America’s Weapon Systems

“Our Safety Net”

Updated for Spring 2018
Threats to the U.S.

- Most Unpredictable in 40 years – General Dempsey (Previous CJCS)
- **Russia** our biggest existential threat – General Dunford (Present CJCS) General Milley (Army COS)
- **North Korea** our biggest threat for next President – John Brennan (CIA Director) and President Obama to President Trump
- Major Nation States/Organizations
  - Russia
  - China
  - North Korea
  - Iran
- **ISIL (Down but not out)**
- Worldwide Terrorism (Estimate of 80 to 100K terrorists worldwide)
- Weapons of Mass Destruction
- Cyber warfare
- Worldwide Religious War inside Islamic religion (Sunni vs Shia)
- Threats to Allies (Especially Israel)
- Increasing upheaval in the Middle East
- Use of Drones and Artificial Intelligence (AI)
- Electro-Magnetic Pulse (EMP) weapons
- **National Debt (Now 20T + 1.5T from 2017 tax reform act)**

FY17 Actual Expenditures

- Total Spending - ($3.981T)
  - Pensions - ($1,006.1B) (Social Security, Fed Employee Retirement) (25.1%)
  - Health Care - ($1,130.4B) (Medicare, Medicaid Grants to States) (28.4%)
  - Defense - ($823.1B) (Military, Veterans, Foreign Mil/Economic Aid) (20.6%)
  - Interest – ($262.8B) (Treasury Debt Securities) (6.6%)
    - Sum Non-discretionary accounts – $3.222T (81%)
  - Welfare - ($358.7B) (Food and Nutrition, Unemployment, Housing, Other) (9%)
  - Education - ($154.5B) (PrePrimary, Secondary, Student Aid, etc.)
  - Transportation - ($93.9B) (Highways, Airports, FAA, Water)
  - Protection - ($35.6B) (Federal Police Services, Law Courts)
  - General Government - ($44.5B) (Exec and Legislative, IRS, the FED, etc.)
  - Other Spending - ($71.1B) (NASA, Basic Research, Classified, Forestry, etc.)
    - Sum Discretionary accounts - $764.3B/19%
- Estimated Deficit - ($665.7B)
- Gross Public Debt - ($20,244.9T)

Source: [http://www.whitehouse.gov/omb](http://www.whitehouse.gov/omb), [http://www.usgovernmentspending.com](http://www.usgovernmentspending.com)
The 2018 Budget Battle

• Revenue Enhancement Items:
  – National Economy/GDP increase for additional taxable revenue
  – Reduce budgets of all departments other than Defense and DHS
  – Border import trade taxes
  – Repealed ACA cost

• Spending Increase Items:
  – Major increase in Defense and VA budgets
  – Increased DHS budget
  – Program expenses to build border wall
  – Infrastructure programs, multiple contract expenses

• Revenue Reduction Items:
  – Tax reduction/reform programs (Corporate and Individual)

• Major Obstacles/Enablers
  – Sequestration law
  – Congressional fiscal conservatives
  – Repealing the ACA
  – GDP growth at 3% to 4%
Comparing U.S. Armed Forces

- **Manpower** (Second only to China)
- **Land Systems** (Russia overwhelmingly leads)
- **Air Power** (U.S. overwhelmingly leads)
- **Naval Power** (U.S. overwhelmingly leads)
- **Transports and Trainers** (U.S. overwhelmingly)
- 39% of World’s Military Expenditures
  - Budgets: U.S. ($588B), China ($161B), Russia ($45B)
- 70% of NATO’s Military Expenditures

Source: Global Firepower – [www.globalfirepower.com](http://www.globalfirepower.com)
Online resources for keeping up with the U.S. Defense

Headlines and Articles:

• www.Breakingdefense.com
• www.DefenseNews.com
• www.Defense.gov
• www.realcleardefense.com
• www.nationalinterest.org
• www.defenseone.com
• www.stripes.com
• http://news.usni.org
• http://www.defensetech.org
• www.aviationweek.com/defense
• http://www.heritage.org/issues/national-security-and-defense
Online resources for keeping up with the U.S. Defense

Major Reports and Budgets that shape policy:

DoD FY 2018 Budget Proposal –


2017 Index of U.S. Military Strength
http://index.heritage.org/military/2017/

2015 National Military Strategy


Sharpening the Spear: The Carrier, the Joint Force and High-End Conflict – Hudson Institute Study - Copy and paste into your browser:

U.S. Budget: http://www.budget.gov

DoD Budget: http://comptroller.defense.gov/Budget-Materials/

The Evolution of Precision Strike –
Online resources for keeping up with the U.S. Defense

**Fact Sites:**
United States Armed Forces
https://en.wikipedia.org/wiki/United_States_Armed_Forces

Air Force – www.af.mil
Fact sheets: http://www.af.mil/AboutUs/FactSheets.aspx

Army – www.army.mil

Navy – www.navy.mil

American Special OPS - www.americanspecialops.com

Global Firepower – www.globalfirepower.com


Equipment of the Army – http://en.wikipedia.org/wiki/Equipment_of_the_United_States_Army


List of active United States military aircraft - https://en.wikipedia.org/wiki/List_of_active_United_States_military_aircraft

List of currently active United States military land vehicles
https://en.wikipedia.org/wiki/List_of_currently_active_United_States_military_land_vehicles
Online resources for keeping up with the U.S. Defense

Imagery/Videos:
Defense Media Activity - http://www.dma.mil

Defense Video and Imagery Distribution System (DVIDS) – http://www.dvidshub.net

DoD Sites on YouTube - https://www.youtube.com/user/DODvClips

YouTube – http://www.youtube.com Search & choose many options using:
  - Defense Department
  - U.S. Armed Forces
  - U.S. Military Power

Defense Acquisition

Defense Acquisition University: https://www.dau.mil

Defense Acquisition Guidebook: https://www.dau.mil/tools/dag

Communities of Practice: https://www.dau.mil/community-hub#All||title_asc


Tools and Resources: https://www.dau.mil/tools/#All|All|Show%20All|recent|

Other Sites

Course Outline/Note Taker/Questions

- Intro Comments, Objectives, Big 3, Threats

- Overview of DoD and Resources/$$ $$, Acquisition

- Operating Forces, C4ISR/ISTAR, EW, Logistics
Course Outline/Note Taker/Questions

• Strategic Forces/Nuclear Weapons, The TRIAD, National Missile Defense

• Space Systems
Course Outline/Note Taker/Questions

• Air Systems
Course Outline/Note Taker

• Air to Surface Weapons
Course Outline/Note Taker

• Sea Systems
Course Outline/Note Taker

• Land Systems