



U.S. AIR FORCE

13 Sept 2009

**USAF Liaison
Report**

Michael Frey

AGENDA

- Near-Term ATE Efforts/Contract Vehicles
- Advanced Fuels
- Logistics Transformation/USAF RE21 Status
- USAF ATS updates
- News
 - Administration Focus and goals
 - 2010 Budget AF Spending Plan
 - Top 5 AF programs
 - USAF Modernization/Sustainment Programs
 - AF Personnel/Org changes

Near-Term ATE/Vehicles

■ F-15 ESTS Modernization

- ~\$40M upgrade effort over 3 year period
- F-15 SPO WP running procurement/WR assist
- Award date moved right
- Competitive Small Business

■ A-10 Common Armament Tester (CAT)

- Spec defined. A-10 launch point for a universal armament tester.
- Initial funding FY10
- Paper work in contracting (Possible move to the right)
- Three phase procurement
 - Independent review of sources (CY10)
 - TPS demo
 - Production FY12

■ VDATS PBA

- PBA (BTP and Parts Availability)
- Will Evolve into PBL
- IDIQ 5 year contract (3+2)
- ~15 Systems to be built yearly for new opportunities
 - RFP 4 Sept, due 5 Oct, Award 1st Qtr. CY10
 - FFP
 - Small Business Competitive Set-aside, Size factor **500**

■ ARTS (Advanced REW Test Station) B-1B

- REW, DAAE, RF DAAE into one station
- Spec Inwork, 06 Spec being reworked
- Performance based spec, all options being reviewed
- ATS Policy review after Spec is completed.
- Impact from RAND Study
- FY11 funding, Jan 11 RFP Award Summer 11

Near-Term ATE/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
 - Planned schedule
 - RFI issued 4 August
 - RFP responses due 27 Oct
 - Award Feb 2010
 - WRALC.PKF.SBMODPGM@Robins.af.mil
- **Hill AFB DESPIII RFI**
 - IDIQ - Building (Procurement plan)
 - RFP FY10 timeframe
 - Eng, Tech, Support Services
 - Can be utilized by ALL DoD agencies
 - Industry Day OO 7-9 July
- **BRAT PBL**
 - 5 yr. Contract
 - RFP moved to the right
 - To be briefed at WR Requirements symposium 17-19 Nov. 2009

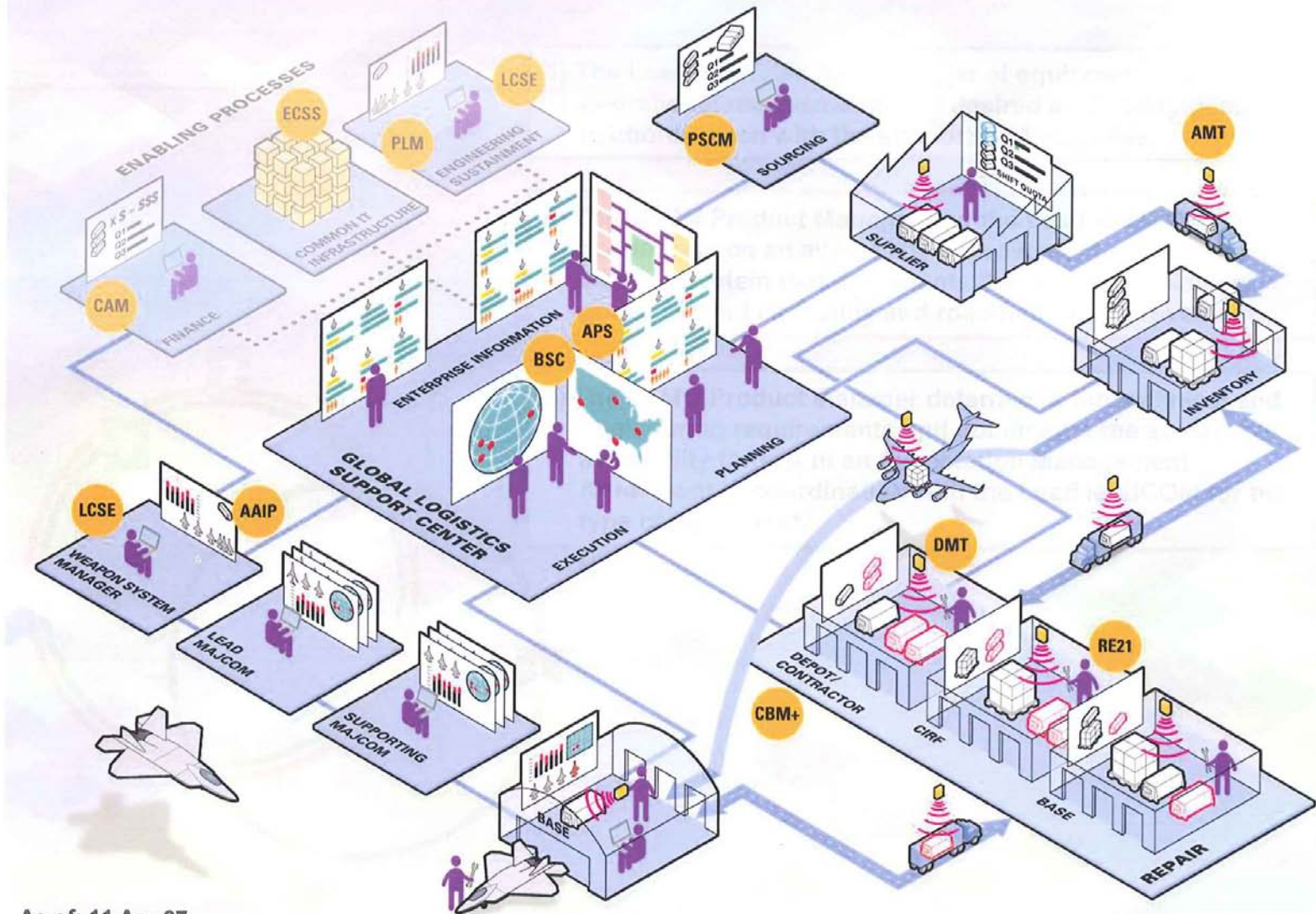
Advanced Fuels - Test Opportunities

- **Alternative Fuel Certification Office (AFCO)** established at WP AFB
- **USAF Advanced Power Technology Office (APTO)** Located WR-ALC
- **OSD is over-all lead for US and oversees efforts from other Services.**
 - Looking for new ideas to demo and test. Many sources now being validated
- **Hickman AFB HI - Demonstration Center** for all approved new energy sources. **Validate and help certify.**
- **Numerous upcoming SBIR efforts for Industry thru APTO and AFRL --Looking for white papers**
- **www.robins.af.mil/units/apto.asp for details**
- **Dollars are coming from Congress and RT&E funding.**
- **Obama Stimulus plan has funding for Research in Renewable energy**
- **Activities to date**
 - USAF and Eielson AFB in Negotiations with Alaska to build F&T Refinery on Federal Land
 - F-22 GTL , C-5 Syn Blend Jan 09 Bulk of AF AC have flown on Syn Blends
 - Commercial Airline consortium to further development of Syn Fuels
 - Honeywell/Boeing Jatropa Plant, Algae - Continental 737 CFM 56 8 Jan 09
 - 3 Dec Air New Zealand 747 Flight test
 - Test revealed ~2% fuel savings on 6K flight
 - 60% less greenhouse emissions
 - On target for 10% use of alternate fuels by 2013
 - JAL 747 Flight test Jan 09 (Expect utilization by Airlines in 3-5 years)
 - USAF to use Commercial A Aviation fuel in lieu of JP8.
 - NOTE: USAF uses 2.5Billions gallons of JP8 a year.
 - ONR - Hydrogen power fuel cell UAV tested "Ion Tiger"
 - Hydrogen Fuel Cell powered UAV "Boomerang" (Bluebird Aero/Horizon Fuel Cell)

Logistics Transformation - News

- **GLSC and ECSS the new enterprise system for [improving over-all Supply Chain Management](#).**
 - Global Logistics Support Center GLSC (The POC for all other functions noted) i.e. the quarterback. (USAF Lead USAF/ILM)
 - [New AFMC CC has settled issue of realignment of personnel to ALC and GLSC](#)
- **ECSS will enable a single data entry for Logistics info. (Will replace over 240 existing Mx and Logistics databases)**
 - Begin roll out in 2010 with FOC planned 2013
 - COTS tools, CSC leading effort
 - AF will adapt Mx Logistics procedures to COTS systems
 - [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)**
 - SecAF has directed USAF to expedite the RE21 process.
 - ALCs stood up 1 Oct. 2007
 - Ultimately USAF to stand up (10) CONUS CIRFs (5) Active, (1) ANG and (4) Integrated
 - **Bases Repair Network (still in work) for CONUS CIRFS (delayed ~ 1 year)**
 - Active/ANG/AFRES
 - Regional Supply Centers already established (1) Langley (1) Scott
 - [Repair Network Integration \(RNI\)](#) path forward ([Part of RAND Study](#))
 - Phased Implementation for Commodities and Weapons Systems
 - Multi-year journey- Working Enterprise Management activities and Standardization processes first
 - Shape and size Network next (CRFs)

AIR FORCE "TO BE" LOGISTICS PROCESSES



As of: 11 Apr 07

OPR: A4I

USAF ATS Policy/Plan

- **ALL ATE falling under control and Management of ATS PGM**
 - OO/OC ATE to be managed by WR ATS PGM
 - EW Test migrating to the ATS PGM now
 - Elements of Armament Test to remain under Armament Divisions

- **Col. French's Group - elements to migrate to Global Logistics Support Center**
 - Realignment issues reviewed and resolved by AFMC/CC

- **Funding profile for ATS being realized**
 - **A4/SAF ATS PEM assigned LTC Thompson and PE coded Jan 09**
 - Funding is flowing for VDATS
 - \$22M in FY08 GWOT for VDATS to include an Integration Lab
 - \$270M being POM for out year VDATS requirements beginning in FY11
 - \$23.9M ATS unfunded requirements FY10.
 - Effects New requirements, no impact on VDATS

- **WR SIL/Integration Lab to stand-up by Spring 2010**
 - To review new technologies to help drive down cost of Test

VDATS Procurements

- **VDATS program requirements beyond Robins AFB**
 - **B-2 – from 1-6 DA-2s (dependent on EW upgrade)**
 - **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**

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 RE21

- VDATS
- LMSTAR
- Others

Increase Production Flexibility
Focus on Generating LRUs/SRUs – Not Fixing ATE
Implement PBL Support to Buy ATS Availability

■ 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
- Dec 08: RAND initiated data collection both in the field and depots

■ RAND Study Scope

- Build a roadmap for Standardization across the ATE Logistics Enterprise
- Build an ATE model for VDATS around entire B-1B ATE needs
- Expand study of how VDATS could be migrated to other AC
- Look beyond Avionics testing and get VDATS recognized as more than an Avionics tester.
- Work the Repair Network Integration effort to shape and size ATE needs for CRFs
- Work the Consolidated Asset Management CAM Process

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
- Launched QDR in Feb 09
 - Results plus FY11 Budget will define Obama Administration
 - Hints are in the FY10 “Reform Budget”
 - Congress has asked for an Independent review of QDR results
 - Budget driven exercise??

■ President signed new acquisition Reform

- Programs Terminated if exceed 50% of original cost

AF 2010 Budget

- **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
 - Reduce Fighter wings in 2010 by 3.5 Wings
 - Increase UAVs and Funding for MC. HC, C-130, CV-22 and (8) C-27
 - Increase Special Forces
 - Increase ISR
 - Halt AF personnel reductions, Total force at 333,000
- **Specifics “Reform Budget”**
 - C-17 shut down line at 205 AC
 - CSAR-X Terminated, possible funds to readdress in QDR
 - CSAR may become a Joint operation
 - F-22 Shut down line at 187
 - Transformational Sat’l Canceled
 - Funding for more proven technology platforms
 - F-35 Second Engine recommended Cancellation
 - ABL Reduced to one AC, Missile Defense program cut
 - No Funding for NGLRS 2018 Bomber
 - Funding for upgrades to B-1, B-2 and B-52
 - \$\$ for new flight software for F-16, A-10, Radar F-15 and modernization of F-22

Budgets

■ Budget Crunch coming (2011-Beyond)

- Predictions - cuts similar to 1970s and 1990s
- Signal will be end of Emergency Supplemental
 - Do not expect future supplemental to fill requirements
- Over all budgets to level off and decrease in coming years.
 - Expect 4%-5% growth in near-term - level to negative going forward
- Expect tough decisions on new programs going forward.
- AF wants early data rights to new products to allow ALC organic support.

■ Preliminary QDR input

- Expect Flat Budgets “Zero Growth” 2011-2015 “Gates”
- There is \$60B Shortfall in meeting Defense Plan FY11-15
 - Cuts in other non-essential programs to make up differences

■ FY 2011 Budget inputs submitted August

- Blend of Requirements/Preliminary QDR
- Spending plan thru 2015 included
- OSD and Services deliberating

■ Realignment of ~\$1.0B from All services to support Army Personnel build-up.

- Monies from Each Services Contingency FY10 Budget

FY-10 AF Budget +

- DoD Budget –
 - \$~640B** - USAF portion ~ \$160.5B
 - \$128.2 Wars cost, \$512.2 Core Budget
- All Cuts/ Additives etc must be approved by President and Congress
- “Last Supplement”? approved \$84B +\$22.6B

USAF 2010 “Reform Budget”

- Terminations and Cuts
 - F-22 stopped at 187 Aircraft “Yogi effect”
 - End of line Spring 2012
 - C-17 Stopped at 205 Aircraft
 - (8 AC) HASC added in War Supplemental**
 - SAC added (10) AC FY10 Budget**
 - CSAR-X Cancelled (Possible revive as Joint program?)
 - ABL program stopped. No 2nd AC, 1 remaining for R&D,
 - Missile Defense Cut \$1.2B
 - AF looking at ALHK Concept as back-up to above
 - Kill Transformational Satellite Program (Focus on Extremely High Freq Com Sat’L)
 - Retire over 254 Legacy Fighters in FY 10-2014
- Delayed
 - NGLRS 2018 Bomber Pending QDR results - need more requirements definition
- Survivors
 - Tanker Program to restart this year with award planned by early CY 2010
 - No Split Buy? Gates to provide Congress with plan by 1 Oct.
 - \$440M for Tanker program
 - Congress wants to expand yearly buy to 36 AC**
 - F-35 Increase production and purchase quantity to 2443
 - Congress trimmed near-term quantities by \$532M**
 - Congress Added \$560M for second engine**
 - Maximize UAV production Predator and Reaper

FY-10 Budget Cont.

- **Congress added~\$1.0B for More Cargo/VIP Jets****
- **NOTE: VH-71 Cancelled- Possible New program and competition?**
 - **First 9 Helos delivered to LM 29 April**
 - **Congress wants to fund (5) to operational status****

- **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**

NOTE: House and Senate Additives/Deletions subject to Further Presidential review Full Appropriation Committee began deliberations 10 Sept**

News –Budget and Programs

■ Top 5 USAF requirements:

■ KC-45A Tanker Replacement

- SECDEF wants award in CY 10

- DRFP Pending

- Pentagon to propose procurement approach by Oct

- Congress versa Pentagon on how to proceed

■ CSAR-X - **Terminated**

■ Satellites for Early Warning/Com - **Refocused**

■ F-35 –**Increased Production (2443)**

■ NGLRS (2018) No Funding **Delayed until completion of QDR**

■ AF focus going forward/Impacts

- Shifting to Irregular Warfare, USAF in a Support Role, “era of persistent conflict” IW strategy to be released this fall.

- QDR to address force structure changes, due in Feb 2010

- Expect a smaller CAF going forward

- **USAF Aircraft Mission Readiness rates are declining at a cost of 87% increase in Dollars to sustain an older fleet.**

- **Depot \$ for Maintenance now funded at 74% of the requirement.**

Modernization/Sustainment/Retirements

■ Modernization/Sustainment efforts

■ F-22

- Software upgrades in Work

■ F-35 “Last Manned Fighter”?

- \$2.1B LRIP Lot 3 17 AC US and FMS
- 2443 (US) 730 (FMS) Current plan
- 2010 first USAF AC
- 2015 FRP Planned, Automated moving line (1 AC per day) Min Prod 110 a year, Goal 240+ a year.
- Bases selected: Hill, Moody, Mountain Home, Shaw, and Eielson AFB

■ F-15

- “Silent Eagle” First flight 1st qtr. 2010

■ A-10

- Worse than expected, Structural repair required 242 AC beginning FY11-FY16

■ KC-135E - Retire (80) AC by end of Sept 09 (Possible recall)

■ NOTE: Significant AF Legacy AC retirements to begin in 2010

■ F-15 fleet by one-third 112 AC

■ F-16 Fleet by 15% 134 AC

■ A-10 Fleet 3 AC

■ \$\$ Saved to be applied to recapitalization needs, and higher priority needs

■ Fighter Gap 2017-2024

Modernization/Sustainment Cont.

- **Modernization/Sustainment efforts (See FY 09 Unfunded Requirements)***
 - **C-17**
 - Last USAF AC in final assembly
 - **C-130J –**
 - Production continues for SOF requirements want ~132 AC
 - **(AC-XX)** to replace AC-130)
 - **E-3**
 - Block40-45 Upgrades complete
 - **JSTARS**
 - New Engines
 - **UAV fleets**
 - Expand existing fleet
 - Looking beyond Predator **(MQ-X)**
 - AF/Army Joint Concept of Operations for Med Alt UAVs
 - **B-2**
 - RMP (Radar) upgrade
 - **B-52**
 - EW Jammer (SDD Funded)
 - B-52 Fleet reduced to 76 AC (18 to recallable storage)
 - **C-27J**
 - **No longer Joint program - USAF**
 - First delivery 25 Sept 08
 - AC-27 Gunship funding FY10 9-16 AC
 - **MV/CV-22**
 - Multi year production award \$10.4B 141/26
 - **New AF One planned 2017**
 - **New Light Attack FAC Aircraft for Special Ops**
 - Navy taking lead other services
 - Based on EMB-314 Super Tucano
 - “Imminent Fury”
 - **Replace T-38 with new Trainer 2017**
 - **Historical NOTES:**
 - B-2 first flight 17 July 1989.
 - More UAV pilots trained in CY09 than manned fighter/Bomber pilots
 - Last T-37 Training sortie flown June 09

AF Personnel/Org. Changes

- **Gen William Fraser III New ACC/CC**
 - Gen Corley to retire Fall 2009
- **Ashton Carter replaced John Young Under SECDEF A&TL**
 - Wants all programs reviewed for performance and schedule
 - Pushing FFP Contracts going forward.
 - Stable Requirement
 - Maturity of Technology
 - Ability to accurately price program
 - Stable Gov. funding
- **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
 - Responsible for Nuclear mission for B-2, B-52 and ICBM
 - B-2 and B-52 to transfer from ACC to GSC Feb 2010
- **Cyber Security NAF**
 - Lackland AFB TX
 - Cyber Command sub-command under US Strategic Command



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