND Update briefing to WR April 2010

News- Budgets and Programs

■ Administration Insight and focus

- Shift away from Expensive Weapons systems to more cost effective equally capable systems.
- Acquisition Reform
 - More Competition, less Sole Source, More SB
 - Dollars from various services to support the big picture
 - Wants faster fielding more “Fly before you buy”
 - 80% solution now versa 100% perfection
 - Rebuild procurement corps. Not just a AF/DoD Problem
 - More Organic capability – less outsourcing
- Future of Military Tactical aircraft will be F-35 and UAVs

■ All Programs on the table for review and possible cuts

- If it does not contribute directly to fight terror or irregular warfare possibly at risk.
- Move away from Supplements

- FY11 Budget will define Obama Administration
 - Congress has asked for an Independent review of QDR results
 - Budget driven exercise??

■ President signed new acquisition Reform

- Programs Terminated if exceed 25% of original cost (Nunn-McCurdy)

AF 2010 Budget

- **President's signed \$636.3B Defense Appropriations Bill 22 Dec**
 - \$128.3B War efforts
 - Included appropriations issues on Second Engine for F-35 and additional C-17s*
- **AF focus**
 - Irregular Warfare, joint fight, support to combat CCs
- **AF Budget \$160.5B**
 - Retire 254 AC (F-15, F-16, and A-10) over next 5 years
 - Congress wants independent review
 - Reduce Fighter wings in 2010 by 3.5 Wings
 - Increase UAVs (Predator/Reaper) and Funding for MC. HC, C-130, CV-22, (8) C-27 and (10) C-17
 - Increase Special Forces
 - Increase ISR
 - Halt AF personnel reductions, Total force at 333,000

Budgets

- **Budget Crunch coming (2011-Beyond) ???(Maybe averted)**
 - Predictions – Sharp cuts in Defense Spending
 - Factors
 - Personnel Cost
 - Large ongoing procurement costs
 - Debt Serving
 - Expect 30% cut in buying power by 2013
 - SASC “Painful adjustments” expected to accommodate National Economic problem
 - AIA Optimistic about future of Aerospace near term.
 - Downturn not as dramatic as 1990s
- **Preliminary QDR input**
 - Expect Flat Budgets “Zero Growth” 2011-2015 “Gates”
 - QDR and 2011 Budget delivered to Congress Feb 2010
 - There is \$60B Shortfall in meeting Defense Plan FY11-15
 - Admin to provide \$100B to cover shortfalls, Increased personnel cost, modernization, and \$ for LRS.
- **FY 2011 Budget inputs**
 - Blend of Requirements/Preliminary QDR
 - Spending plan thru 2015 included
 - Expect a 1% growth in DoD Budget over inflation thru 2015
 - DoD reviewing FY 11 Def. Budget for potential Cuts or Curtailment to selected programs
 - Criteria Cost, Schedule and performance

FY-10 Budget Cont.

■ Preliminary QDR Direction

- No Major Force structure changes for 2011 Defense Spending
- Average growth rate at 4% NOTED Cannot be sustained
- Impact of Domestic Budget on Defense Budgets a matter of time

■ Contractor support to DoD to be reduced by over 10%. More DoD Organic capability

- Realign 11000 Acquisition Contracting jobs to DoD
- Hire 9000 Acquisition Officers
- Hire 30000 new Civil Servants to replace support Contractors

Draft FY 2011 USAF Defense Budget (Highlights)

- FY-11 Defense Budget \$708B Core budget \$548B, \$159B for War efforts
- \$11.0B for (42) F-35
 - Recommends killing Second Engine effort and C-17 additive
 - Gates fires F-35 PD and withholds \$614M from LM
- \$4.0B for New Long Range Strike Bomber (2011-2015)
 - No procurement \$ until after 2020
 - Includes Research for new Cruise Missile
 - Upgrades for B-52 and B-2
 - Enhance Prompt Global Strike
- Increase Purchase of MQ-9 Reapers
- \$6.3B for Special Ops
- \$9.9B for Missile Defense
- \$2.7B for ISR
- \$11.B for Nuclear Enterprise
- Unfunded Requirements \$548M (Wartime additives and Depot Mx B-2, B-1, KC-135, C-5 A-10)

- 20 year look ahead
 - Manned Fighters to decline by 10% 2010-2020
 - UAVS to be quadrupled during same period
 - 3% average growth of DoD Budget
 - Aviation Programs 2011-2020 \$268B
 - DoD forecast for aviation “Robust & Stable”
 - Fighter, Bomber, airlift, ISR platforms stable numbers

News –Budget and Programs

- **Top 5 USAF requirements:**
 - **KC-X Tanker Replacement TOP AF Priority**
 - RFP released 24 Feb 2010 (FFP contract) 75 day response
 - Award planned 4th Quarter FY10
 - AF acquisition with “Robust OSD Oversight” “Best Value” FFP
 - 179 AC – First AC to AF 2015 – IOC 2017
 - 15 year build in 5 Lots
 - First flight 2012, first lot FY13, First AF AC delivery 2015
 - KC-Y and KC-Z to follow – To replace remaining KC-135s and KC-10
 - NGC/EADS No Bid no Protest
 - EADS may respond to RFP
 - **CSAR-X – Terminated**
 - Gates directed Study to determine if Joint potential
 - Looking at Options - CV-22, Others
 - AF to retain a CSAR mission
 - **Satellites for Early Warning/Com - Refocused**
 - **F-35 –Production (2400 - 3 services) Number reduced if Cost is not stabilized**
 - DoD focusing on cost and schedule growth impact delays in F-35 program.
 - Gates fires F-35 PM and withholds \$614M from LM, Extends Development/Testing phase to 2015
 - New F-35 PD Lt. Gen. Venlet NAVAIR
 - DoD pressing LM for FFP Production
 - LRIP numbers reduced and Full rate production delayed until Nov 2015
 - **AF IOC now 2016 (2-3 year extension)**
 - All services now looking at extending service life of legacy AC.
 - F-35 to exceed 25% Cost growth 1 April
 - **NGLRS (Driven by QDR)**
 - FY11 Budget \$1.9B for R&D of new Bomber
 - No new bomber until after 2020 (Still corner stone of Nuclear Deterrence)
 - Navy and AF developing a new LRS capability

Aircraft Activity-News

- **AF “Technology Horizon” 2030 Study**
 - **Initial Briefing to AF leadership Feb 2010**
 - **Themes for 2030 AF**
 - Manned versus Unmanned (MAVs)
 - Larger to smaller systems
 - Composable Systems (Adaptable 75-80% solutions systems in weeks versus years)
 - Hypersonic Engines Mach 6+
 - Automated Logistics (to reduce manned involvement)

- **JSTARS – AoA to either sustain, modernize or Replace**
- **F-15, B-1B, B-52H and C-17 all certified on Synfuels**
 - All AF AC certified 2011
- **AF to replace UH-1N Huey Helo FY-12 (CVLSP)**
 - 93 AC by 2015
- **OA-X Light Attack Aircraft**
 - RFI Summer CY09
 - RFP potential late FY10 Award Late FY11
 - Upwards of 100AC
- **New Cruise Missile in planning**
- **A400M Program cost/schedule delays being addressed by Euro Countries**
- **NASA Space efforts refocused**
 - Private Industry to pick-up the load
- **F-15 Fatigue Tests to be completed by 2014**
- **A-10 Fatigue Test**
- **NOTE:** Russia PAK FA (T-50) 5th Gen fighter first flight IOC 2015. Plus China’s F-12
New Strategic bomber planned 2025-2030

AF News

- **30 Year AC Acquisition look-ahead to 2040**
 - **\$2B-\$4B per year to develop new Bomber 2020+**
 - AoA in work now
 - **F-22 Upgrades**
 - **F-35 AF Fleet size (1763) (602) AC by 2020**
 - **MQ-9 (372) AC between 2011-2018**
 - **RQ-4 (35) by 2017**
 - **C-17 (223) (91) modernized C-5**
 - New cargo AC effort after 2015

AF Personnel/Org. Changes

■ Global Strike Command Stood up 7 August

- HQ Barksdale AFB LA.
- Lt. General Frank Klotz new GSC/CC
- MAJCOM
- Operating Budget \$4.2B Recent additives of \$750M
 - \$400M for nuclear infrastructure upgrades, (Missile focus)
- Responsible for Nuclear mission for B-2, B-52 and ICBM
 - 450 ICBMs transferred to GSC 1 Dec
 - Nuke capable B-2 and B-52 to transferred from ACC to GSC Feb 2010

■ AFMC Reorganization

- Going back to Directorates, Divisions and Branchs versa WGS.
- Implemented 30 June 2010

■ Cyber Security NAF

- Lackland AFB TX activated 25 Jan 2010
- Cyber Command NAF under US Space Command



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