

# ***Headquarters U.S. Air Force***

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## ***Air Force Engagement in Expeditionary Warfare***

**Brig Gen Kevin Henabray  
Mobilization Assistant to AF/A8X  
(AF Strategic Planning)**

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24 Oct 2006



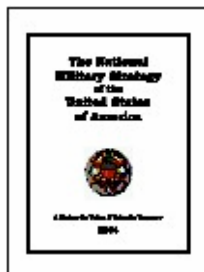
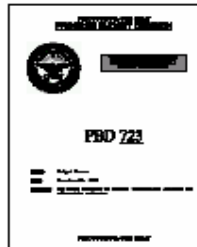
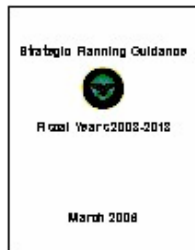
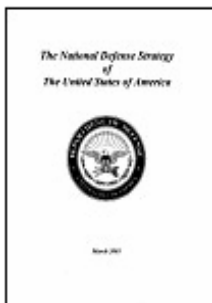
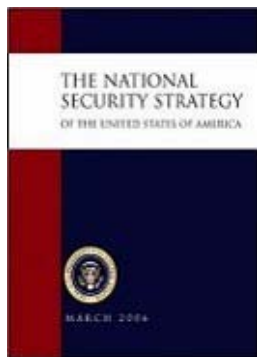
# Air Force Engagement in Expeditionary Warfare

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- In today's world. . .
  - Things We Need to Do
  - Places We Need to Be
  
- The Air Expeditionary Force (AEF)
  - Transformation within DOD
  - Transforming the Air Force
  - How the AEF works
  
- Enhancing Joint Warfighting – The Air Force Portfolio of Capabilities for Expeditionary Warfare
  - Global Strike
  - Global Mobility
  - Persistent C4ISR
  - Agile Combat Support



# What We Need to Do – Plenty of Strategic Guidance . . .



## Force Planning Construct





## ***Strategic Guidance Directs Transformation***

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- **Fight and win “the long war”**
- **Remain a military without peer**
- **Meet traditional, irregular, catastrophic, and disruptive threats**
- **Recapitalize and modernize**
- **Become a smaller, more capable force**
- **Reduce excess infrastructure**

**“We’re fighting a global war, a real global war. We’re focusing on developing more expeditionary notions of Airmen and more expeditionary notions of presentation of forces.”**

**- CSAF, General T. Michael Moseley**



# Meeting the Requirements



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# *The Threat Requires an Expeditionary Force*

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- **The Cold War military was not structured to face the new range of irregular, catastrophic, and asymmetric threats**
  - Long War on Terrorism
  - Counterinsurgencies
  - Stability operations
  - Diminished protection of geographic distance
  - Proliferation of WMD
  - Unpredictability of conflict locations
  - Reduced access and need for garrison bases
  - Urban operations
- **The joint force must effectively conduct operations across the entire spectrum of conflict – no more “lesser included cases”**





## *The Air Force “Warfighters” Vision*

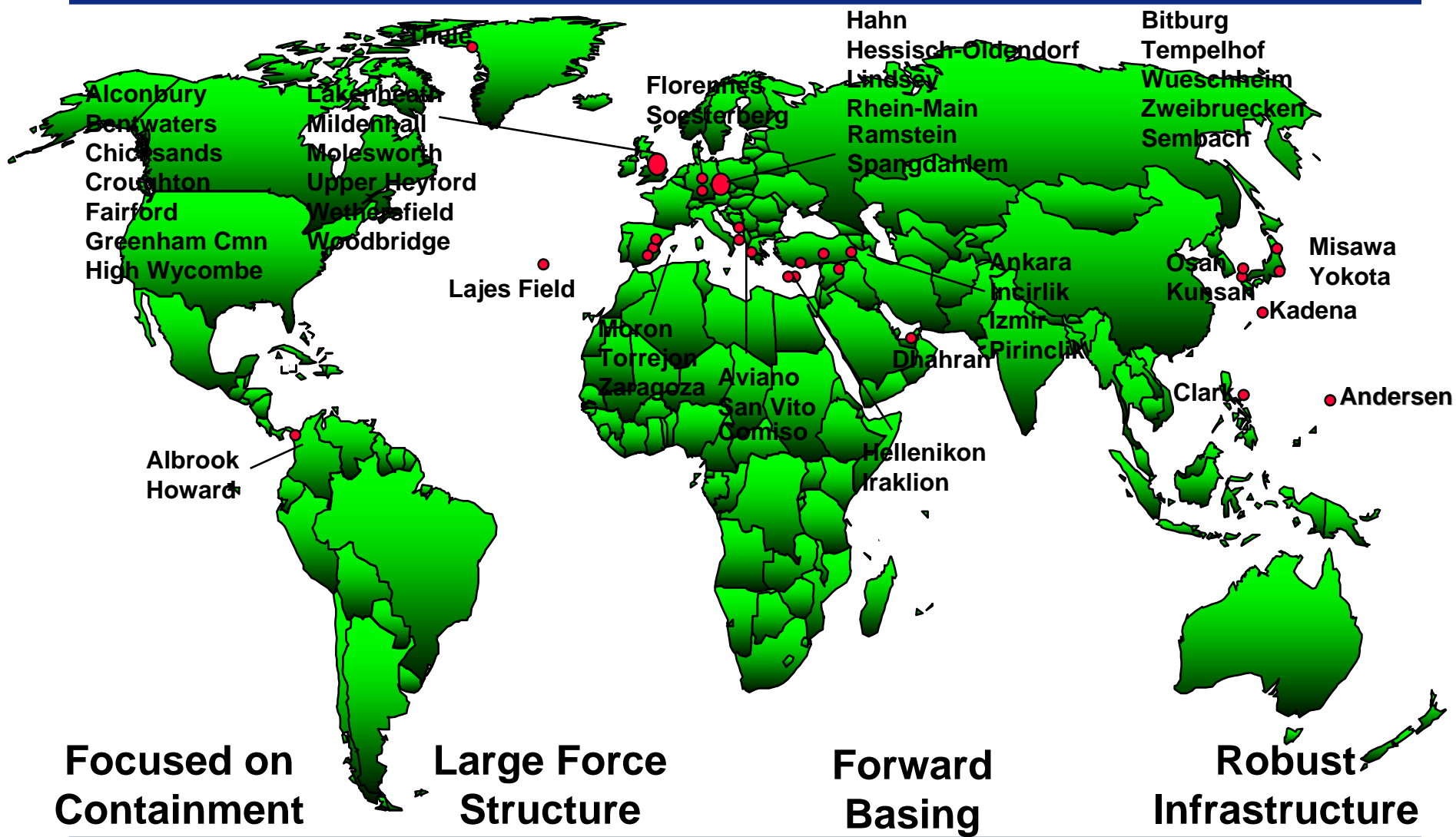
- **Mission Statement**
  - *Deliver sovereign options for the defense of the United States of America and its global interests – to fly and fight in Air, Space, and Cyberspace*
  
- **Priorities**
  - *Maintain a razor-sharp focus on fighting the Global War on Terror*
  - *Continue developing our Airmen*
  - *Recapitalize and modernize our inventory*

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# Where We Were – The Cold War Garrison Force

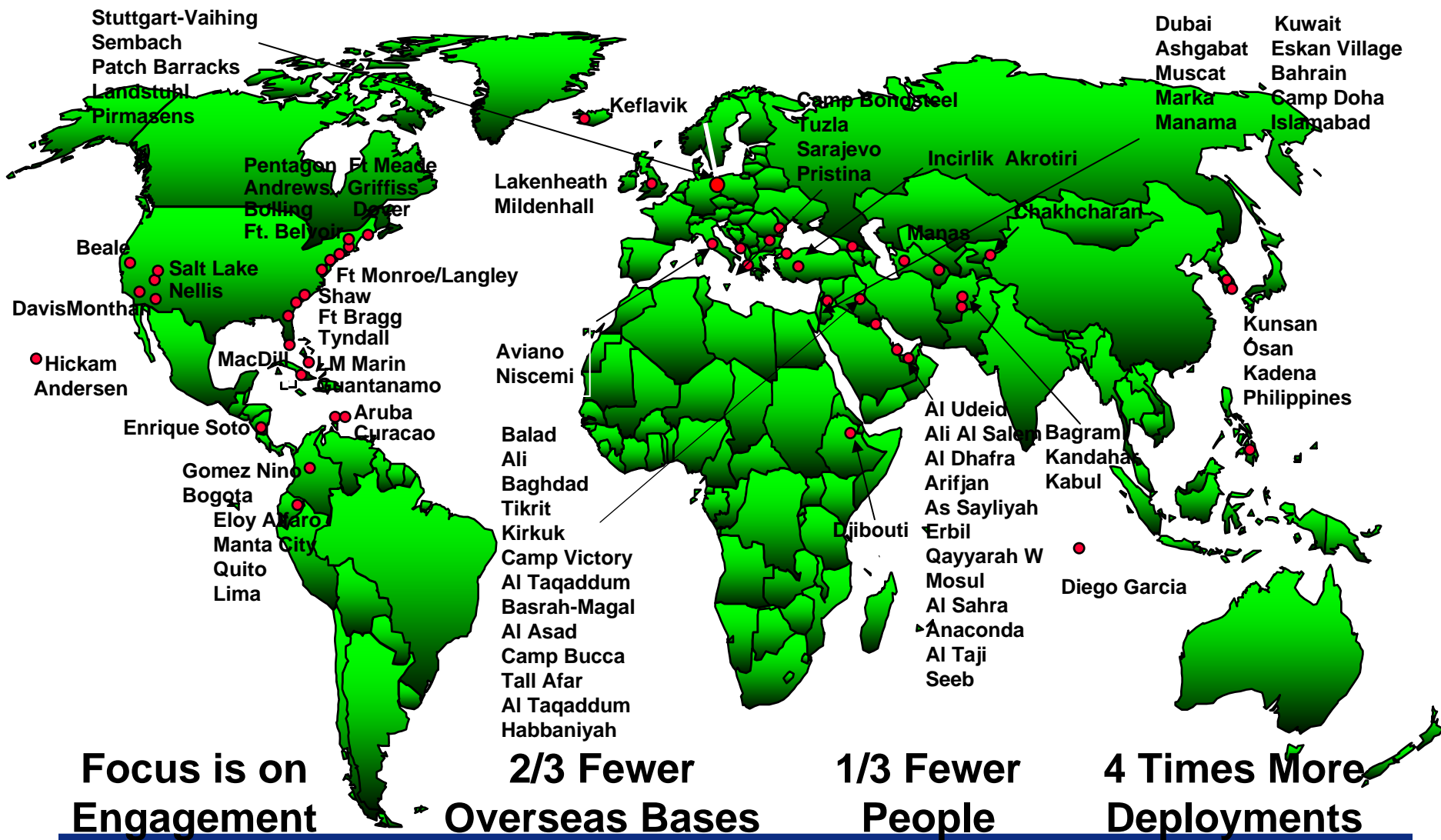


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# Where We Are Today... An Engaged, Expeditionary Force



**Focus is on Engagement**

**2/3 Fewer Overseas Bases**

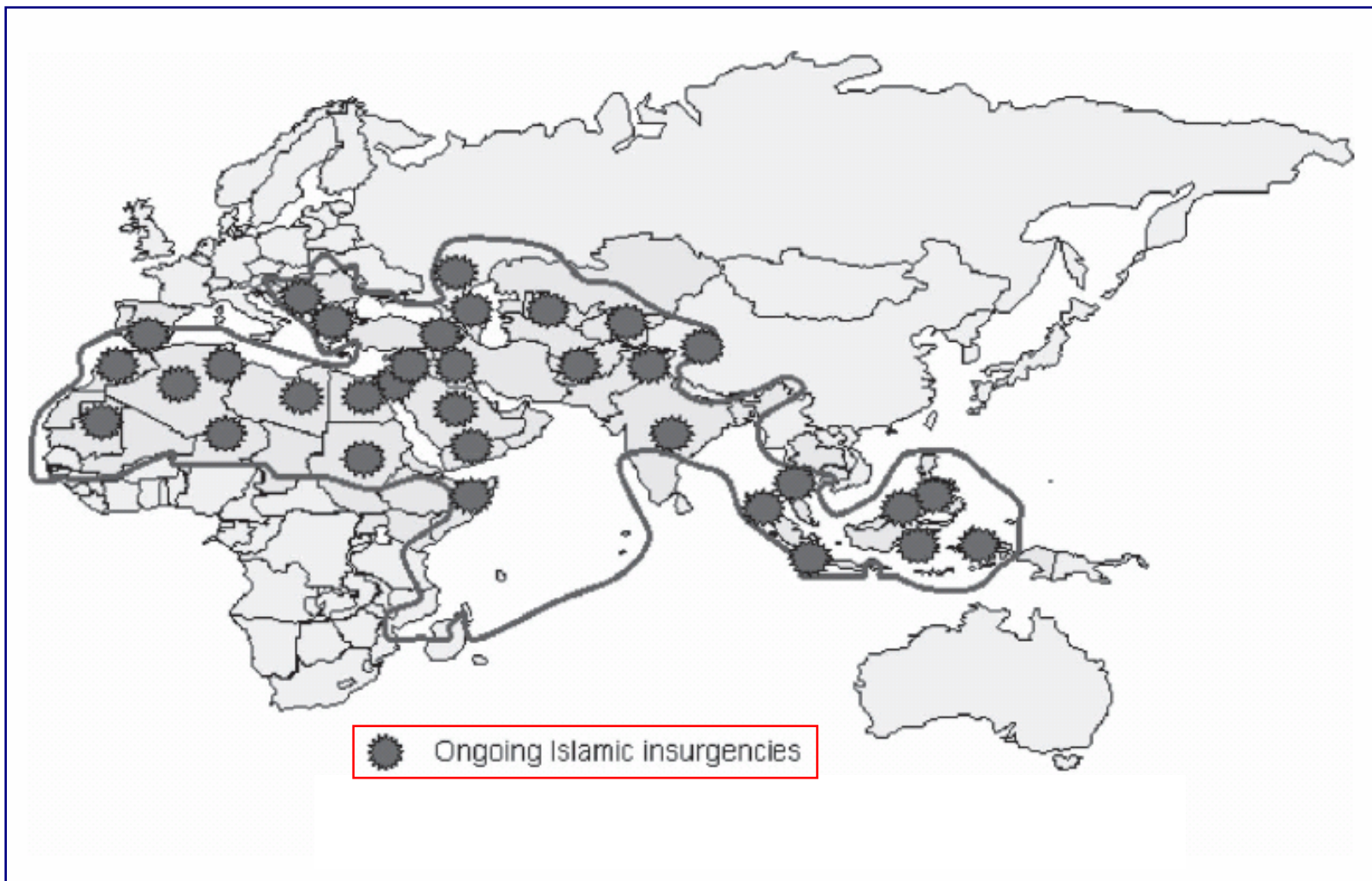
**1/3 Fewer People**

**4 Times More Deployments**

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# Where We Might Be Tomorrow. . . “The Arc of Instability”



\*Kilcullen, David J., “Countering Global Insurgency,” *Journal of Strategic Studies* (Aug 2005): p. 599 – which cites *Patterns of Global Terrorism 2004* by State Dept as source for data.



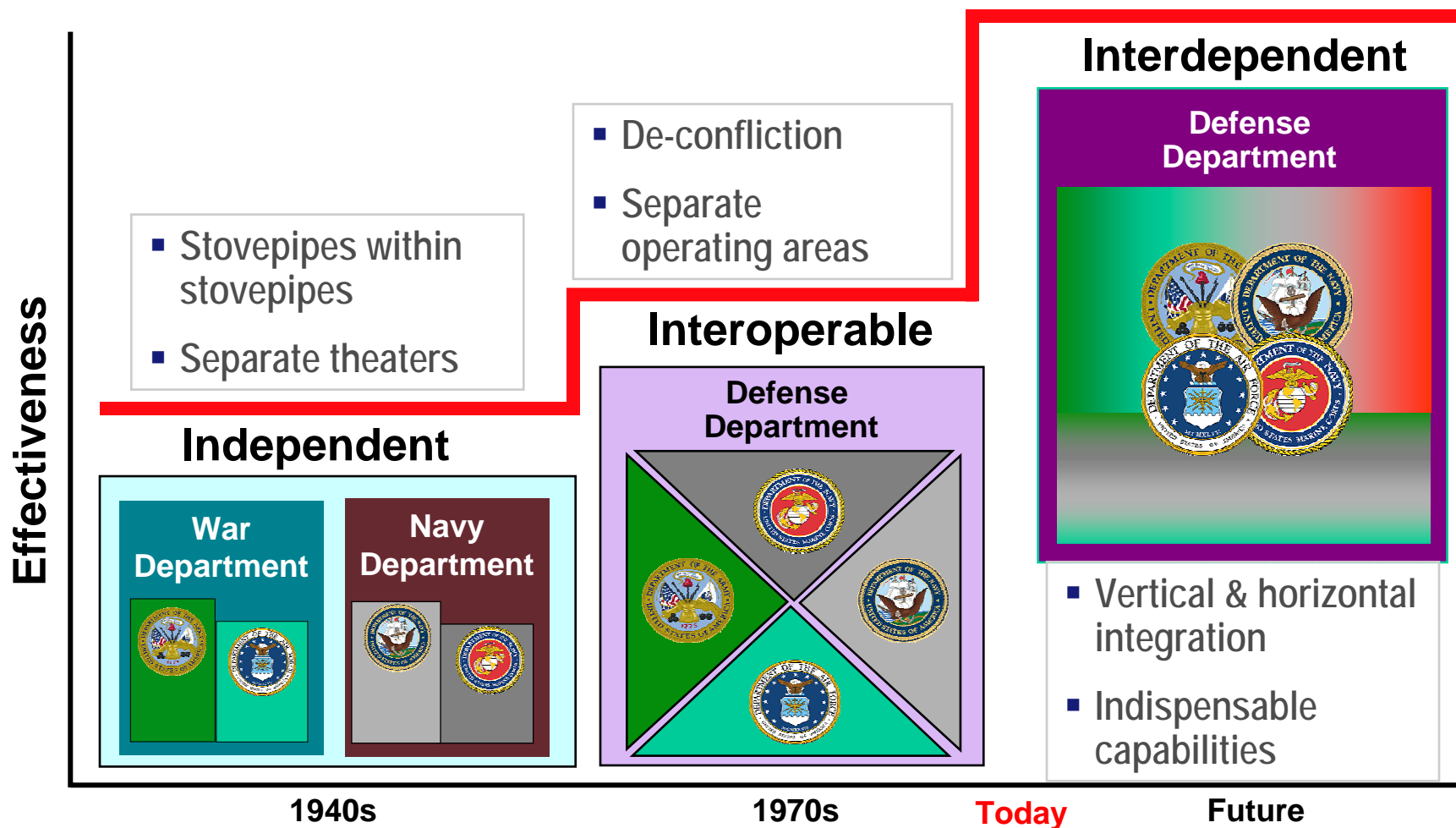
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  - **Transformation within DOD**
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# Enhancing Joint Warfighting – Interdependence Requires a Portfolio Approach to Capabilities





# Air Force Transformation into an Expeditionary Force



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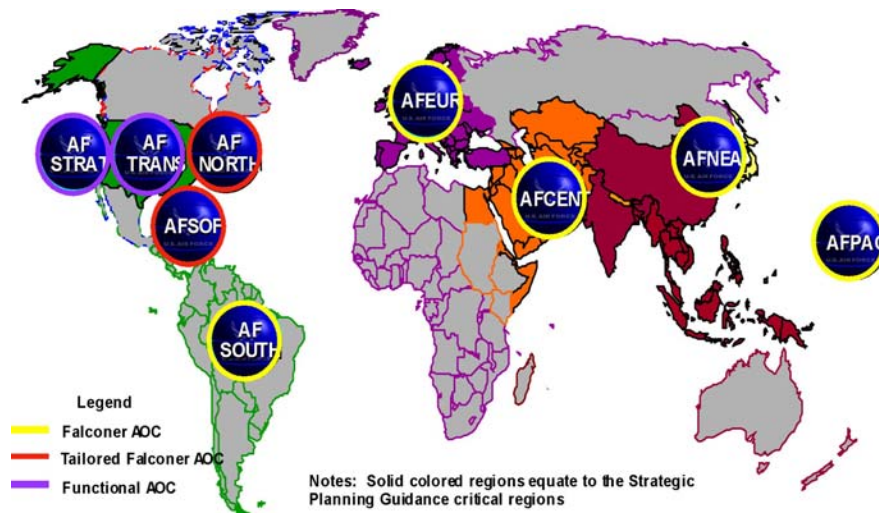


## *Enhancing Joint Warfighting – Organize Around Warfighting Headquarters*



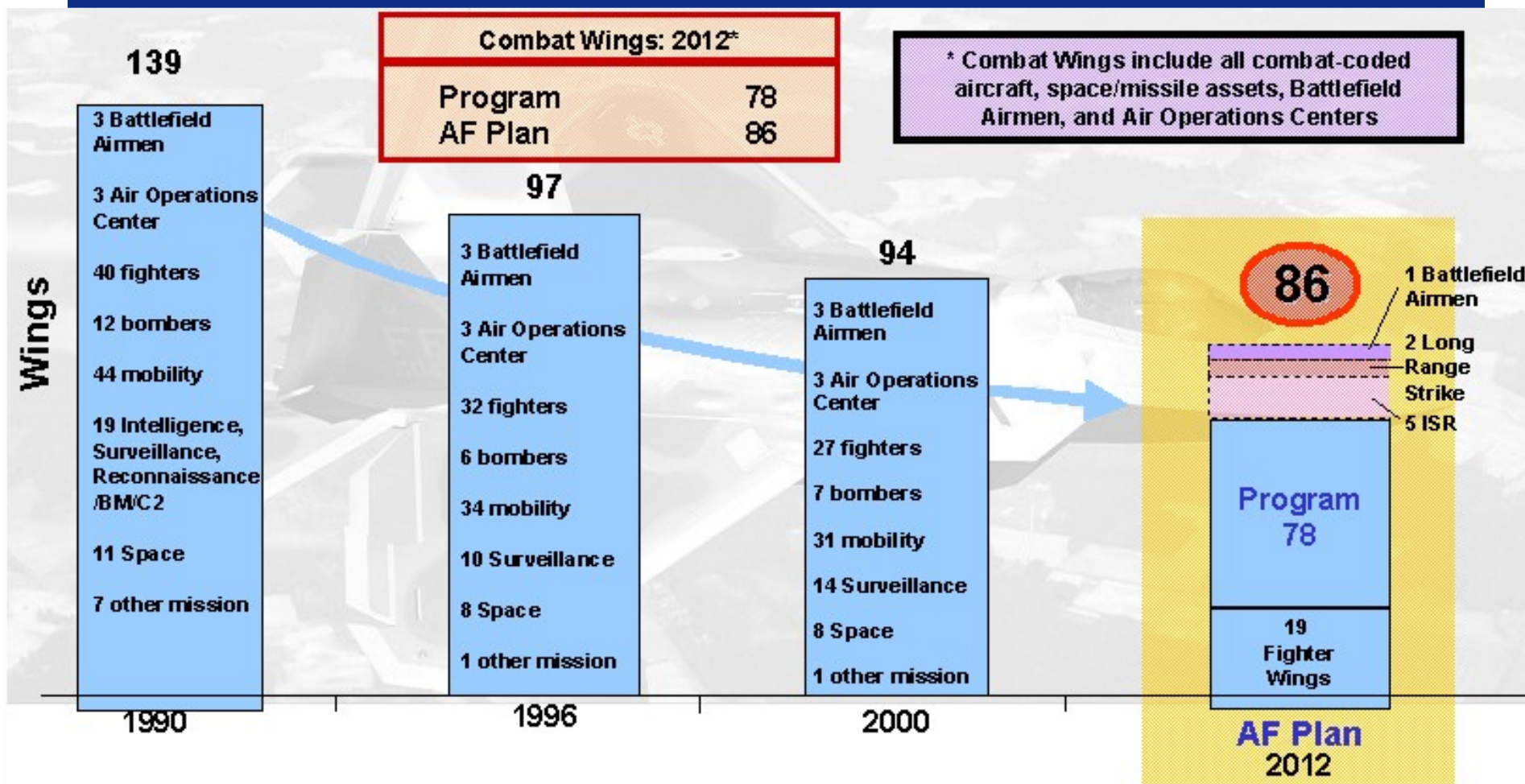
- **Mission: Plan, command, control and execute air, space and information capabilities across full range of military operations**
- **Provide Operational-level C2 Supporting geographic and functional CC's**

- **A-Staff re-organization**
- **Capability to immediately transition from Day-to-day to major operations**
- **In-place COMAFFOR of assigned or attached forces**





# The Combat Wing Transformation



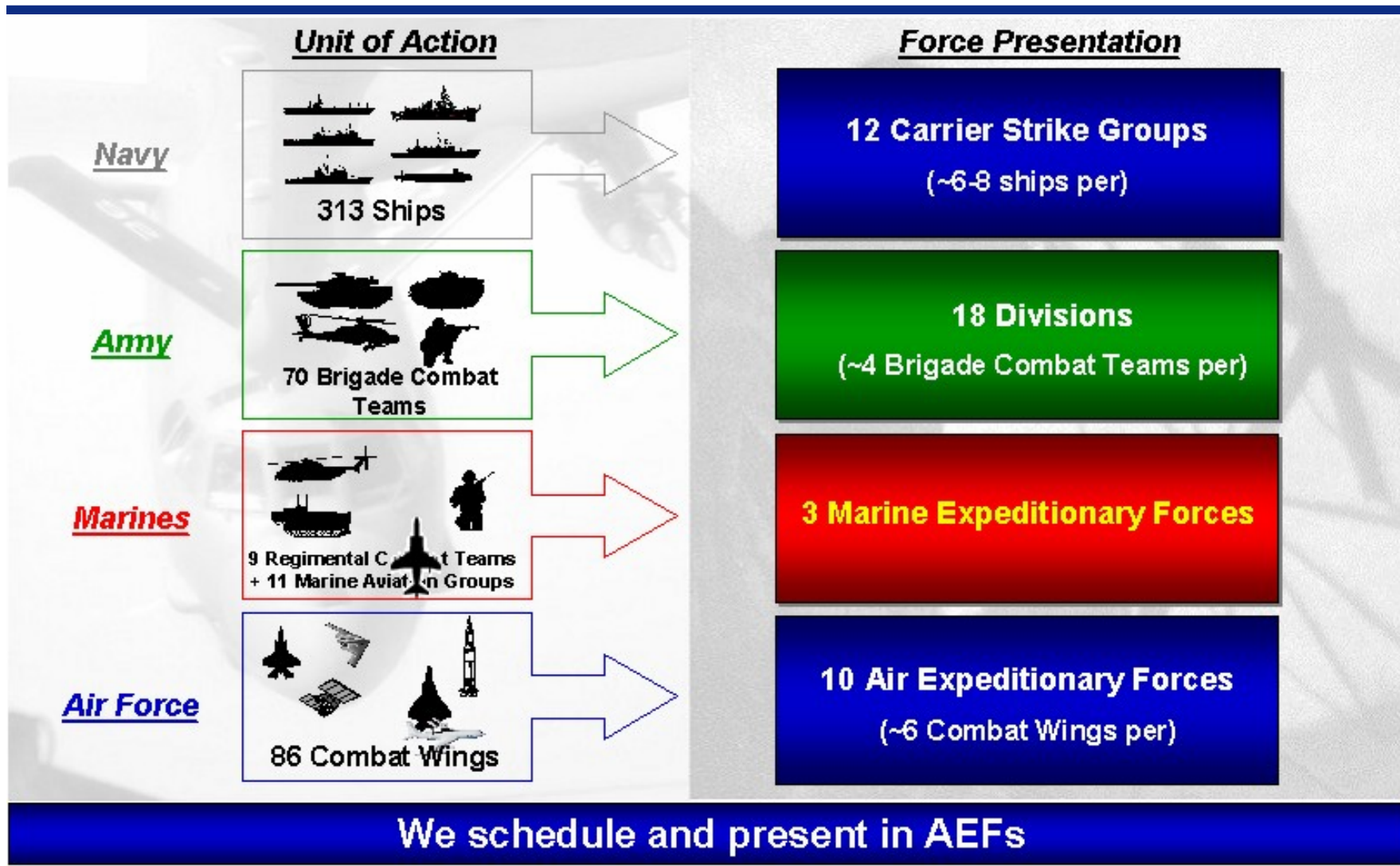
**We size the force in Wings to meet warfighting requirements**

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# Force Presentation



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## *The Air Expeditionary Force*

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- Provides predictability and stability to our Airmen during normal battle rhythm ... with a planned and orderly transition to surge using an equitable, consistent and methodical approach, transparent to all commanders
- Stresses in certain career fields (LD/HD) will make their battle rhythm less predictable (i.e. extended tour lengths, more frequent deployment rotations, etc)
- The AEF Cycle is based on forces aligned in five “pairs”
  - Each “pair” equates to a four-month deployment window
  - Five AEF “pairs” make up one 20-month AEF “cycle”
- The AEF is the Air Force’s system for presenting forces to COCOM’s

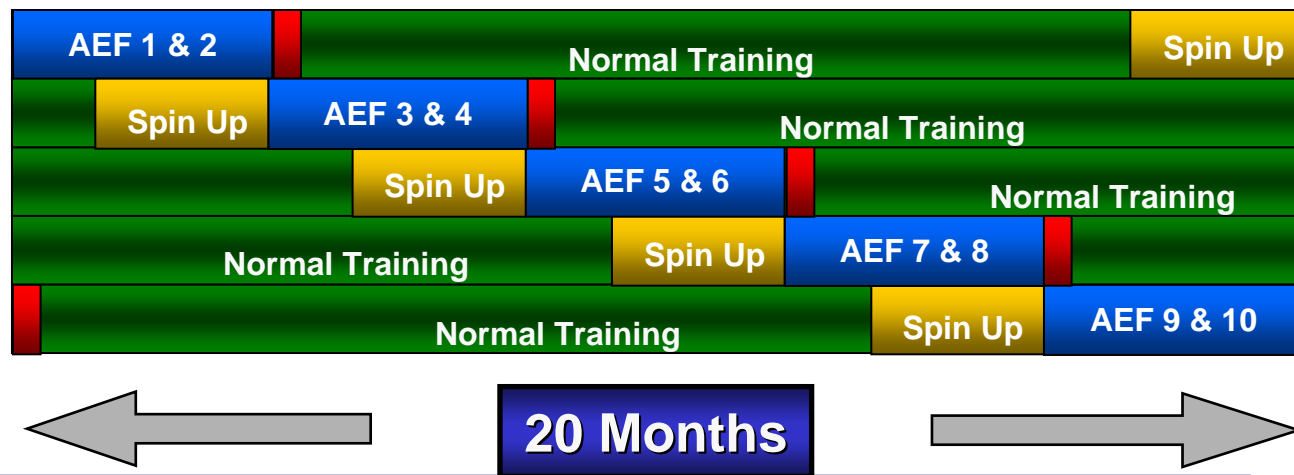


# How the AEF Works

- 2-3 Combat Wings (Shooters)
- 2 Mobility Wings (Tankers/Airlift)
- 1-2 Mobility Squadrons (C-130)
- 1-2 Recon Squadrons
- 1 Bomber Squadron
- 3-4 Austere Locations
- AF Special Ops Base

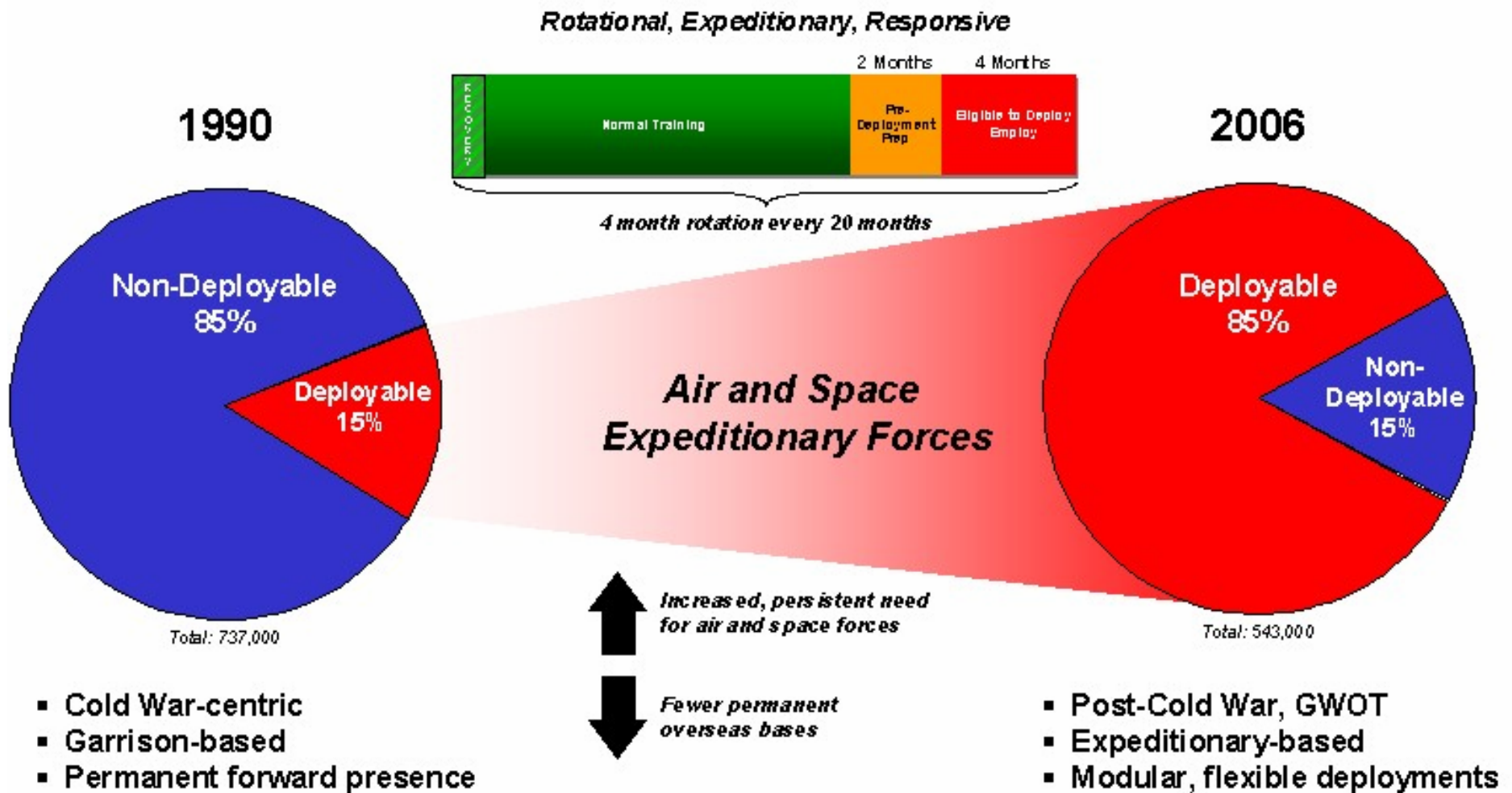
## A “Typical” AEF

### AEF Deployment Timeline





# “Every Airman Deployable”





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# *Global Strike . . . Preserving Sovereign Options*

- **Global Strike** – Ensure continuous 5th Generation fighter industrial base, and develop next generation LRS capability (increased range, payload, with rapid response)
  - **F-22A: Air dominance** – integrated avionics & sensors, advanced stealth, and super cruise insure a lethal, survivable, and unrivaled A/A capability
  - **F-35: Precision strike** – multi-role stealth fighter meeting the future needs of the AF, Navy, USMC, and our Coalition Allies
  - **Long Range Strike:** Modernize the legacy fleet (B-1, B-2, & B-52) & field a next generation bomber capability by 2018 (enhanced speed, range, payload, connectivity, & survivability)







## *Enhancing Joint Warfare – Global Strike (CAS)*

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- **A-10C – Upgrade the A-10 to “precision engagement” configuration – new cockpit avionics/flight controls and the ability to drop any bomb in Air Force inventory will enhance the CAS kill chain in irregular operations.**



- **Gunship: Increase AC-130 fire control accuracy, improved multi-spectral sensor for enhanced target ID, and ROVER feeds (from Predator/Warrior); begin study for next generation gunship**





## *Enhancing Joint Warfare – Global Strike (Special Ops)*

- **Special Ops – CV-22 acquisition (50 aircraft) will provide a revolutionary capability to our special ops forces**
- **CSAR-X: 141 CSAR-X to replace HH-60G. Combat Search And Rescue is a core AF competency that must be recapitalized — leave no one behind on the battlefield.**





## ***Enhancing Joint Fires and Effects***

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- **Increasing terminal attack controllers by 1,000 and adding 120 Combat Aviation Advisors**
- **Joint Fires Integration and Interoperability team started at Eglin in Feb 2005 (JFCOM)**
- **Equipping Theater Airborne Reconnaissance System (TARS) with SAR for all weather, night, and real-time CAS**
- **Activating AFSOC Predator sqdn**
- **Small Diameter Bomb (SDB) fielded & deployed in combat operations this month**

**Close Air Support is a key Air Force capability for expeditionary operations**



## *Global Mobility*

# ***"Get There the Fastest With the Mostest"***

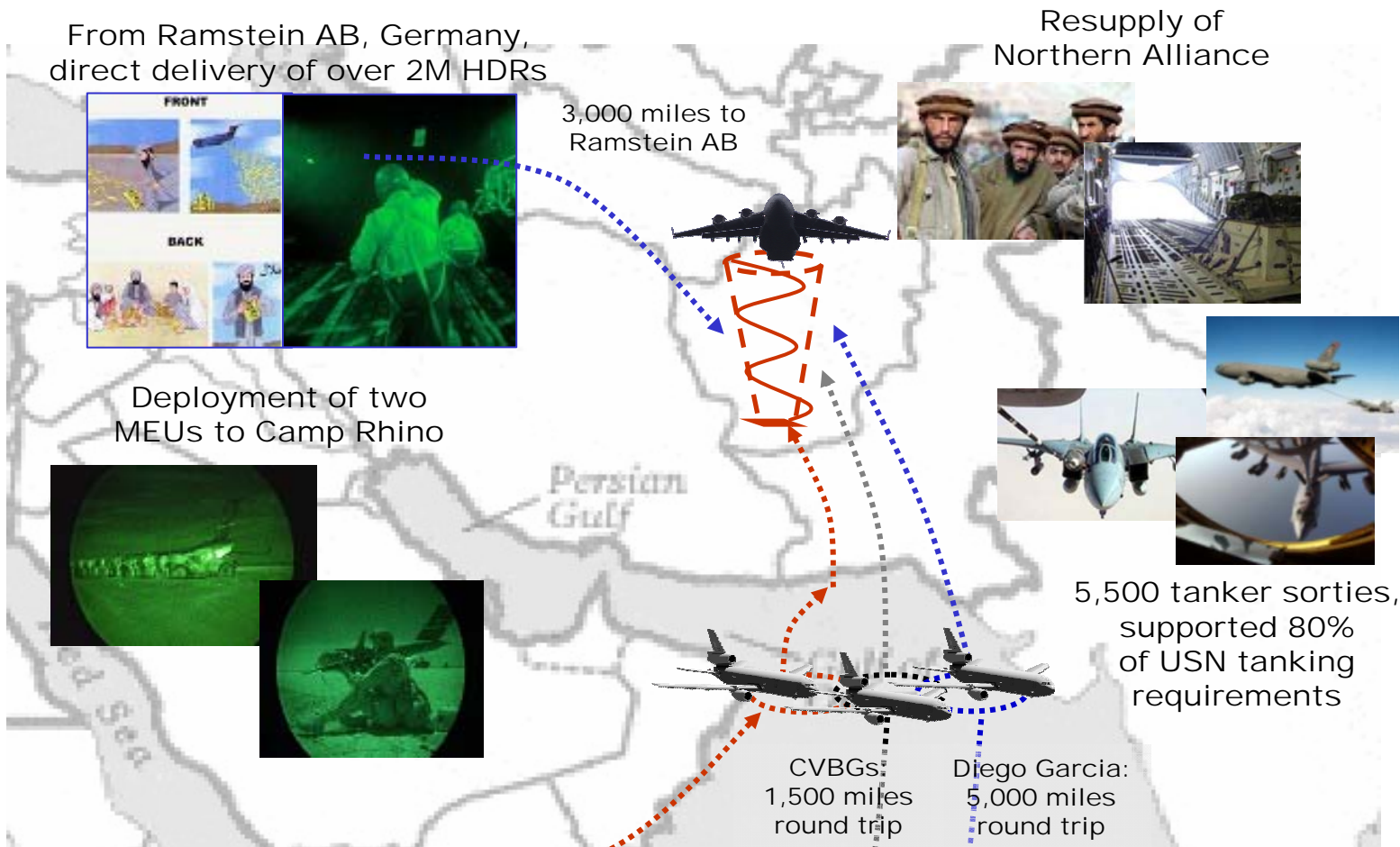
- **Global Mobility – We have an urgent need to replace 45-year old tankers, modernize legacy airlift aircraft, and procure a Joint Cargo Aircraft (JCA)**
  - **KC-X: AF must start recapitalizing aging tanker fleet now, and most cost-effective option is a fleet of new, medium-to-large commercial derivative tankers**
  - **JCA: AF is DoD's airlift provider, and JCA will provide a niche capability to support joint warfighters at home and in the field**
  - **C-17: A modernized C-5 fleet combined with a 190 aircraft C-17 fleet enables the Air Force to manage risk effectively now and in the future (defined by the QDR-validated Mobility Capabilities Study)**





# Global Mobility

## Keeping Expeditionary Operations Sustained



**USAF Mobility Assets are critical to deployment & sustainment in anti-access environments**



## ***Flying and Fighting in Cyberspace***

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- **Persistent C4ISR – Expand global ISR capabilities in air and space, and increase our focus on Cyberspace**
  - **Space situational awareness: Keystone to dominance of space, and we will provide transformational space surveillance and modernized legacy capabilities**
  - **MQ-1/RQ-4: To meet joint warfighting requirements, fulfill QDR commitment to 21 MQ-1 orbits and TFI commitment to 5 ANG MQ-1 units, and ensure seamless transition from U-2 to RQ-4**
  - **DCGS: Expanded weapon system capabilities and integrated Total Force with two new ANG sites and ARC manpower**
  - **AEHF / WGS / TSAT: Recapitalized MILSATCOM fleet to deliver more bandwidth to the joint warfighters**
  - **Objective Gateway: Funded airborne data relay platform to allow robust netcentric operations to support the joint warfighters**



## ***Expeditionary Reachback ...Moving Data...Not People***

- **OEF and OIF clearly demonstrated the practical application and advances the Air Force has made in “reachback” using systems like Predator and Global Hawk coupled with advances in C4ISR**
  - **Stateside AF units sent over 30,000 reports and identified over 1,000 targets for forward deployed units**
  - **Instead of deploying 2,000 airmen, only 90 were needed to move forward**
  - **The Air Force saved between \$6-15 million dollars by not deploying two intelligence ground stations and eliminated 34 C-5 airlift missions**
  - **Reachback also reduced the kill chain timeline in OIF to minutes**
- **Future conflicts will feature on demand space sensors, shared battlefield picture via UAVs, & persistent near-space surveillance**

**Persistent C4ISR uses “Reachback” to Support Forward Presence**





# *Agile Combat Support*

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- **Agile Combat Support – Become more efficient and effective to free up resources to support COCOM warfighting needs and transformation**
  - **Manpower/Contractor Redux: We must resize and reshape the force to live within allotted resources while meeting our obligations as an integral part of the interdependent, joint force**
    - **Remaining focused on supporting joint warfighters and OPLANS**
  - **Operational Risk: Assumed additional operational risk to balance GWOT with recapitalization and modernization requirements**
    - **Reduced flying hours, DPEM, MILPERS, & infrastructure**
  - **Infrastructure: Funded critical new mission requirements while limiting investment in Cold War infrastructure**





## ***Agile Combat Support Forces Will Enhance Joint Basing at Guam***

- **The Air Force plans for rotating/basing bombers, fighters, Global Hawks, and KC-135s at Anderson AFB**
  - **554<sup>th</sup> Red Horse Sqdn began move (Korea to Guam) last week**
  - **36<sup>th</sup> WG Contingency Response Group**
    - **Mobility Response Squadron**
    - **Security Forces Squadron**
    - **Medical Squadron**
    - **Intelligence Division**
    - **Logistics Planning Division**
    - **Combat Support Trng Squadron**
- **Starting in 2008, the III MEF HQ and 8,000 marines move to Guam**
- **USN wants ability to service CVNs and will add SSGNs to Guam basing**
- **This summer, the Valiant Shield exercise at Guam involved 30 warships, 280 aircraft, and 22,000 personnel**
- **Agile Combat Support and Guam Joint Basing play a vital role in our Pacific Strategy**





## *Summary*

# *The Air Force in Expeditionary Operations*

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- U.S. national security and defense strategy stresses the need for the U.S. military to be expeditionary
- The USAF has been expeditionary since the end of the Cold War
- AEFs are the Air Force's way to organize and present its forces to the COCOMs
- The Air Force is a part of the joint, interdependent warfighting team with distinctive capabilities in:
  - **Global Strike** – The ability to provide Strategic Attack, Interdiction, or immediate CAS to those fighting the enemy “danger close”
  - **Global Mobility** – Getting forces to the fight and supplying our main operating bases and forward operating locations
  - **Persistent C4ISR** – Provide an “unblinking eye” from the national command authority down to the soldier on point
  - **Agile Combat Support** – Providing responsive support to the expeditionary warfighter

***Today's Air Force is Fighting  
an Expeditionary War..."***

*- General Moseley, CSAF*



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# *The Interdependent Fight*



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# Questions?



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