



**U.S. AIR FORCE**



# Information Brief: AF Eng. Enterprise (5 November 2013)

*HQ AFMC/ENS*

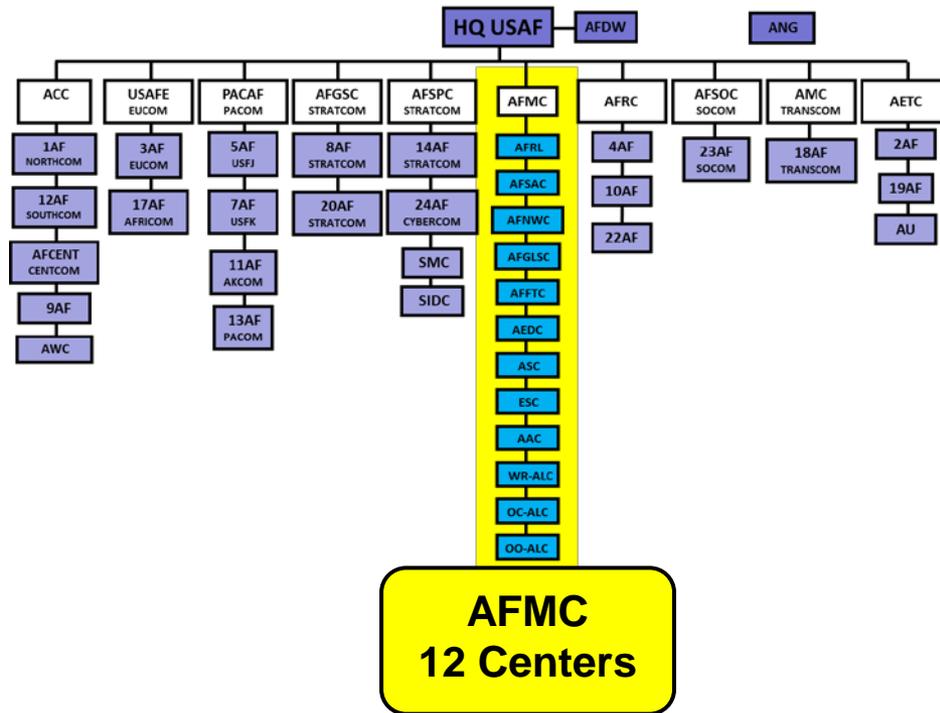
Distribution A; Clear for Public Release: AFMC # 2013 - 0168

*One Team, Delivering Capabilities to Fly, Fight & Win... Today & Tomorrow*

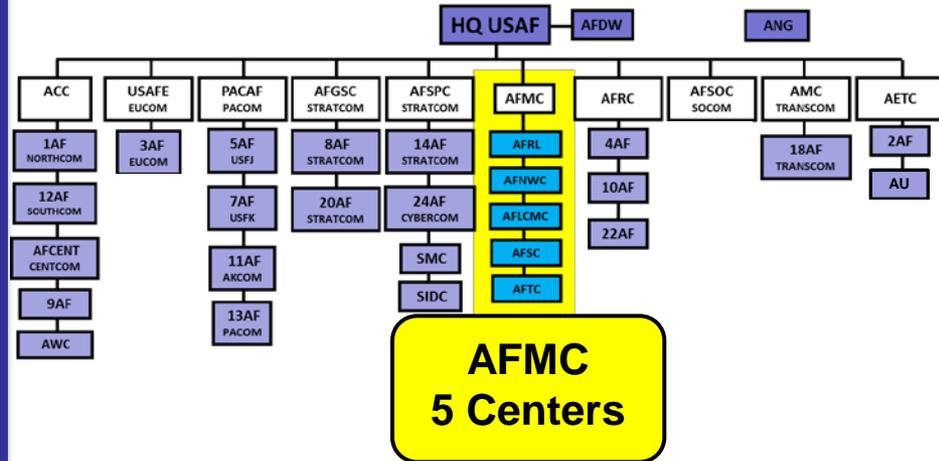


# AFMC Reorganization

## Prior MAJCOMs & NAFs



## Current MAJCOMs & NAFs



Reductions Focused on AFMC Staff / Overhead  
 General Officer Presence Retained at AFMC Base  
 Wings / Directorates and Below Stay in Place  
 No Realignment of Positions  
 No Reduction in Number of Bases



# AFMC 5-Center Construct

HQ Air Force Materiel Command



AF Life Cycle Mgt Ctr (AFLCMC)



Lt Gen

Wright-Patt AFB

AF Sustainment Ctr (AFSC)



Lt Gen

Tinker AFB

AF Test Ctr (AFTC)



Maj Gen

Edwards AFB

AF Research Lab (AFRL)



Gen

Wright-Patt AFB

AF Nuc Wpns Ctr (AFNWC)\*



Maj Gen

Kirtland AFB

## Life Cycle Mgt

### **Includes:**

- All Program Executive Offices
- Former Aerospace Sustainment Directorate
- Program Offices
- AFSAC Directorate
- 66 Air Base Group
- 88 Air Base Wing

## Sustainment

### **Includes:**

- WR, Ogden, OC Air Logistics Complex
- 448 Supply Chain Mgmt Wing
- 635 Supply Chain Operations Wing
- 72 Air Base Wing
- 75 Air Base Wing
- 78 Air Base Wing

## Testing

### **Includes:**

- Arnold Engineering Development Complex
- 96 Test Wing (w/ 96 Air Base Wing)
- 412 Test Wing (w/ 95 Air Base Wing)

## Technology

### **Includes:**

- Merge 10 to 9 Directorates
- Consolidate like activities in 4 others

## Nuclear

### **Includes:**

- 498 NSW to be Nuc Capab Direct.
- 377 ABW w/ 498 MUMG to 377 W
- 898 MUNS moves to 377 Wing
- WSAs to AFGSC
- PEO aligned to LCMC

\* AFNWC is a hybrid of acquisition and sustainment activities



U.S. AIR FORCE

# *Challenge to AF Engineering Enterprise*

---

**PROBLEM: *The Air Force Engineering Enterprise does not adequately meet today's life cycle engineering expectations***

---

*Budget constraints drive need to regain acquisition excellence*  
*Adversary growth & complexity requires flexibility & agility*

**SECAF: “GO FIX ENGINEERING”**

---

*Integrity – Discipline – Innovation*



# *Why This? ... Why Now?*

**U.S. AIR FORCE**

---

**Program Executive Officers and Program Managers have a hard job**

- Declining and insufficient resources, fiscal instability, workforce challenges, more Congressional oversight...

**What is needed from the engineering enterprise to succeed**

- Sufficient, technically competent engineering workforce
- Sound technical advice and recommendations for risk mitigation
- Streamlined processes and policy

**How the engineering enterprise adds value**

- Equip PM with capability to make sound technical decisions & manage technical risk while staying on schedule & on budget
- Address issues from Enterprise perspective vice localized one
- Provide tech foundation for cross-program (system of systems) capability
- Enable agility and efficiency through common processes and tools

**Building a strong technical foundation ... Ensuring program success**

---



# ***AF Engineering Revitalization Effort***

***(Lead: SAF/AQR)***

**U.S. AIR FORCE**

---

## ***Vision***

**Reconstitute & maintain Engineering Enterprise (EE) discipline & culture to create capable & enduring Air Force Systems enabling the warfighter to Fly, Fight, and Win**

## ***“Priorities”***

- 1. Refine Air Force engineering enterprise governance, roles and responsibilities, and supporting policy**
- 2. Enable high-quality engineering decisions and seamless communication**
- 3. Improve engineering discipline through technical information management & standardization**
- 4. Address engineering workforce issues, including core competencies, structure, development, and assignments**

---

***Integrity – Discipline – Innovation***



U.S. AIR FORCE

---

# ***EE Governance Membership***

## ***Senior Advisory Group***

SAF/AQ

AFMC/CA

AFSPC/CA

## ***Engineering Enterprise Executive Council (EEEC)***

SAF/AQR

HQ AFMC/EN

SMC/EN

AF SE SL

\* See Next Chart for Priority Champions & Goal Leads

---

***Integrity – Discipline – Innovation***



# Strategic Planning Leadership

**U.S. AIR FORCE**

Priority	Champion	Goal	Owner
1 - Refining AF Engineering Enterprise Governance, Roles & Responsibilities, and Supporting Policy	(SAF/AQR)	1.1 Define AF “Engineering Enterprise”	Complete
		1.2 Standardize Roles & Responsibilities (including Authority) of Engineering Enterprise Organizations & Key Positions	Col(S)
		1.3 Focus and manage the Engineering Enterprise portfolio of policy and process	Col(S)
2 - Enabling High-Quality Engineering Decisions and Seamless Communication	(HQ AFMC/EN)	2.1 Establish AF Engineering Decision Framework	Col
		2.2 Enable Decision Framework Through Solid Analytical Foundation	Mr.
		2.3 Effective Communications Across AF Engineering Enterprise	Mr.
3 - Improving Engineering Rigor Through Technical Information Management & Standardization	(AFLCMC/EN-Hanscom)	3.1 Formalize management & utilization of AF Technical Information	Dr.
		3.2 Develop management plan for AF portfolio of specs and standards	Mr.
		3.3 Create AF Engineering Knowledge Management capability	Dr.
4 - Addressing Engineering Workforce Issues: Core Competencies, Structure, Development, and Assignment	(AFLCMC/EN-Eglin)	4.1 Develop and manage AF Engineering Enterprise Core Competencies <b>Taxonomy</b>	Col
		4.2 Refine and implement AF Engineering Enterprise Staffing Deployment process	Mr.
		4.3 Focus workforce development and assignments to provide highly qualified/capable workforce	Mr.

**Engineering Leadership Engaged Across AF**

*Integrity – Discipline – Innovation*



U.S. AIR FORCE

# Enterprise-Wide Planning Approach



Air Force Engineering Enterprise Strategic Model

*Integrity – Discipline – Innovation*



# Eng. Enterprise End Game

U.S. AIR FORCE

- Improve the technical workforce
  - Fill competency gaps
  - Improve training
  - Increase proficiency
- Improve communication
  - Reliable technical advice to decision makers
  - Constructive technical recommendations to PMs
- Best utilize resources
  - Build strong technical foundation
  - Equip and provide SMEs when & where needed



Providing the RIGHT PEOPLE in the RIGHT PLACE at the RIGHT TIME

*Integrity - Service - Excellence*