



U.S. AIR FORCE

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**USAF Liaison
Report**

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AGENDA

- Near-Term ATE Efforts/Contract Vehicles
- Advanced Fuels - Test Opportunities
- Logistics Transformation/USAF RE21 Status
- USAF PGM Status
- VDATS Update
- News
 - Budgets/Programs
 - USAF Modernization/Sustainment Programs
 - Changes in key USAF personnel

Near-Term ATE/Vehicles

■ F-15 ESTS Modernization

- ~\$40M upgrade effort over 3 year period
- F-15 SPO WP running procurement/WR assist
- RFP 7 July, Tentative award Jan 09
- Competitive Small Business

■ A-10 Combined Armament Tester (CAT)

- Study completed Nov 07 (Not to be released to Industry at this time).
- Spec being defined. A-10 launch point for a universal armament tester.
- Program funding FY10
- Requirements definition in work

■ VDATS PBA

- BTP,PBA/ PBL additive modification 28 May
- Industry Day 29-31 July
 - PBA/BTP IDIQ 5 year contract, FY 09 2nd Qtr. Procurement
 - Will Evolve into PBL
 - 15 Systems to be built yearly for new opportunities
 - Building procurement plan
 - ASP still in work
 - RFP Jan 09, Award Late 3rd Qtr 09, Could move right
 - Small Business Competitive Set-aside, Size factor. Still to be announced

■ Hill AFB R-ATE IDIQ

- RFI May 27
- RFP late 2008, TBD (Will likely move to the right)
- ATE Replacement/Sustainment via a Services contract TBD

■ Hill AFB DESPIII RFI

- IDIQ - Building (Procurement plan)
- Eng, Tech, Support Services
- Can be utilized by ALL DoD agencies

■ BRAT PBL

- 5 yr. Contract, RFI Closed Oct 2008, Award FY 10

Advanced Fuels - Test Opportunities

- **Executive order EO13423, 24 Jan 2007 directs DOD/DOE to achieve Energy Independence**
 - AF wants to increase use of Alternate fuels by 10% a year
 - By 2025 AF has been directed to be utilizing 25% renewable sources
 - Goal for US is to have 400M Gallons of FT fuel produced annually by 2016
 - Blend with JP-8. NOTE: Currently the USAF uses 800 Million Gallons of JP-8 a year
 - AF mandated to utilize FT fuel blend in all Military jets by 2011
 - MIL-PRF-83133F established for new alternate fuel sources
- **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.**
- **Refinery locations identified in SE Ohio and Wyoming/Montana for new Syn Fuel efforts**
- **Activities to date**
 - USAF and Eielson AFB in Negotiations with Alaska to build F&T Refinery on Federal Land
 - F-22 GTL
 - Commercial Airline consortium to further development of Syn Fuels
 - Honeywell/Boeing Jatropa Plant
 - 3 Dec Air New Zealand 747 Flight test

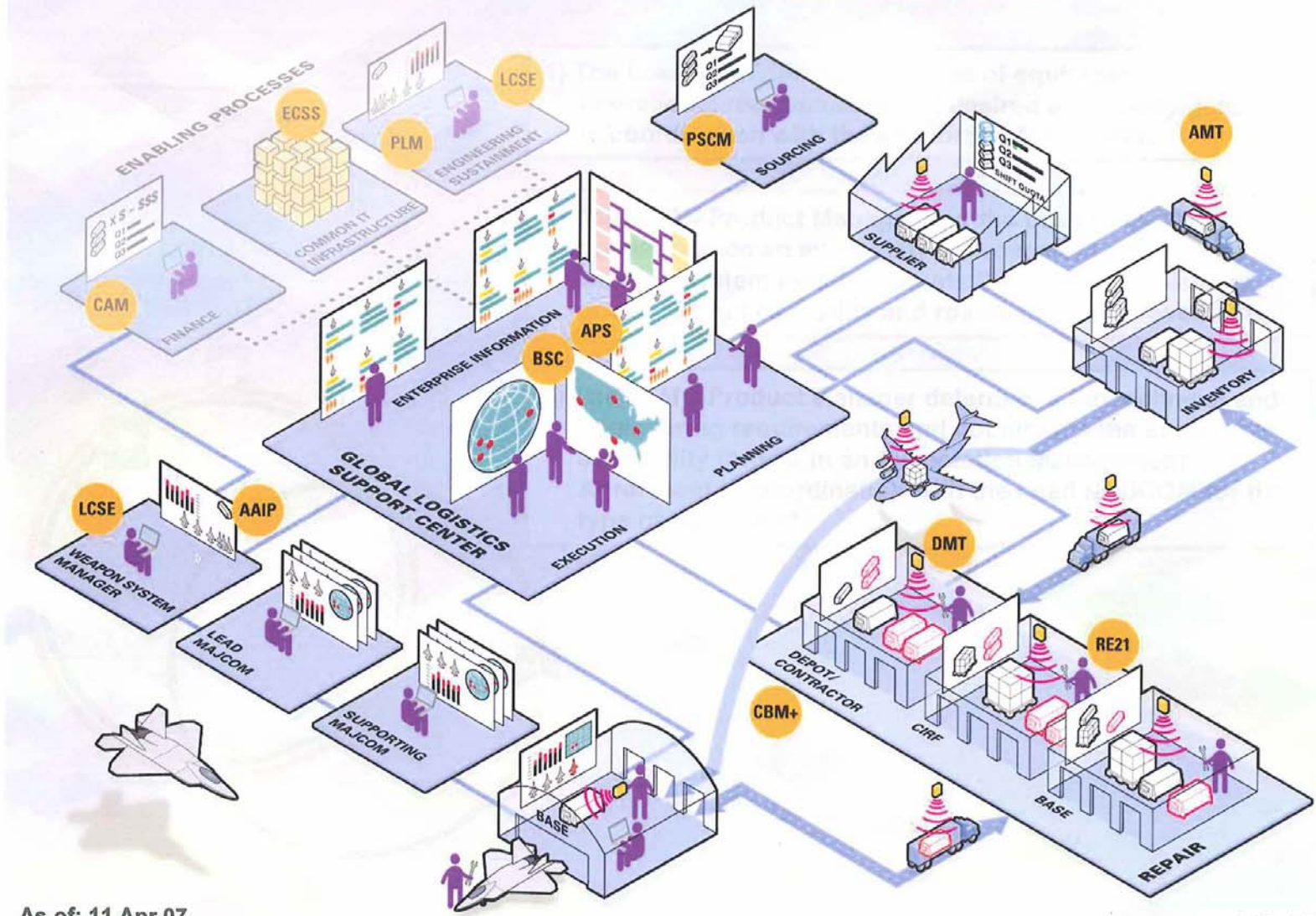
Logistics Transformation - News

- **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)
 - Pentagon Directorate for GLSC, AFMC has over-all oversight.
 - Main HQ Scott AFB - Activated 20 Jan 2008
 - Each ALC has a GLSC element.
 - Ultimately 6 locations within CONUS
 - Trying to get away from the stovepipe way of business
 - Centralized Asset Management (CAM)
 - Centralize \$\$ from SPDs
 - Reprioritize \$\$ based on AF needs versa Stovepipe
 - Contracting functions (5 Regions) Delayed
 - Centralized Management of AMMO

NOTE: Will ultimately interface into similar Navy/Army programs thru common Commercial software

- **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. By CY 2010
 - ALCs stood up 1 Oct. 2007
 - Ultimately USAF to stand up (10) CONUS CIRFs (5) Active, (1) ANG and (4) Integrated
 - **Bases Selected (still in work) for CONUS CIRFS**
 - Active/ANG/AFRES
 - Regional Supply Centers already established (1) Langley (1) Scott

AIR FORCE "TO BE" LOGISTICS PROCESSES



As of: 11 Apr 07

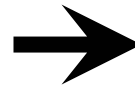
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USAF ATS Policy/Plan

- **Col. French declared VDATS USAF ATS Family member 19 Sept 07**
 - ATS Family for Depot support and New programs
 - Policy letter stating VDATS as USAF Tester
 - Desire that legacy ATE build software/hardware bridge to VDATS
 - VDATS replacement plan for older legacy ATE in work
 - Wants to implement PBL partnerships with industry
 - Test by the hour, Provide ATE Availability to USAF
 - Get the ALCs out of the ATE repair business/focus on generating LRUs/SRUs
 - 742 CBSG lead an AF **ATS Roadmap effort in FY09**
 - ATS PGM, ACC, AFMC, AMC Etc.
 - Support from USAF Leadership
 - **ALL ATE** will fall under control and Management of ATS PGM
 - OO/OC ATE to be managed by WR ATS PGM
 - Armament and EW Test migrating to the ATS PGM now
 - **Col. French's Group to migrate to Global Logistics Support Center**
 - **Stand-up June 09 - Location – WR**
 - Funding profile for ATS being realized
 - A4/SAF ATS PE assigned and coded for ATS FY 10
 - Funding is flowing for VDATS
 - \$22M in FY08 GWOT for VDATS to include an Integration Lab
 - \$270M being POM for out year VDATS requirements

Versatile Depot ATS (VDATS)

- AF developed common core ATS
- Open system architecture with modular H/W & S/W design
- Level III drawing package
- COTS components
- Reduced maintenance footprint increasing workload capacity



VDATS Support Strategy is Performance Based Acquisition

Transformation Initiatives Integrated Life-Cycle Management Forum

- **Integrated Life-Cycle Management (ILCM) forum co-chaired by AFMC/CC and SAF/AQ met 05 Sept 2007**
 - **ILCM charter is to better integrate acquisition and sustainment across the AF enterprise**
 - **ATS was the only issue tee-up at the Sept 2007 meeting**
- **ILCM Action Items for ATS:**
 - **Issue an ATS Policy Letter to all SPDs/PGMs regarding the role of the 742d CBSG as the ATS Leadership Office for the Air Force and identify VDATS as the first standard family of AF ATS**
 - **Develop ATS RFP Checklist Information for acquisition programs**
 - **Develop SOO and cost estimates to develop a new ATS Roadmap**
 - **Develop a BCA for VDATS re-host activities -- \$270M starting FY11**
 - **Pursue AFSO21 Transformation and 3010 funds in FY09/10**

Transformation Initiatives

VDATS Maturation

- **FCA/PCA completed with participation from OO-ALC, OC-ALC, and AFMETCAL**
 - All level III drawings completed final format & style review
- **Formal CCB complete on DA-1, DA-2, RF-1 roll-up**
 - Software CSCIs still in work to include system software, wrapper, self-test, calibration, and test executive.
- **VDATS program requirements to date (52 Stations)**
 - B-2 – 1-6 DA-2s (dependent on EW upgrade)
 - F-15 IFF/F-16 IFF – 2 DA-2/2 RF
 - 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
 - System Integration Lab

ATS Transformation Roadmap Plan of Attack

■ O-Level Maintenance – ID Families of Devices

- Reprogramming Tools
- Line Analyzers
- Armament Testers
- Flight Control Testers
- Nav/Targeting Testers
- Etc

Standard Testers by
Functional Area

■ Depot Level Maintenance – ID Standard Depot Testers Under RE21

- VDATS
- BRAT, LM STAR
- IAIS/RIAIS
- Etc. Others

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

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

- KC-X
- CSAR-X
- Etc

Synthetic Instruments
High Speed Fiber
Sensors

Looking for Industry input on new technologies

News –Budget and Programs

■ Top 5 USAF requirements:

■ KC-45A Tanker Replacement

- 10 Sept Program terminated by SECDEF (Defer decision on a new Tanker to next Administration)
- POM funding remaining in place FY10-15
 - FY 09 Funding diverted to other programs
- New AF Chief predicts 2-4 years before new acquisition
- Fair & Open “aimed at needed Performance not excessive Performance”

■ CSAR-X Re-solicit amended RFP Nov 07 – Award delayed (2 yrs and counting)

- 141 Helos.
- Award delayed until Mid CY 09

■ Satellites for Early Warning/Com

■ F-35

- First AC to USAF 2010
- LRIP 2 Approved June 08 12 AC 6A/6B
- 7 AC in FY 09 Budget
- Remains a congressional target. Final AC number is still TBD

■ NGLRS (2018)

- No 2009 \$, \$ 2010, Appears little National Will and USAF support.
- AoA complete, Current technology as of 1 Jan 09
- Potential merge with Prompt Global Strike Requirement (PGS)
- Current technology, PGS ICBM with Conventional war head
- Teams have formed

■ AF Strategic Plan

- Shifting to Irregular Warfare, USAF in a Support Role, “era of persistent conflict”
- Recent JFCOM report Stresses balance between Irregular/Regular Warfare
- New QDR to be initiated
- Expect a smaller CAF going forward
- **There has been a ~15% reduction in USAF Aircraft Mission Readiness at a cost of 87% increase in Dollars to sustain an older fleet.**
- **Depot \$ for Maintenance now funded at 74% of the requirement.**

News- Budgets and Programs

- **FY10 POM Solidified**
 - Submit to Congress in Feb 09.
 - USAF \$100B shortfall over next 6 years, \$310B DoD total
 - Beginning to lose the Edge in Air Dominance due to number of factors
- **FY 09 Defense Budget**
 - President signed \$612B Defense Authorization Bill Core Budget \$487.7B, Balance for war funding.
 - Total AF is \$143.9B, 7% higher than FY08
- **Highlights**
 - **F-35 \$785M but proportioned to provide:**
 - Second Engine development
 - Risk reduction Fund
 - Less money for Airframe production
 - OO selected for USAF management of F-35
 - **KC-45 \$893M** Deferred to other program for FY09
 - **F-22 Funding for 20 additional Aircraft - \$523M for long leads.**
 - **With restrictions, AF has not spent the \$140M to continue funding**
 - **\$943M for significant increase in Civilian workforce, bring work in house, Less outsourcing**
- **Budget Crunch coming (2011-Beyond)**
 - Signal will be end of Emergency Supplemental
 - Over all budgets to level off and decrease in coming years.
 - Do not expect future supplemental to fill requirements.
 - Expect tough decisions on new programs.
 - AF wants early data rights to new products to allow ALC organic support.

News- Budgets and Programs

- **FY 08/09 \$162B Supplemental Budget approved 29 June**
 - Funds war and selected unfunded requirements
 - \$99.5B FY08
 - \$65.9B FY09
- **Highlights**
 - \$3.6B (15) additional C-17 Note: AF did not request (212)
 - \$2.4B (34) C-130J
 - AF request for JSF Omitted
 - \$825M for ANG/ARFES requirements
 - Additional FA-18E/F and V-22
 - Big increases in Army vehicles, IED protection and Jamming/Detection devices.
- **SecDef redirected \$1.3B from all services for ISR Requirements**
- **DoD asking for additional \$360B over 6 years to address recapitalization needs**

- **Additional Logistics USAF goals**
 - Reduce deployed and CONUS footprint, reduce cycle and repair times
 - Reduce # of AFSC from 263 to 100 focus on Expeditionary operations
 - INTERDEPENDENCE between services, agencies and allied countries

- **Over-all DoD acquisition credibility at all time low includes all services**
 - **Under SECDEF**
 - AF not managing Space Budget effectively, AF as EA a “Mistake”
 - USAF Tanker procurement a mess
 - Long-term Industry contracts are being reviewed to insure value and AF
 - Reducing 10+ contracts to 3-5 year with options going forward.
 - There will be more Gov. Oversight.
 - New Acquisition policy 5000 Series updates

Modernization/Sustainment/Retirements

■ Modernization/Sustainment efforts

- **F-22 - Bases: Langley, Elmendorf, Hickam and Holloman AFB**
 - There will be initially 7 Squadrons
 - 120 AC delivered to date
 - F-22 FOC 12 Dec 07 Fully Combat Ready Over 50,000hrs
 - **Mission Capability at 62% - lower than expected**
 - **MX MH per flying hour has increased**
 - AC fleet size could end up 203 (Next Administration will decide fate of F-22)
- **F-35 - Program LRIP 19 April \$275M, LRIP 2 - June 08 \$2.2B**
 - First AF Mx cadre at Edwards/Eglin to begin training
 - Initial Flight Test test Edwards completed, additional test to follow
 - IOT&E planned 2013-2014
 - First STVOL flew 13 June. A model now has 50+ flights. First Supersonic Flight
 - 2010 first USAF AC
 - 2015 FRP Planned, Automated moving line (1 AC per day)
- **F-15 - F-15 Fleet and F-22 decisions impacted by results of Stress Test**
 - Aircraft to go thru a full Fatigue test/analysis
 - Start retirement of A&B this year and into FY09 (49) AC
- **A-10 - Wing Crack inspection on 130 AC**
 - Worse than expected, Likely structure repairs needed
- **F-117 - Retired and out of fleet May 2008**
- **KC-135E - Retire (80) AC by end of Sept 08 (Possible recall)**
 - PDM battle between Boeing and Pemco

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

- F-15 fleet by one-third 132 AC
- F-16 Fleet by 15% 177 AC
- A-10 Fleet 9 AC
- \$\$ Saved to be applied to recapitalization needs

Modernization/Sustainment Cont.

- **Modernization/Sustainment efforts (See FY 09 Unfunded Requirements)***
 - **C-17 - Production funded in recent Supplemental**
 - Last funded C-17 Aug 2009, (No funding in 2009 Budget, 15 AC in Supplement)
 - Boeing awarded \$3.0B PBL for full logistics support to C-17
 - FMS: Canada, UK, Australia, Qatar, NATO
 - **C-130J - Production continues for SOF requirements want ~132 AC**
 - **Upgrades to E-3 (Blk 40/45), JSTARS Engines (ISR), C-5**
 - **Expand UAV fleets (AF pushing to manage all UAVs) Looking beyond Predator**
 - AF/Army drafting joint Concept of Operations for Med Alt UAVs
 - **B-52 - EW Jammer (SDD Funded) E-10 back on the table**
 - B-52 Fleet reduced to 76 AC (18 to recallable storage)
 - **C-27J - Joint Cargo Aircraft - First flight 17 June, First delivery 25 Sept**
 - Multiple FMS sales to date
 - Production location agreement resolved
 - AC-27 Gunship funding FY2010 9-16 AC (AC-XX to replace AC-130)
 - **MV/CV-22 - Multi year production award \$10.4B 141/26**
 - Last USAF MH-53 Combat Mission 27 Sept (Moved to Navy)

AF Personnel Changes Plus

- **New SECAF and Chief of Staff**
 - Michael Donely new Sec AF,
 - General Norton Schwartz new Chief of Staff USAF

- **Top AF Priorities for New SECAF and Chief**
 - **GWOT**
 - Fix Nuclear Enterprise
 - Single Command for Nuclear Forces
 - USAF **Global Strike Command** to be stood up as a MAJCOM by Sept 09
 - HQ Offutt AFB
 - Nuclear Weapons Center Kirtland AFB NM
 - Address Shortage of UAVs/ISR in War Zone
 - Repair Acquisition System
 - **Recapitalize the Fleet**

- **SECDEF halted AF reductions and increase authorizations**
 - More Maintainers, Special Ops and Nuclear specialties
 - Cancel idea to realign MX under Operations

- **AF Cyber Command delayed**

- **AF to brief SECDEF 15 Dec on 40 year vision for UAVs**
 - Requirements & Technology)



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