

# ***Air Force Global Strike Command***

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*To Deter and Assure*

## ***Air Force Global Strike Command***

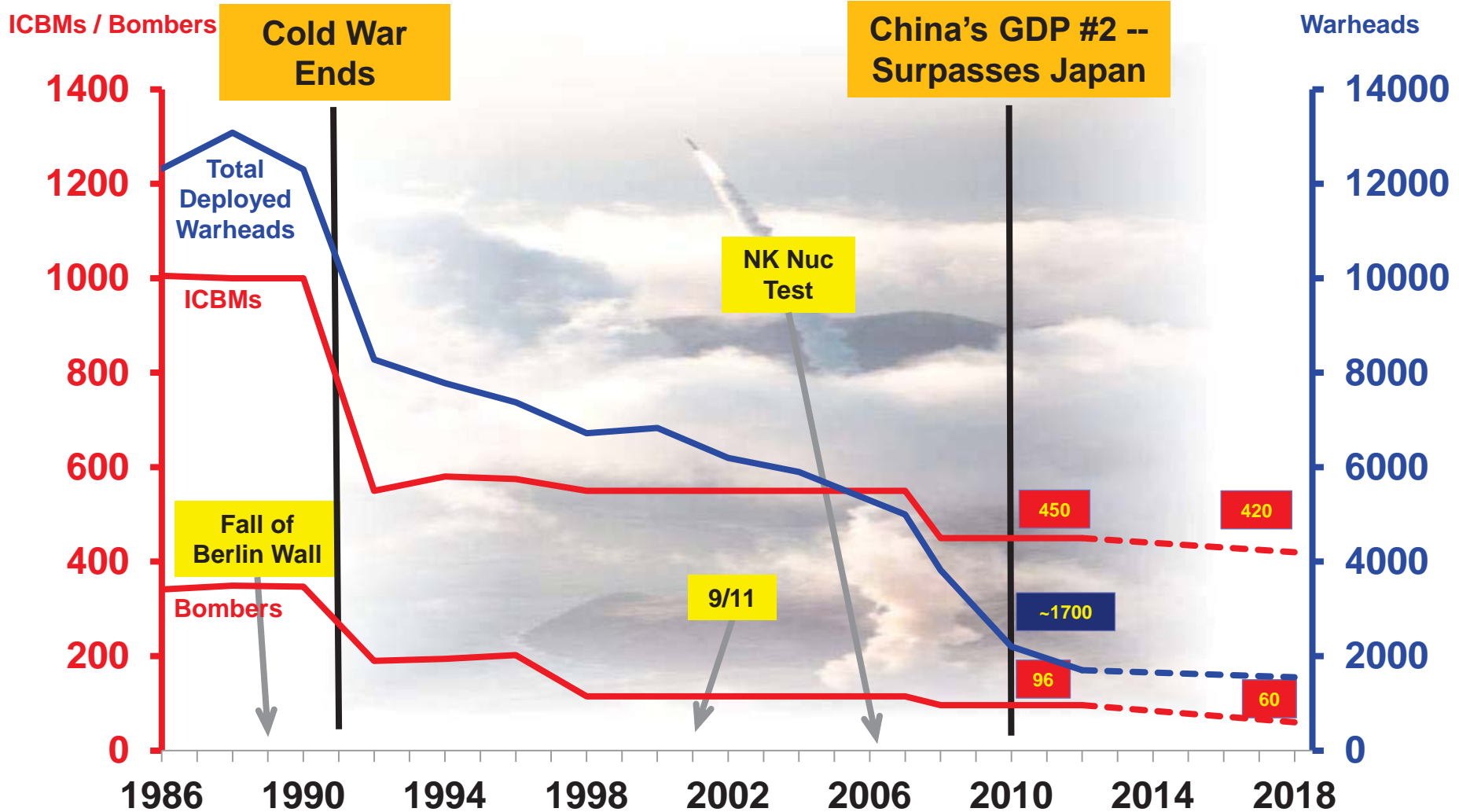


Obtained by Hans M. Kristensen  
Federation of American Scientists  
Available at <http://blogs.fas.org/security>

**Lt Gen James M. Kowalski**  
**Commander**  
**7 May 2013**



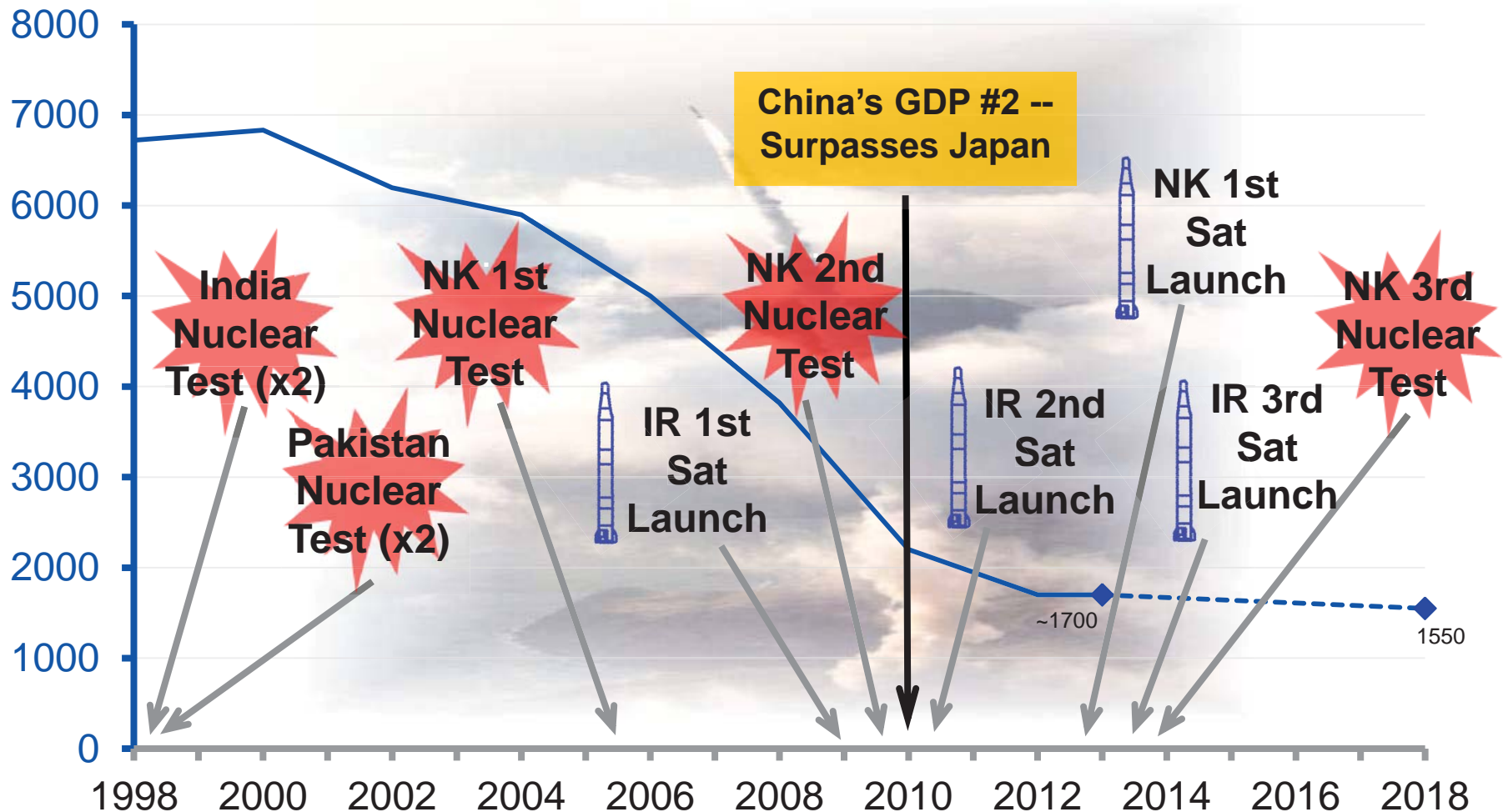
# National Security Focus





# National Security Focus

Total Deployed Warheads





# Nuclear Mission

“Make no mistake: ***as long as these weapons exist***, the United States ***will maintain a safe, secure and effective arsenal*** to deter any adversary, and guarantee that defense to our allies.”

President Barack Obama  
Prague, 5 April 2009



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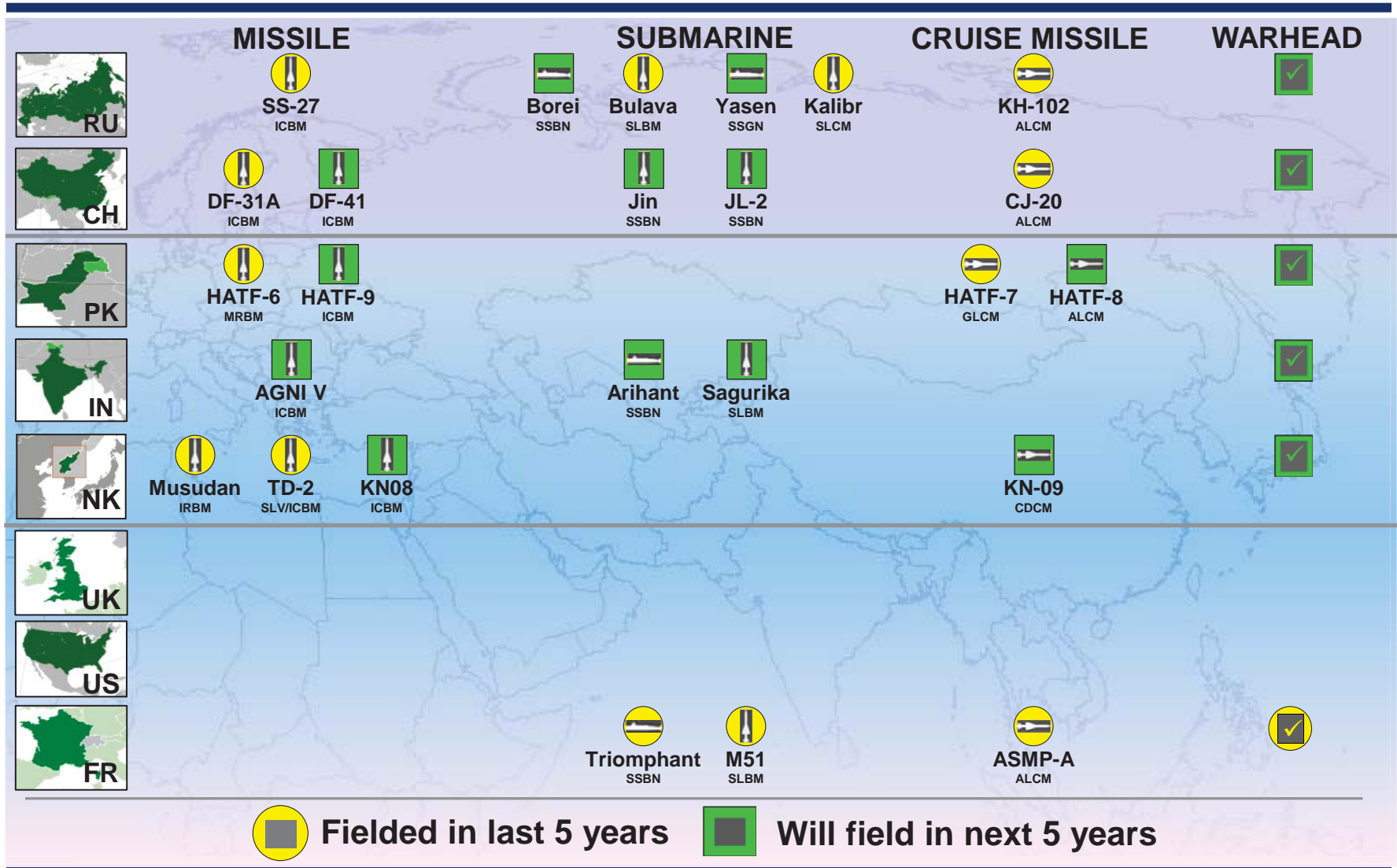


US Air Force Global Strike Command  
Command Briefing (May 7, 2013)  
Obtained by Hans M. Kristensen  
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# Weapons Modernization

Note: The Chart Includes Only Systems That Are Considered Nuclear-Capable (Note added by FAS)



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# Nuclear Mission

## USSTRATCOM Perspective



Tu-95 Bear Bomber



Admiral Dolgorukiy



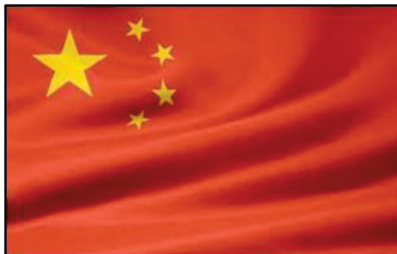
SS-27 ICBM



***“Deterrence planning and forces must fit today's unique global security environment...where several nuclear-armed states are modernizing both their arsenals and their delivery systems”***

***- General Kehler, USSTRATCOM, 30 May 2012***

DF-31 ICBM



JIN-class Submarine



H-6 Bomber



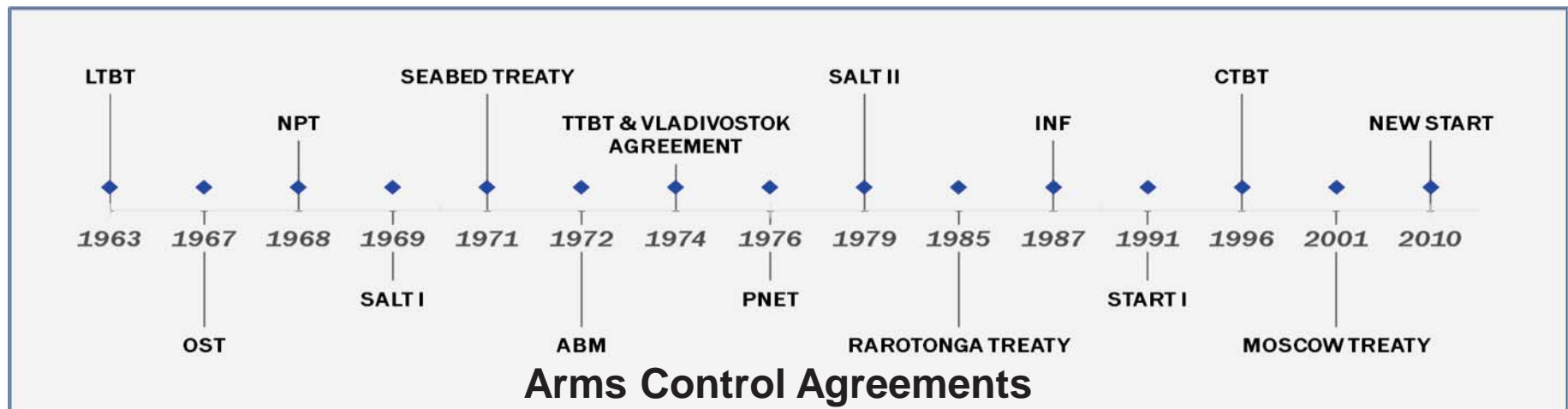
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# Strategic Stability

- Nuclear deterrence provides strategic stability with Russia and China
  - Framework for mil-to-mil and diplomatic engagement
  - Improves transparency and mutual confidence





# ***Regional Deterrence***

- **U.S. nuclear forces are part of a regional deterrence architecture**
  - **Continued provision of extended deterrence to assure allies and partners of our commitment**
  - **A nuclear dimension is required as long as nuclear threats to allies and partners remain**
  - **Demonstrate to adversaries that pursuit of nuclear weapons is counter to their goal of achieving military/political advantage**
  - **Nuclear umbrella provided by the Triad, tactical nuclear weapons and the ability to forward deploy nuclear weapons**



***U.S. Nuclear and Conventional Forces Underpin Regional Security***



# Assure Allies

- Nuclear assurance supports goal of non-proliferation
  - Credible nuclear deterrent and reinforced regional security architectures essential to assuring non-nuclear allies
  - Assurance supports non-proliferation goals as allies and partners not compelled to seek nuclear weapons
  - Resolve demonstrated through forward deployment of U.S. forces and provision of extended deterrence



***30 Allies Protected Under U.S. Nuclear Umbrella***



# ***AFGSC Mission Statement***

**Develop and provide combat-ready forces  
for nuclear deterrence and global strike operations...**

**-- Safe**

**-- Secure**

**-- Effective**

**to support the President of the  
United States and Combatant Commanders.**





# ***Our Vision***

**American Airmen with *special trust and responsibility*  
for the most powerful weapons in our Nation's arsenal  
... an elite, highly-disciplined team ...  
a model command.**





# AFGSC Organizations



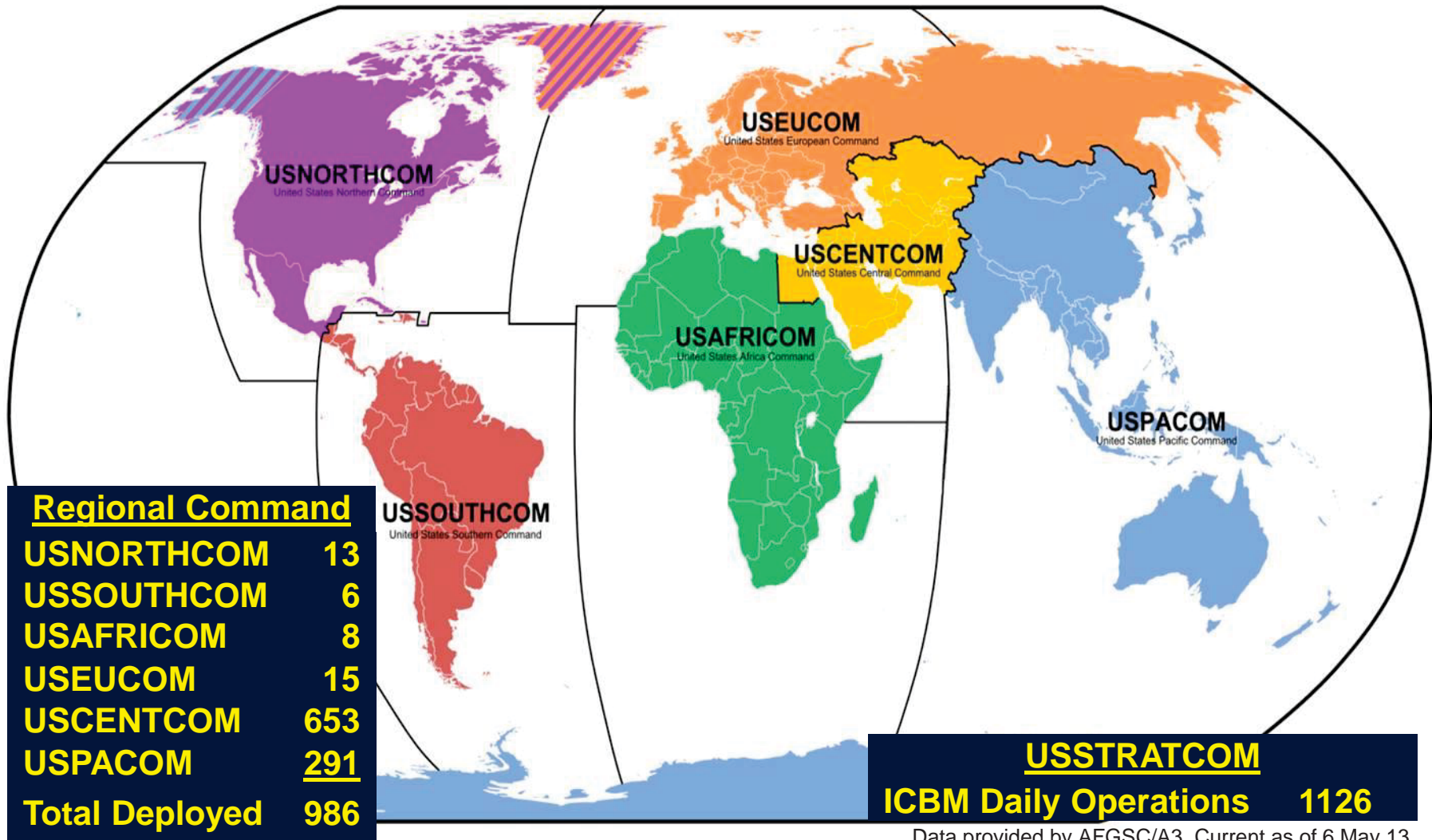


# AFGSC Partners



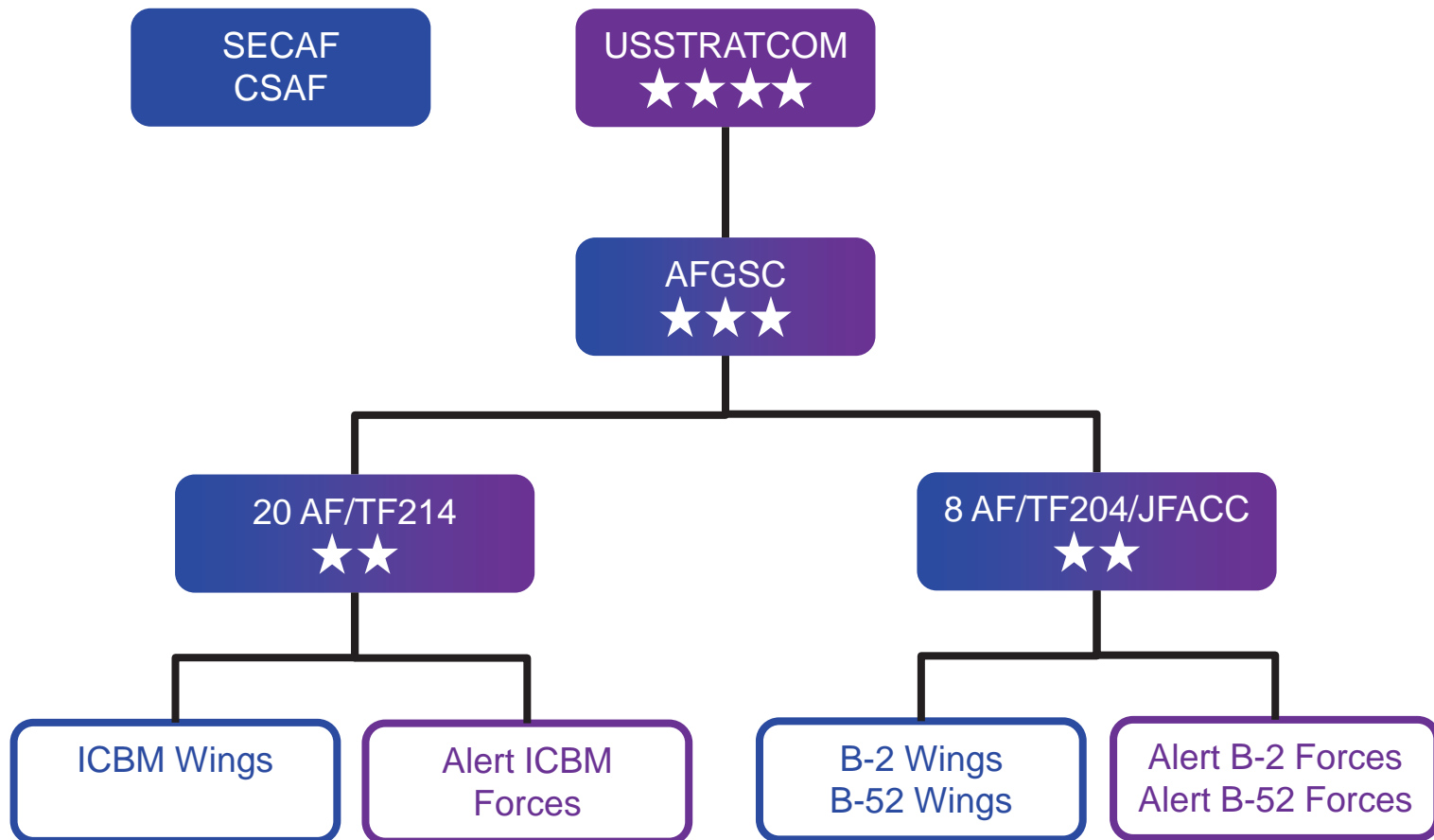


# Today's Fight





# Command Relationships





# ***Eighth Air Force***



**2d Bomb Wing**  
**Barksdale AFB**



**5th Bomb Wing**  
**Minot AFB**



**509th Bomb Wing**  
**Whiteman AFB**

**12,787 Airmen and Civilians**

**Long range nuclear and  
conventional strike**

**3,200 sorties per year**

## **B-52H Stratofortress**



- Carries widest variety of weapons
- Recently fielded Miniature Air Launch Decoy (MALD)
- Airframe viable beyond 2040
- 76 aircraft in USAF inventory

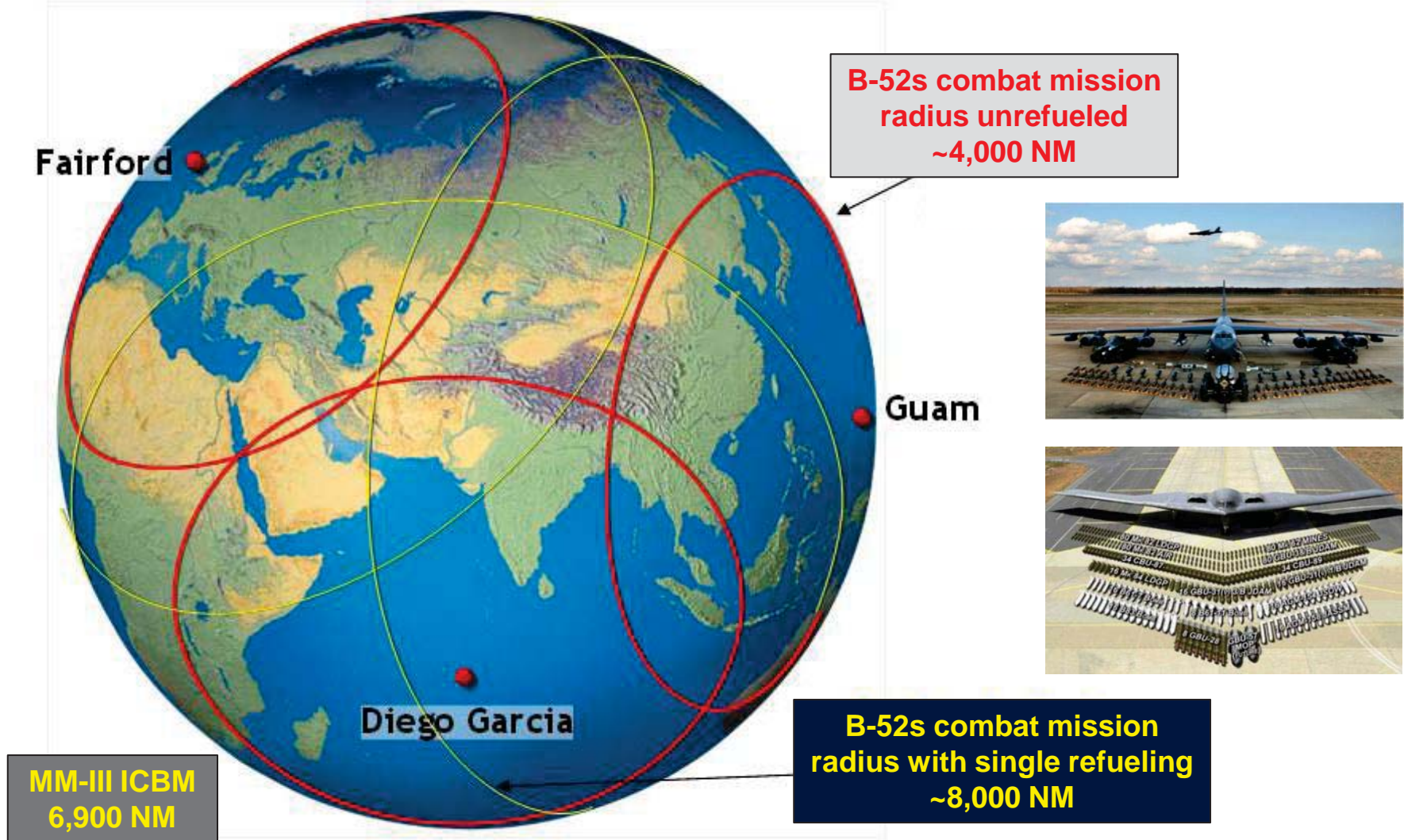
## **B-2 Spirit**



- Only long range penetrating bomber
- Recently fielded Massive Ordnance Penetrator (MOP)
- Combat capable until approximately 2058
- 20 aircraft in USAF inventory



# Long Range Strike





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# Long Range Strike

## Recent Operations

- B-1s, B-2s, and B-52s are proven workhorses
- Contributed in every major operation since end of the Cold War



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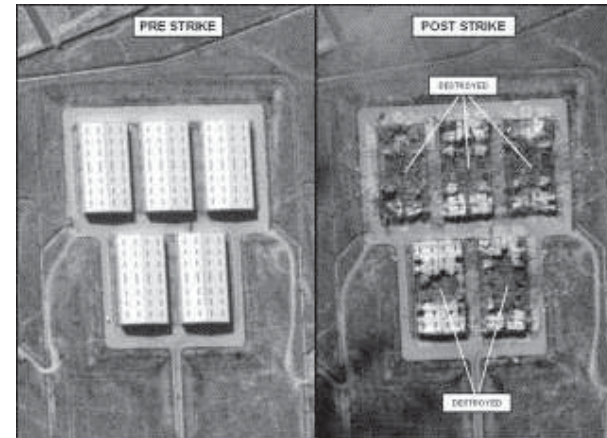
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# Operation ODYSSEY DAWN

## ■ B-2 Strike

- 4 x B-2 (3 x Strike, 1 x Airspare)
- 32.5 hour mission round trip
- 45 aircraft shelters destroyed
- Over 20 aircraft destroyed on ground



## ■ B-1 Strike

- First-ever CONUS based B-1 strike
- 21 hour mission-landed at fwd location
- Reloaded for return mission strike
- Destroyed key military facilities

***Long-range bomber crews flew .3% of the combat sorties and struck 17% of the targets***



# Twentieth Air Force



**90th Missile Wing**  
F. E. Warren AFB



**91st Missile Wing**  
Minot AFB



**341st Missile Wing**  
Malmstrom AFB

**9,265 Airmen and Civilians**  
**ICBM mission**

**Missile complexes**  
**combined equal the size of**  
**South Carolina**



## Minuteman III

- 450 remotely monitored ICBMs
- Responsive, secure command, control, and communication
- Historic 99+% alert rate
- Lowest cost leg of the triad

## UH-1N Huey

- Nuclear security mission
- 24/7/365 alert with tactical response force onboard
- 25 aircraft in AFGSC inventory





# ***Sustainment***

## **B-2**

**Extremely High Frequency SATCOM  
LO Signature & Supportability Mods  
Defensive Management System (DMS)  
Common VLF Receiver (CVR)**

## **B-52**

**Upgraded internal carriage  
Combat Network Comm (CONNECT)  
Advanced Extremely High Frequency  
Next generation weapons**

## **MM-III ICBM**

**Security enhancement  
NPR & New START  
ICBM fuze refurbishment  
Support equipment**

## **NC3**

**POTUS communication to nuclear forces  
AFGSC is AF's NC3 Architect  
NC3 Team integrates ops & sustainment  
Systems face obsolescence**



# ***Pursuing a Modern Force: No Safe Haven***

## **Ground Based Strategic Deterrent**

Follow-on to MMIII – 2030

Completed CBA and ICD

FY12 \$3.1M for pre-AoA activities

FY13 \$11.7M and \$9.4M in FY14



## **Long Range Strategic Bomber**

Nuc-capable, long range penetrator

Effects against multiple objectives

Necessary to defeat A2/AD

FY13 - \$300M | FY13 to FY17 - \$6.3B

## **Long Range Stand-Off Missile**

ALCM follow-on

Analysis of Alternatives (AoA) - FY12 4Q

AFROC/JROC - FY13 | Milestone A - FY14

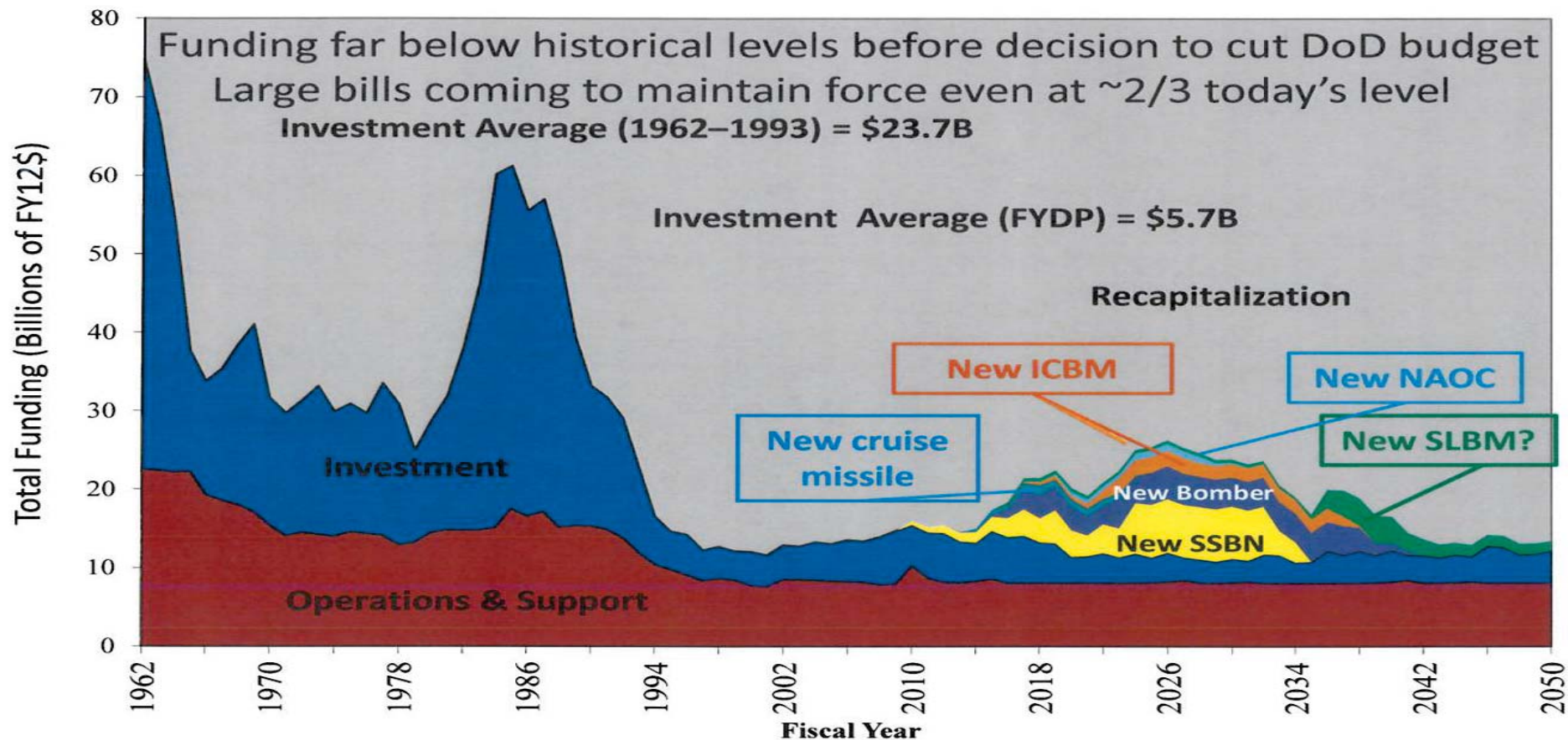
Contract award - FY15

## ***The Future is Now***



# DoD Strategic Forces Funding

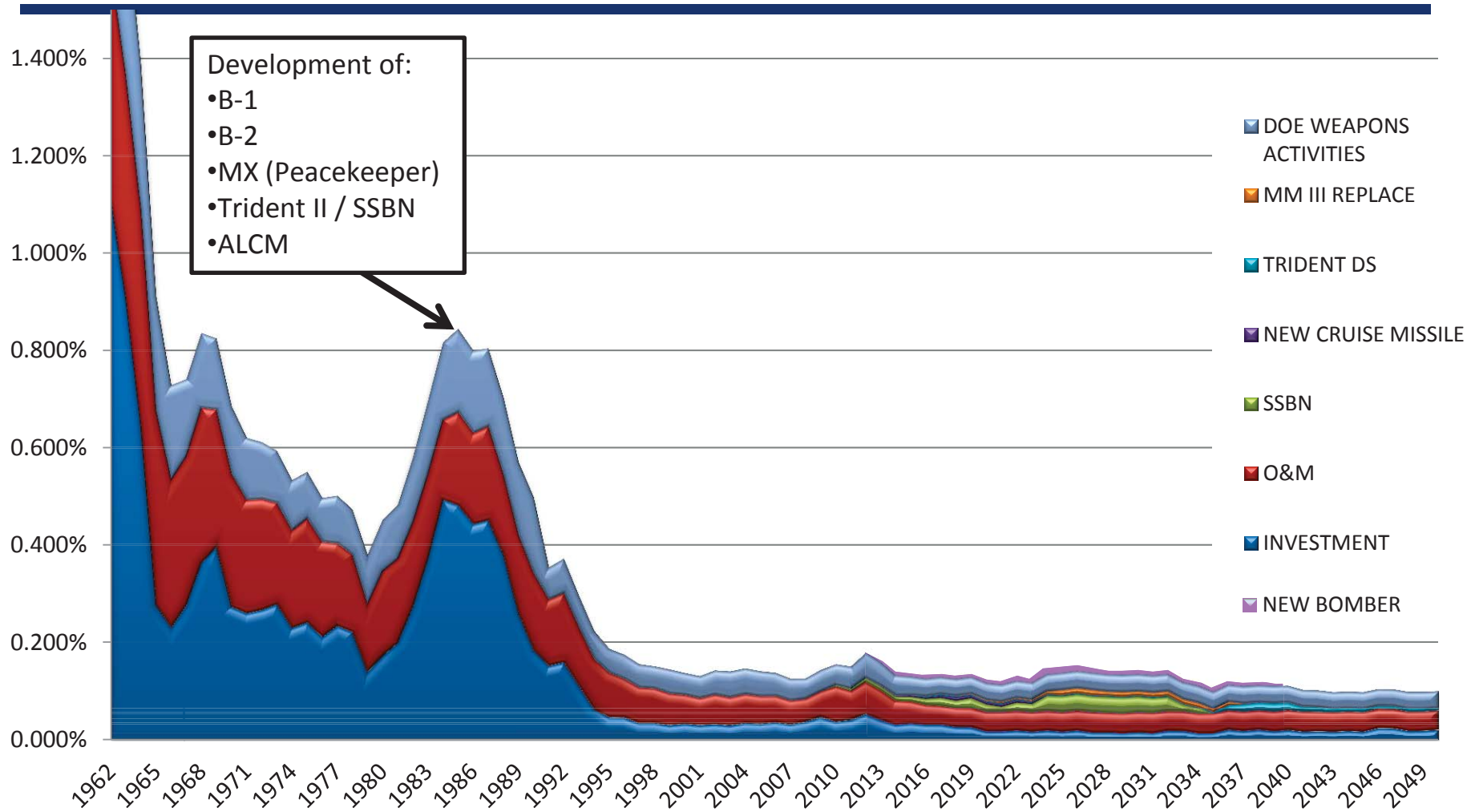
## Strategic Funding: Constant Dollars





# DoD and DOE Strategic Force Dollars as % of GDP

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AFGSC product, derived from OSD-CAPE and DOE funding data

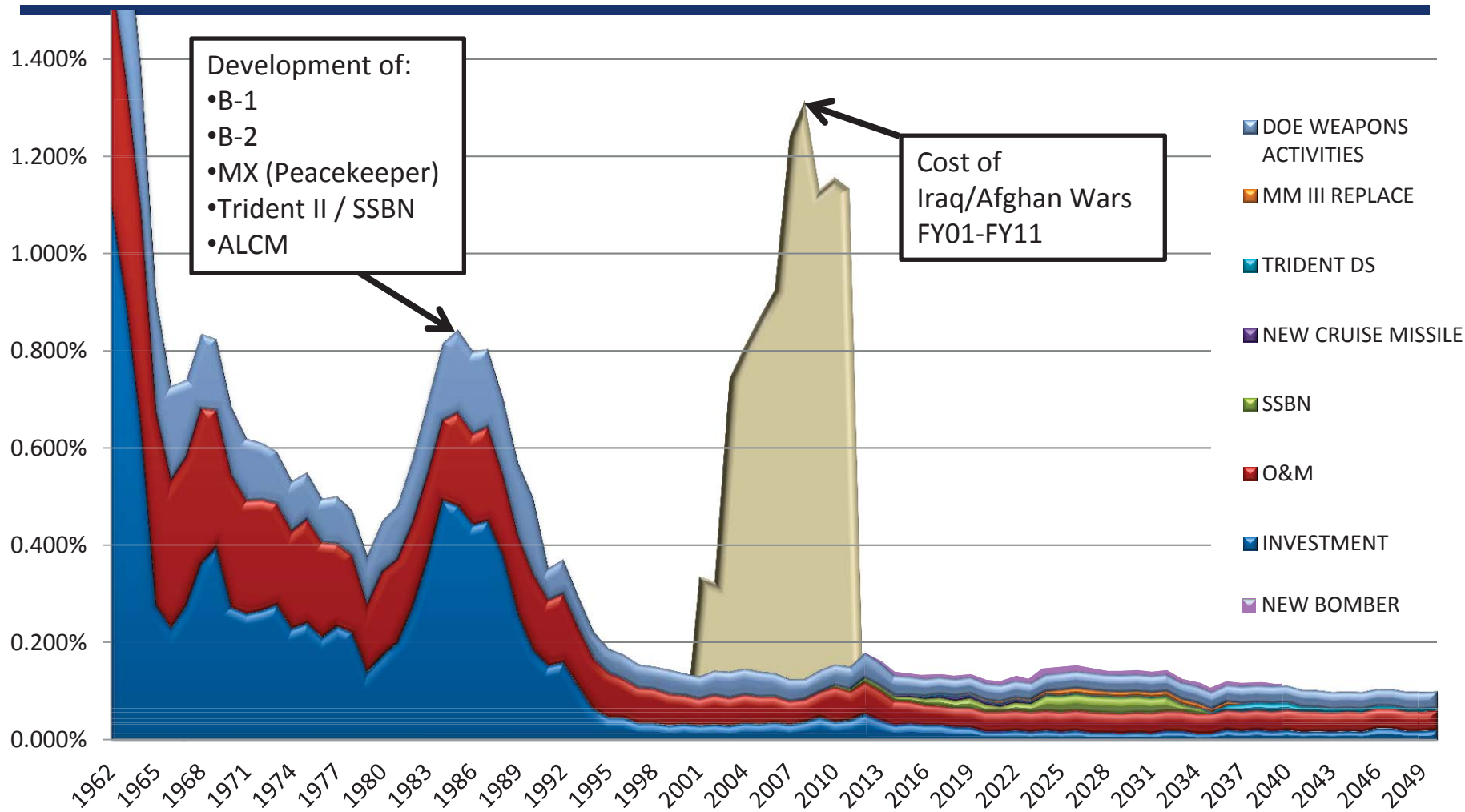
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# DoD and DOE Strategic Force Dollars as % of GDP with OCO



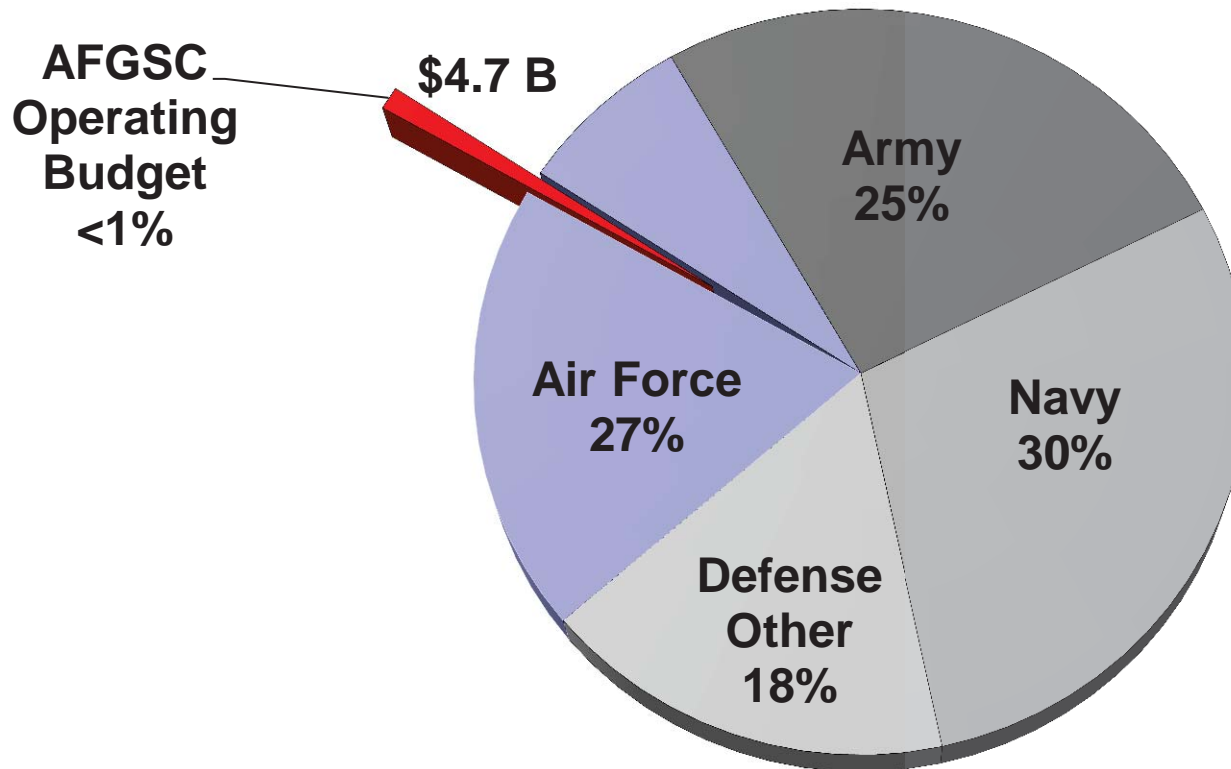
AFGSC product, derived from OSD-CAPE and DOE funding data

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# ***FY12 DoD Budget***



***In FY12 the U.S. Post Office Lost \$15.9 Billion***



# Challenges

- Restore and sustain a culture that embraces the special trust and responsibility of nuclear weapons...
- While maintaining our hard-earned conventional excellence
- Sustain and enhance the current force while modernizing for the future





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# *Questions?*

# ***Air Force Global Strike Command***



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