

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

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*Integrity - Service - Excellence*

## **Force Multipliers for the Joint Battlespace: Issues, Challenges and Opportunities**



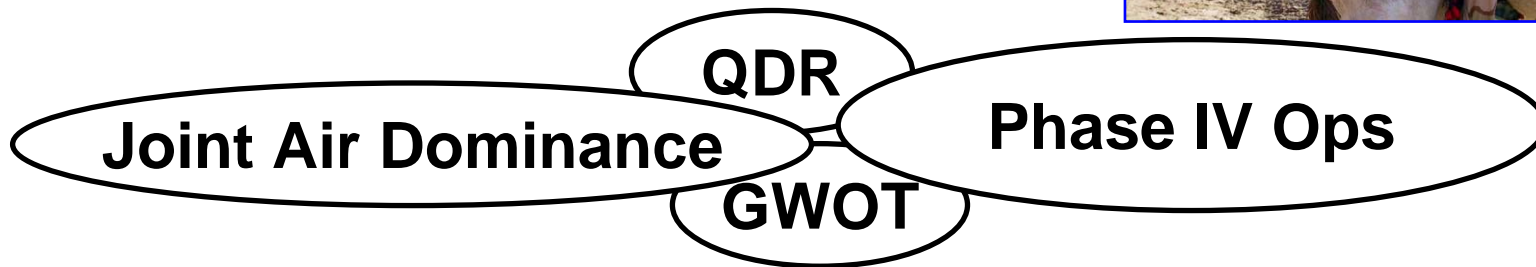
**This briefing is UNCLASSIFIED**

**Brig Gen “Andy” Dichter  
Deputy Director  
AF Operational Capability Requirements  
(AF/XOR)**



Introduction  
Context  
Issues & Challenges  
Opportunities

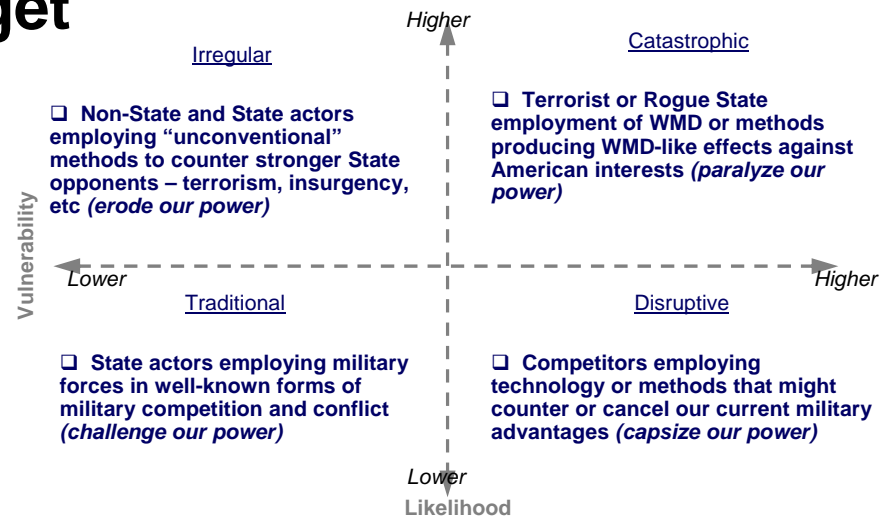
# Introduction





# Context from An Airman's Perspective

- Nation at War
- Transformation to Capabilities-Based Planning
- Demands on the Budget
- QDR as a Backdrop



- Air Dominance

Overmatch, Excess or Balanced?



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# Department's End-to-End Process

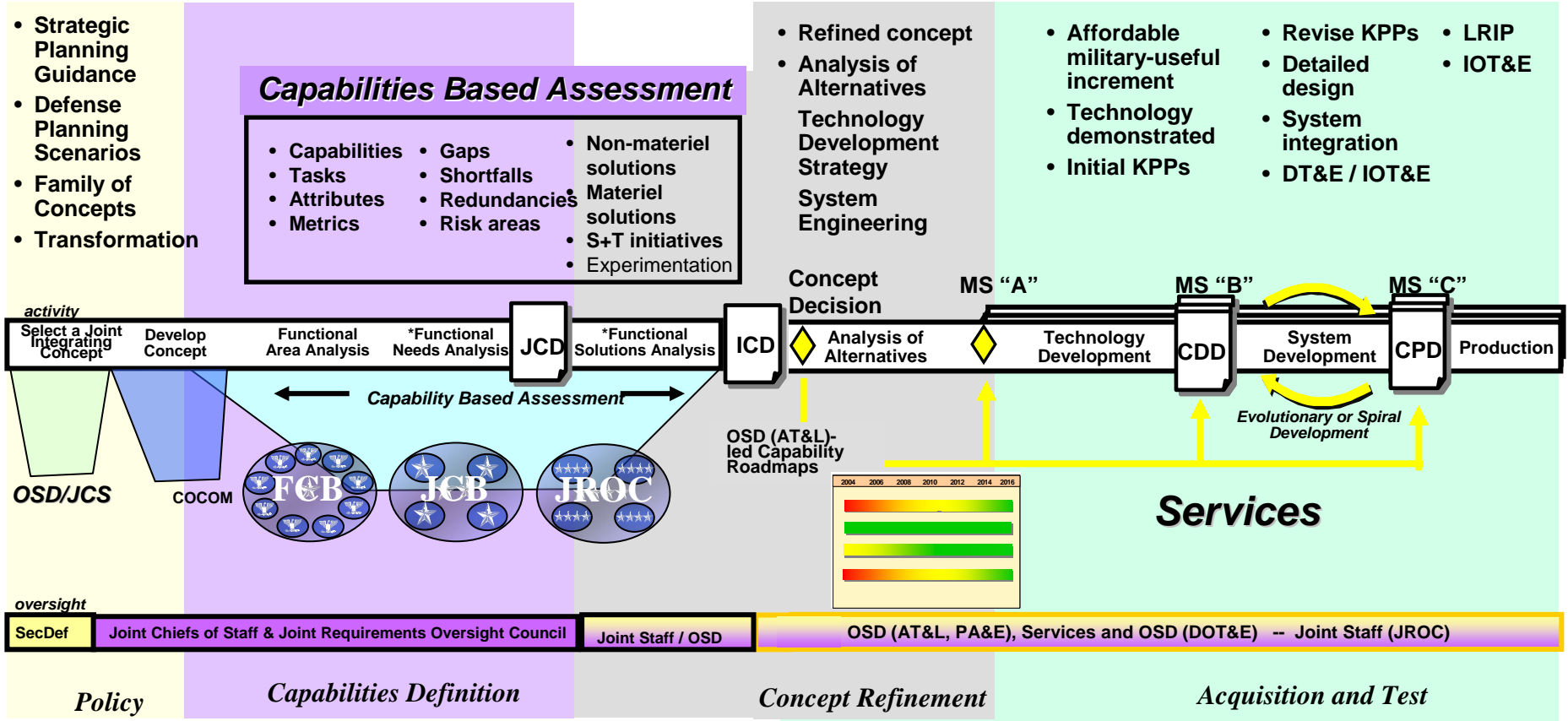
DAB Capability Area Reviews (CARs)

## Capabilities Based Assessment

- Capabilities
- Tasks
- Attributes
- Metrics
- Gaps
- Shortfalls
- Redundancies
- Risk areas
- Non-materiel solutions
- Materiel solutions
- S+T initiatives
- Experimentation

- Refined concept
- Analysis of Alternatives
- Technology Development Strategy
- System Engineering

- Affordable military-useful increment
- Technology demonstrated
- Initial KPPs
- Revise KPPs
- Detailed design
- System integration
- DT&E / IOT&E
- LRIP
- IOT&E



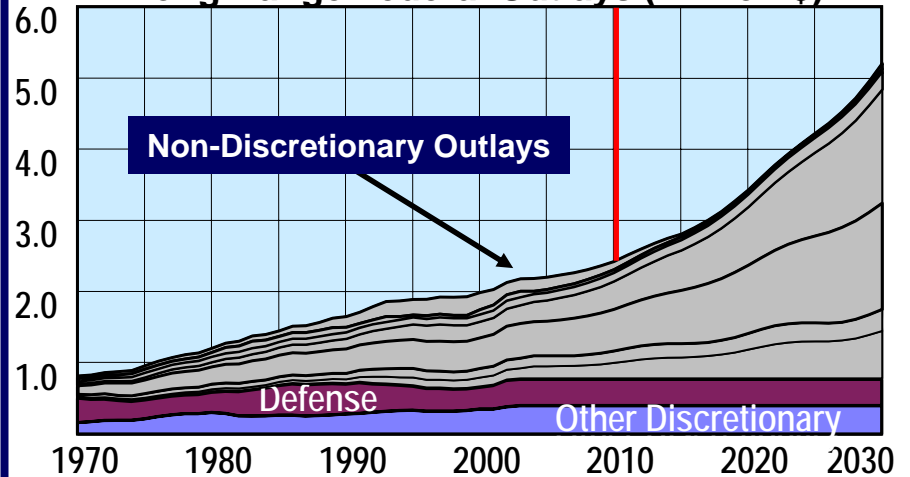


# External Forces May Drive DoD's Budget South

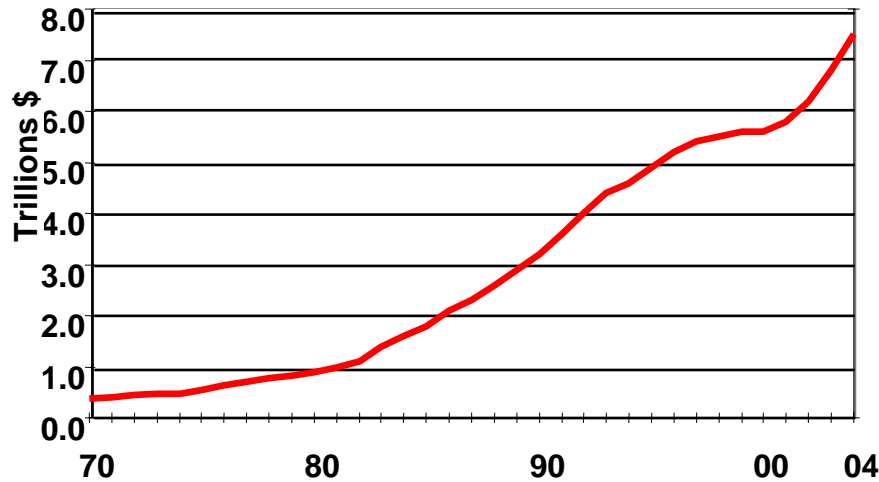
## Powerful Political-Economic Forces Are in Play

- Boomer Retirements
- Social Security Reform
- Tax Reform
- Growing Deficit
- Imbalance of Payments
- \$60B per year for Global War on Terror

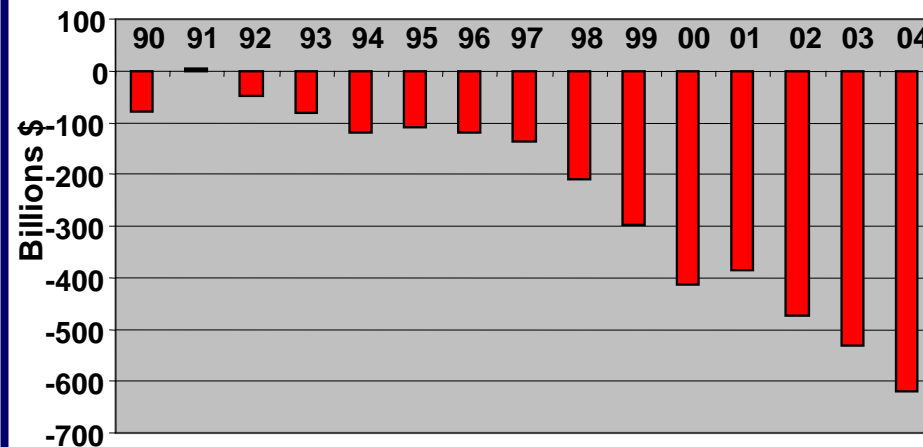
Long Range Federal Outlays (Trillion \$)



Federal Debt 1970-2004



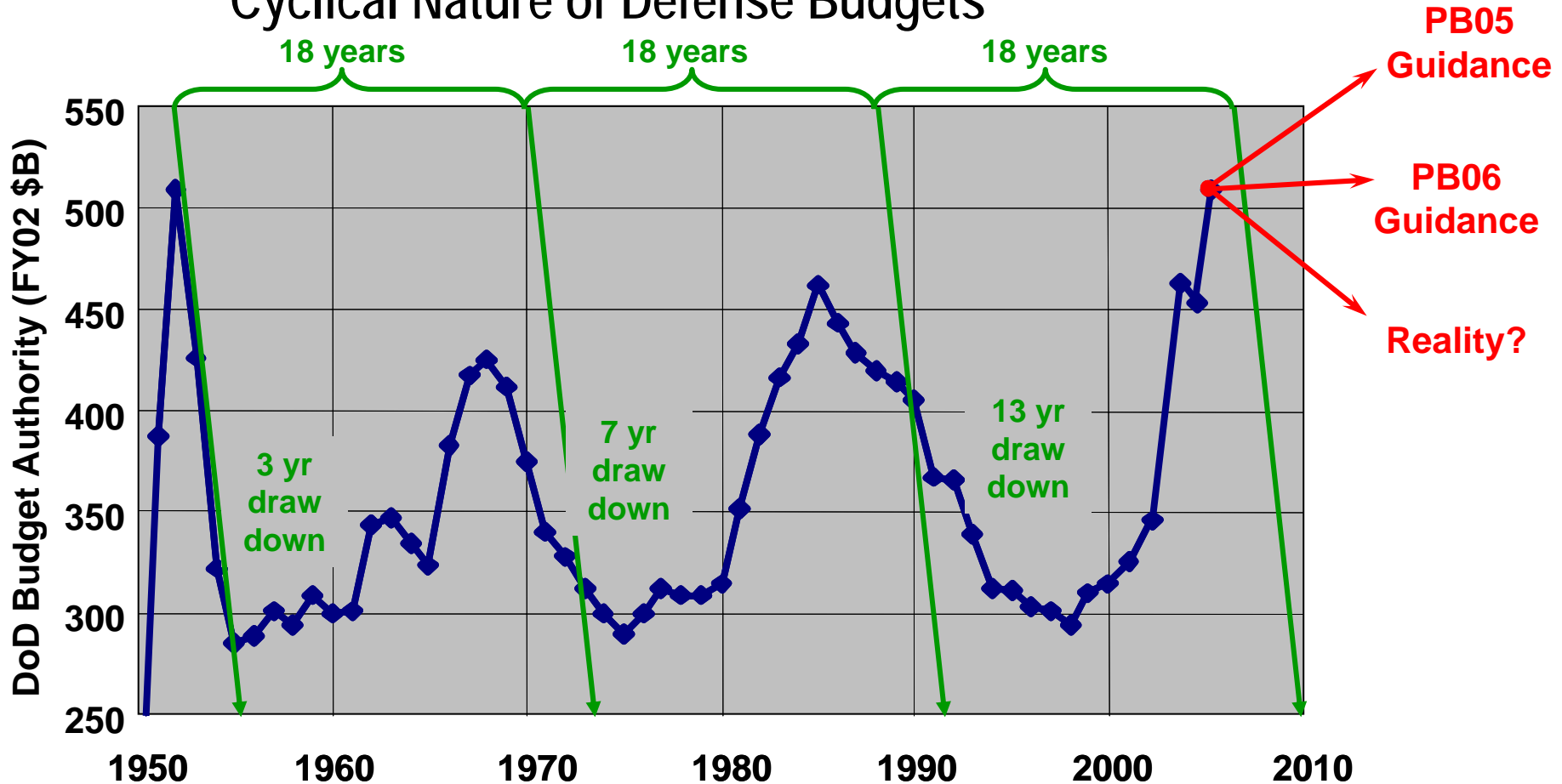
Balance of Payments





# Where's the Defense Budget Headed Next?

## Cyclical Nature of Defense Budgets

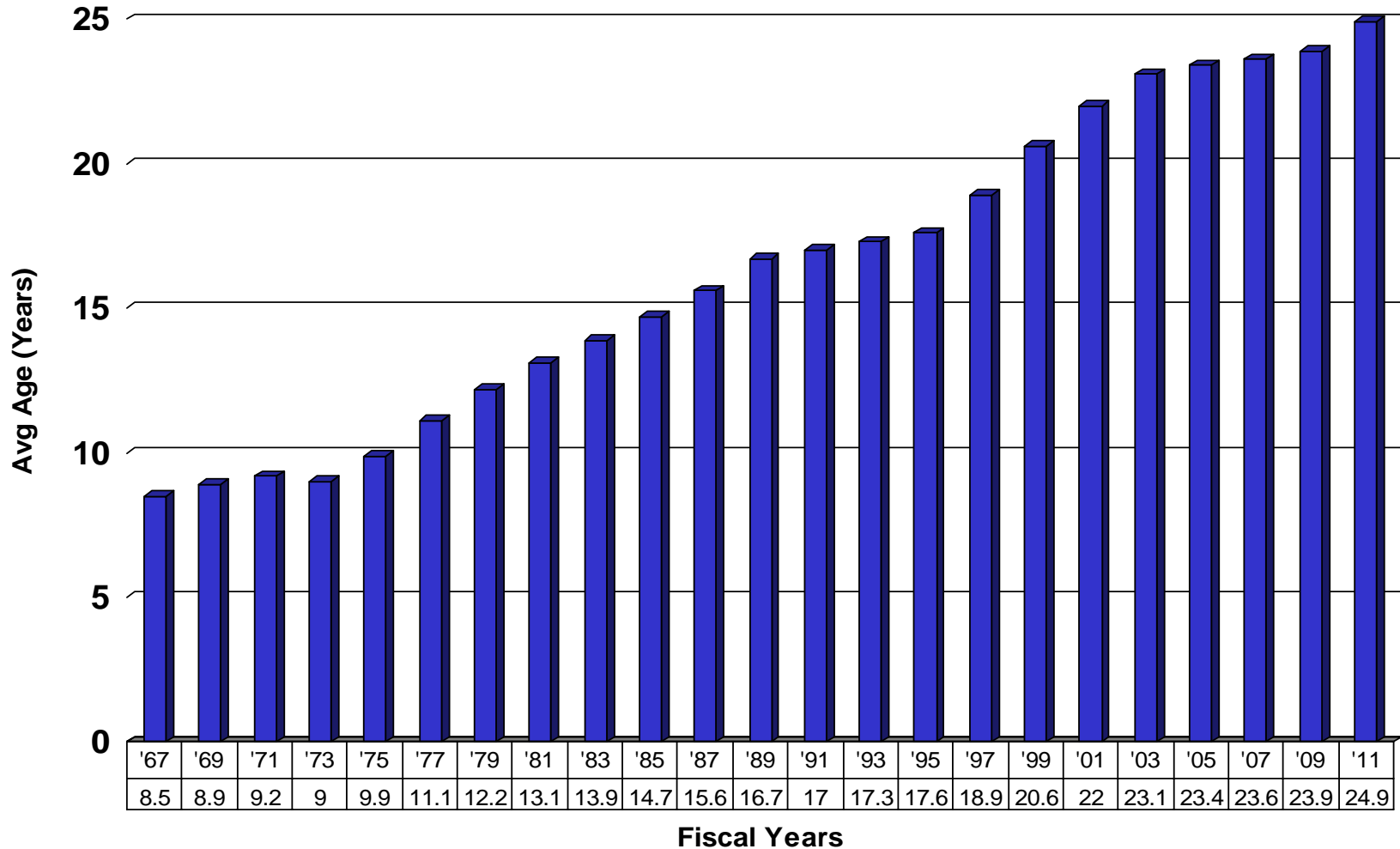


**Draw-downs occur approximately every 18 years. Is now the time?**



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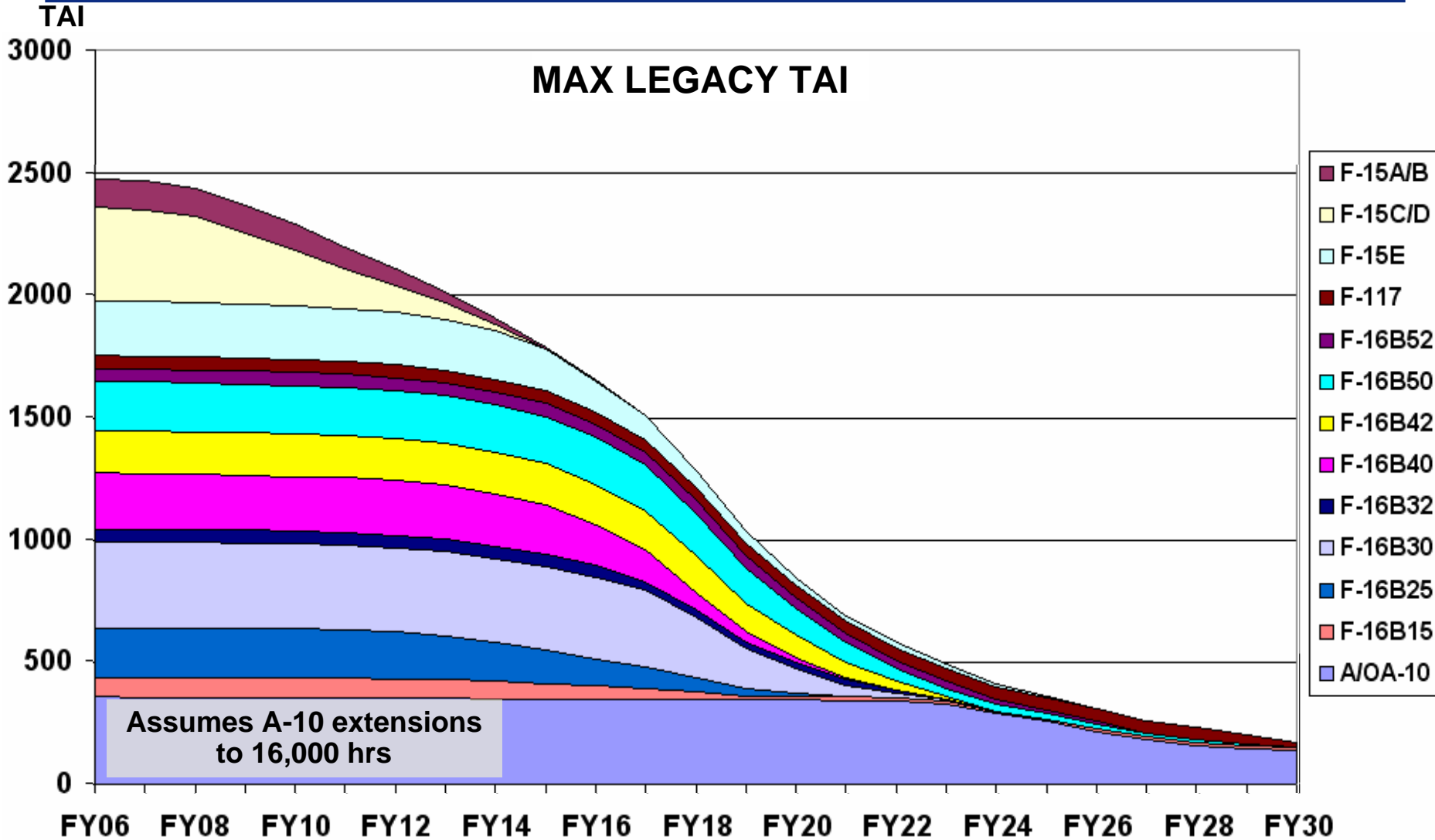
# Oldest Air & Space Force in US History





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# What the AF Has Will Not Last

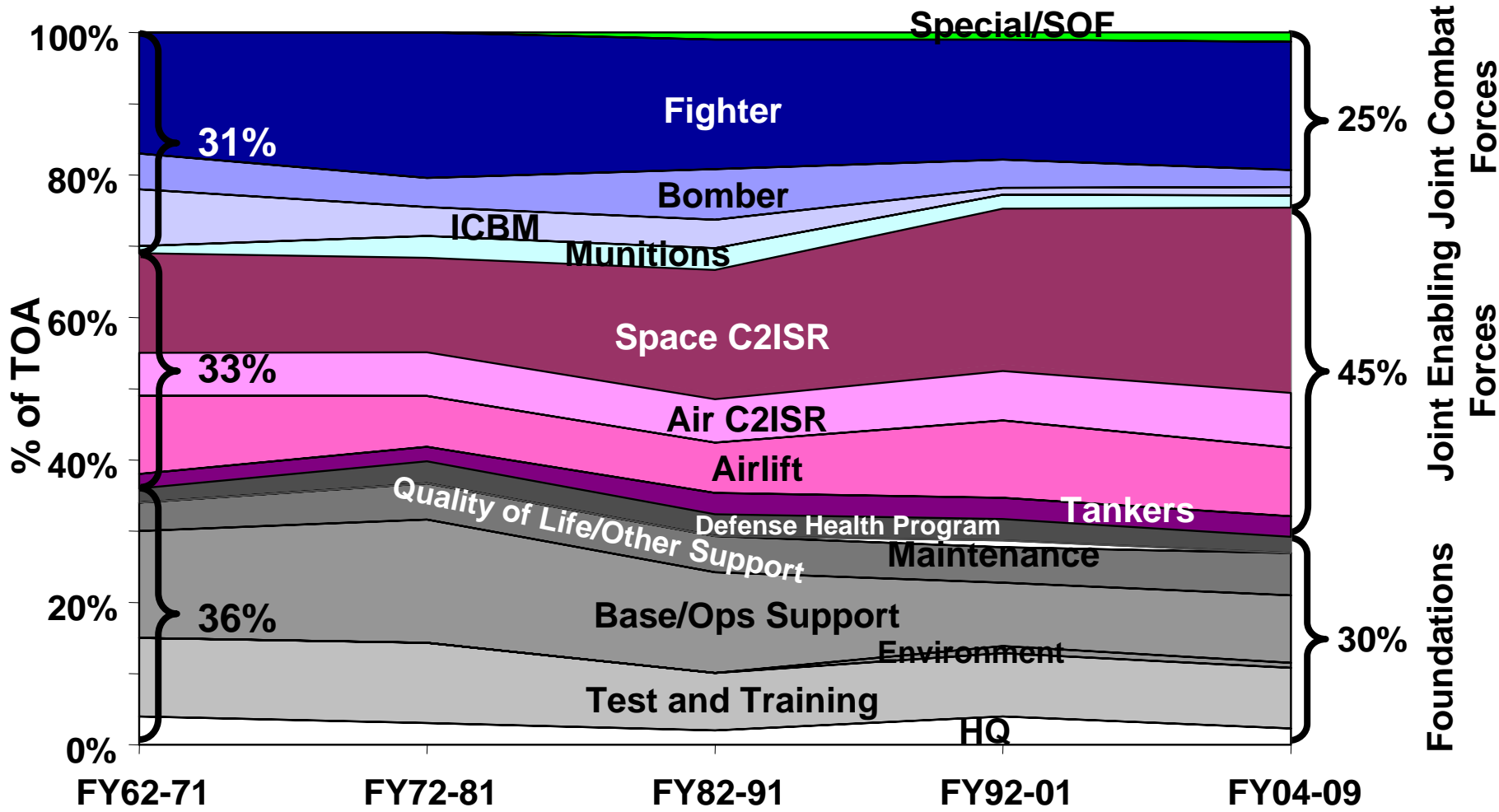






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# AF Investment: Enable the Joint Team

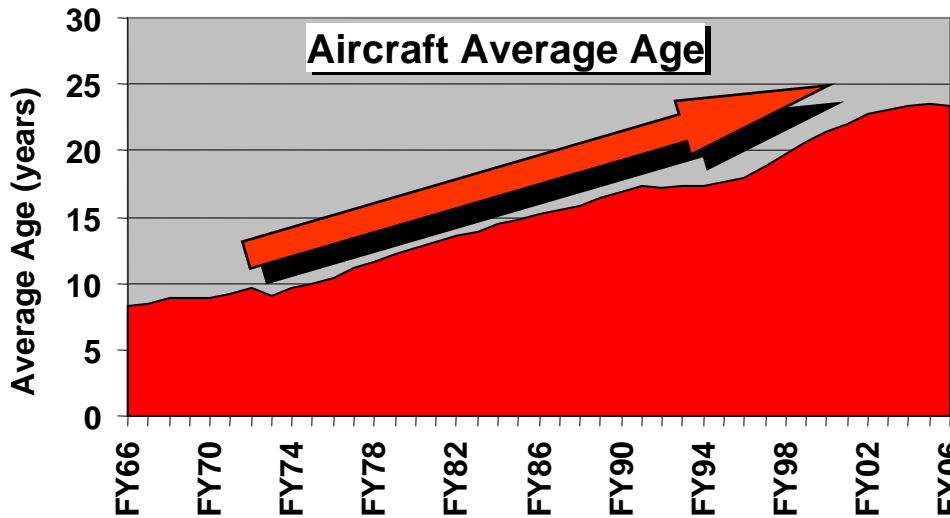
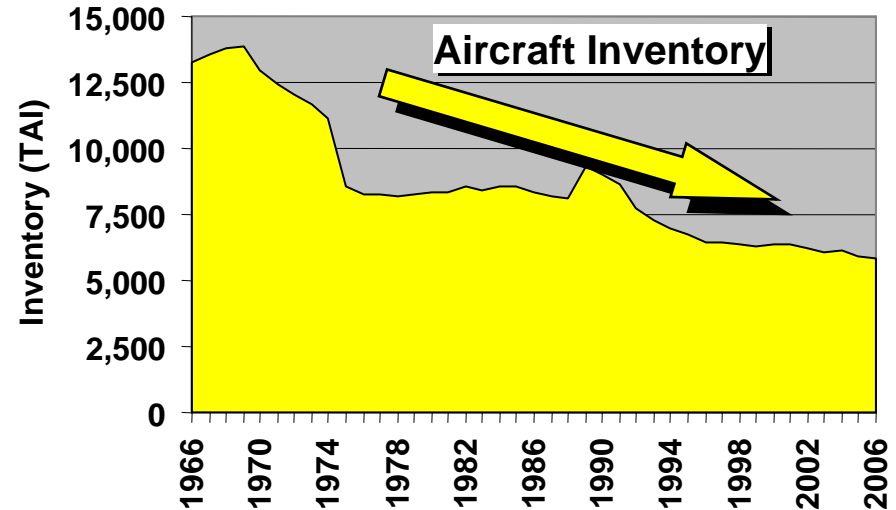
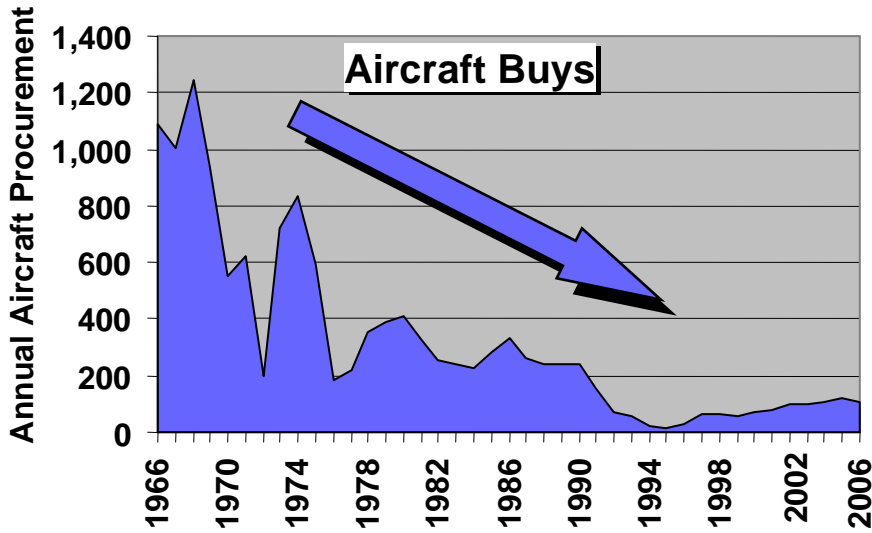


**Reductions in joint combat forces and foundations paid for increased emphasis on joint enabling forces**



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# Where We've Been:



**USAF Buys & Inventory Way DOWN - Average Age Way UP**



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# Transforming the Force



## Innovative Concepts

- CONOPS/CRRA
- Agile Acquisition

## Future Total Force

- Integrating Active/Guard/Reserve (JSTARS, Predator Nellis, Richmond Wing)

## Technology Application

- Stealth
- Directed Energy
- Precision Munitions
- GPS

## Network Centric

- Air Operations Center
- Link 16

## Mixing Old with New

- Close Air Support w/heavy bombers
- Special Ops

## Recapitalize the Force

- Aircraft
- Real property

## Modernize the Force

- F/A-22, C-17, KC-X
- ISR, E-10A/B/C



## AF 2025 Transformed Future Force



- Global Military Leverage
  - Control Air and Space
  - Exploit the Medium
- Joint Enabling
- Smaller/More Capable

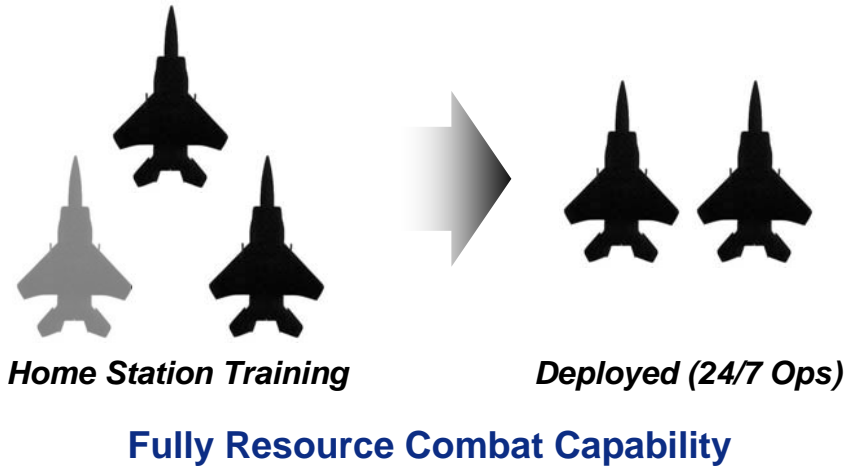




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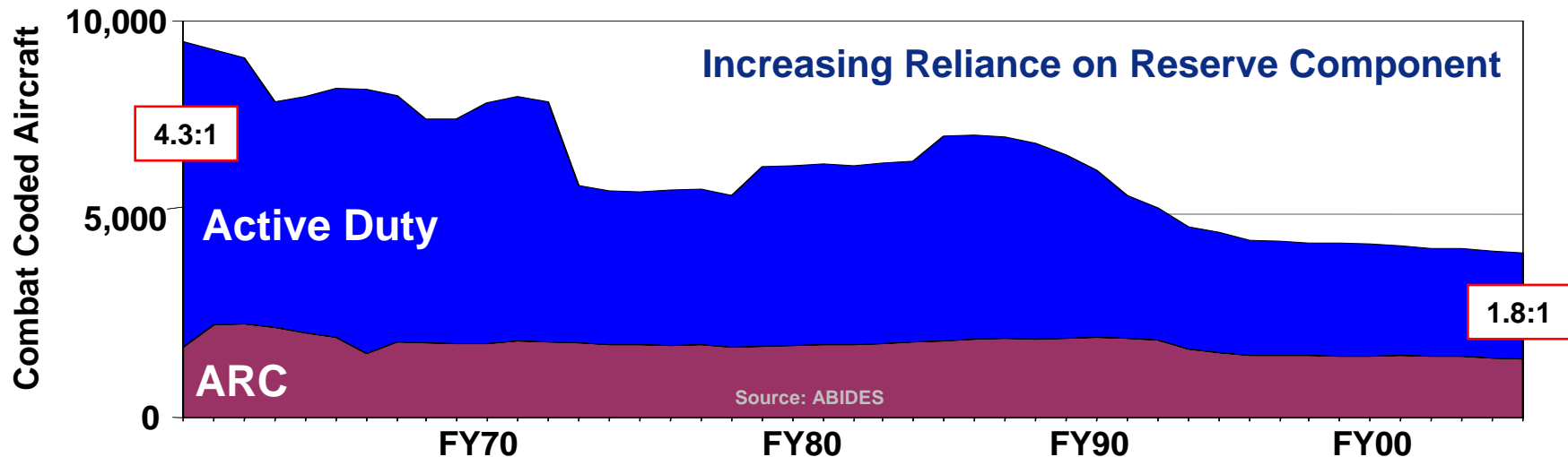
# Operational Efficiencies: Through Transformation

## Three Squadrons to Send Two



## Solution:

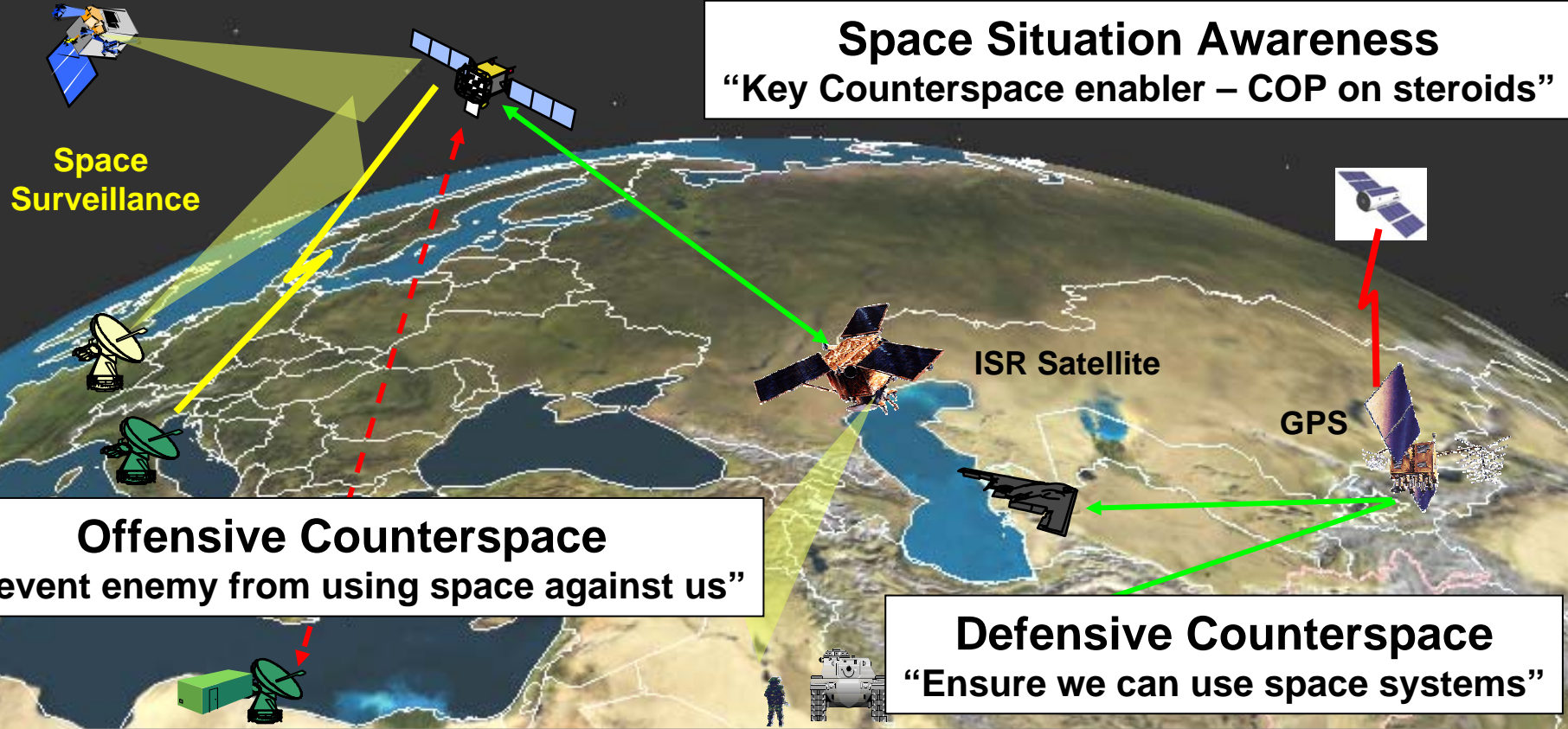
- Retire least capable, most expensive aircraft
- Retain most capable and experienced personnel
- Stand-up CAF Associate Unit organizations





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# Space Control & Space Superiority



Counterspace ... Operations to **attain and maintain** a desired degree of **space superiority** by allowing **friendly forces to exploit space** capabilities while **negating an adversary’s ability** to do the same (AFDD 2-2)



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# Net Centric Warfare -- 2005

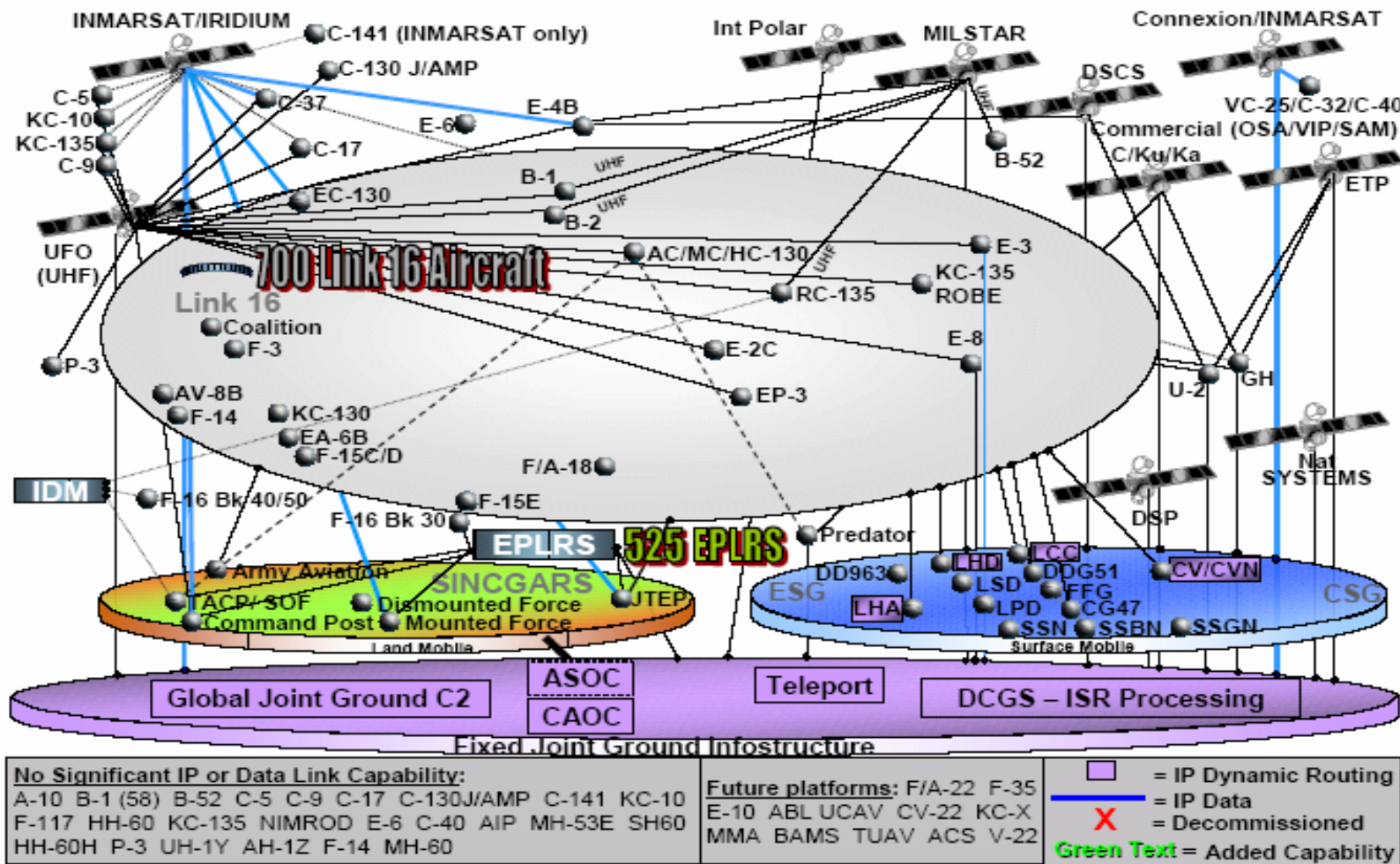


Figure 5.3—Air Force FY 2005 Communications Network Architecture

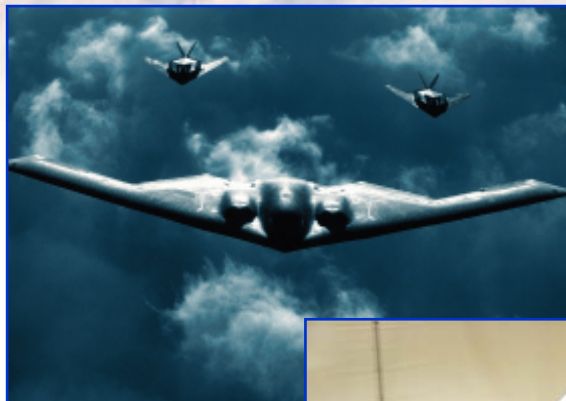






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# More Capable, Multi-Role / Multi-Function Aircraft





# Joint Air Dominance Into the Future

- **Two Decades of Dominance**
- **No Peer Today in Wealth, Technology or Capability**
- **Competition / Challenges on the Horizon**
- **Focus / Emphasis for the Future**



# 2025 Future Total Force

## ■ Modernization with Aggressive Divestment

- Meets OSD fiscal Guidance
- Manages Investment bow wave

## ■ Smaller Force, Increased Capability

- 25% fewer fighters
- Higher crew ratios for increased utilization
- 100% PGM capable and 90%+ LO fighter force

## ■ Even More Support to Joint Enablers

- More airlift/refueling capability from smaller force
- Rejuvenated more capable space constellations
- 24/7, all weather, persistence air breathing ISR
- All weather CAS

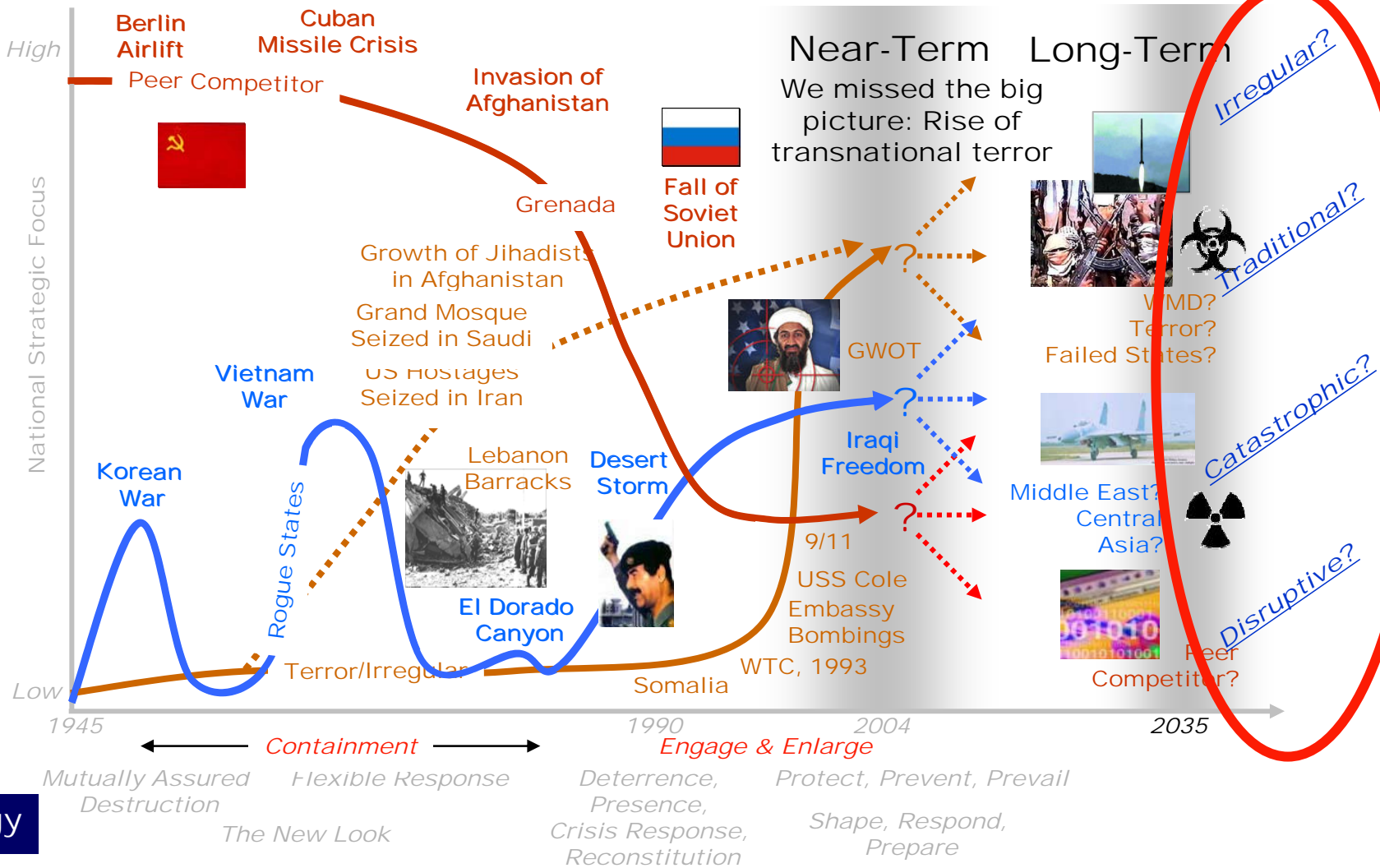
## ■ Re-organize/Re-shaping for the Future

- Integrating Active, Guard and Reserve
- Battlefield airmen to support all ops
- Properly aligned warfighting HQ and Space
- More AEF deployable personnel

**RANGE**  
**PAYLOAD**  
**PERSISTANCE**  
**ACCESS**  
**SURVIVABILITY**



# The Planner's Dilemma: Now, Then, and In Between



Strategy