



Project Manager Close Combat Systems



The Times, They are a Chang'n

Joint Armaments Forum, Exhibition & Technology Demonstration

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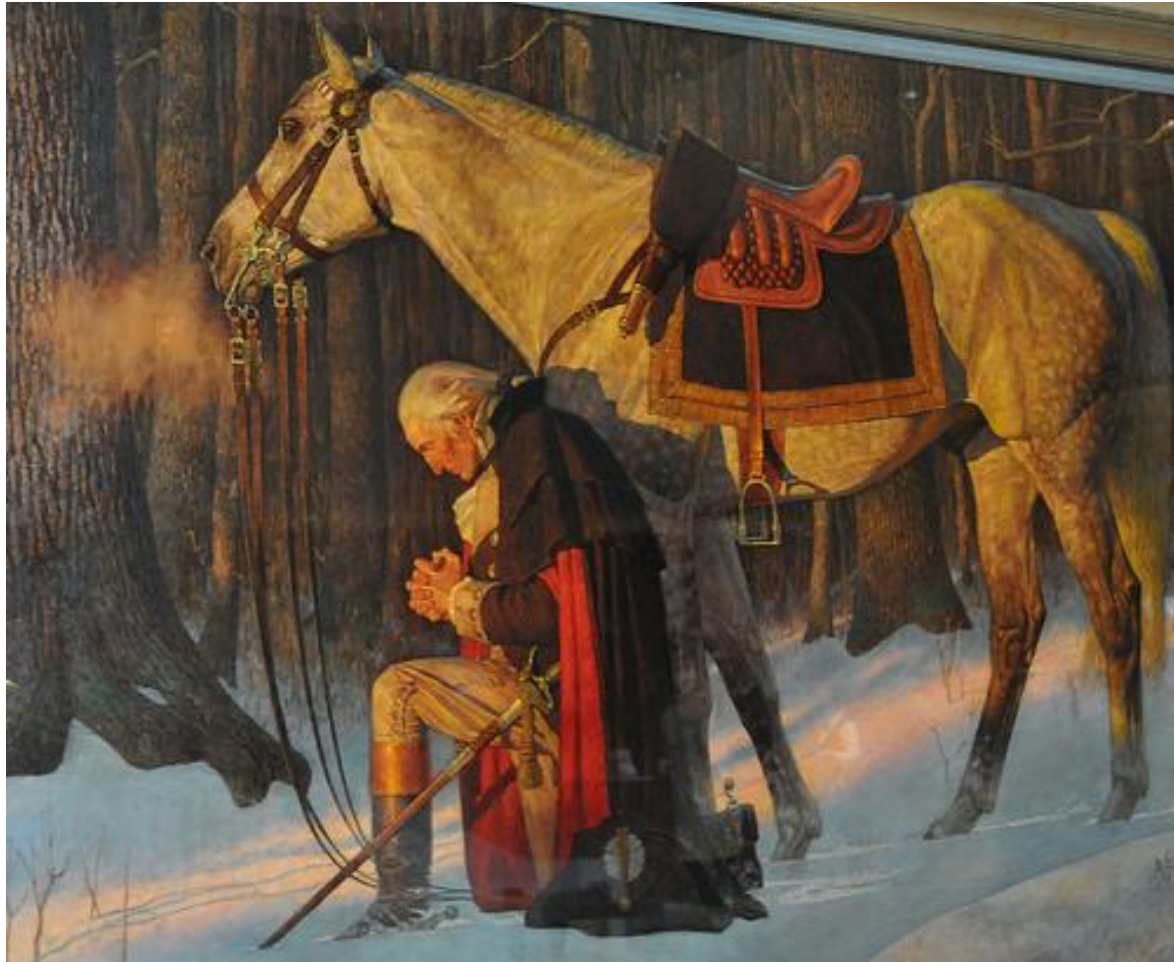


This is a Culture Discussion





Constrained Resources





Team CCS



Lethality & Survivability for the Close Fight

- Manages over 53% of all active U.S. Army ammunition programs
- 160+ active programs supported by more than \$400 million in funding



What We Do

Networked and analog technologies, energetics, and munitions that improve Anti-Access/Area Denial (A2/AD) and increase the lethality, survivability, and overmatch of both the mounted and dismounted Joint Force in the close fight – lethal, non-lethal, robotics, counter-measures, and counter explosives for Unified Land Operations/Decisive Operations.



Team CCS Mission



Close-in Capabilities for Decisive Action

Area Denial:

- Claymore
- Gator
- ADAM/RAAM
- SLAM
- Spider Inc 1/1A
- Spider Non-lethal Launcher
- VOLCANO

Counter Explosive Hazard:

Detection:

- Autonomous Mine Detection System (AMDS)
- AN/PSS-14
- Husky Mounted Detection System (HMDS)

EOD:

- CM Transmitter AN/PLT-5
- Disrupter Integration System
- Future Radiographic System (FRS)
- EOD MTRS

Family of Military Working Dogs:

- Equipment Kits
- Kennels

NSE:

- Gizmo
- Minehound
- DSP No27
- Jackal
- Rhino
- LightGuard
- Ground Torch
- ECP

Combat Munitions:

Grenades:

- Frag HG
- Incendiary HG
- Off HG
- Smoke HG
- Smoke Pots

Non-Lethal:

- 12ga NL Ammo
- 40mm NL Ammo
- Acoustic Hailing Device (AHD)
- Modular Crowd Control Munition (MCCM)
- Nonlethal Capabilities Set (NLCS)
- NL Grenades
- Taser

SLM:

- AT4-CS
- BDM
- LAW
- SMAW

Support Munitions:

Demolitions:

- APOBS
- Bangalore
- Blast Cap
- Bulk Charge
- C4/TNT
- Cutters
- Demo Charge Assy
- Det Cord
- Flex Linear Charge
- Initiators
- MICLIC
- RAMS
- Shaped Charge/Sheet Exp

Pyro:

- Countermeasure Flares
- Hand Held Signals
- Simulators
- Trip Flares



Team CCS Mission



Team CCS Capabilities are aligned with MSCoE, MCOE, Aviation, and Joint Force

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Engineer School

Infantry School

Military Police



Innovation & Risk



Spencer Repeating Rifle



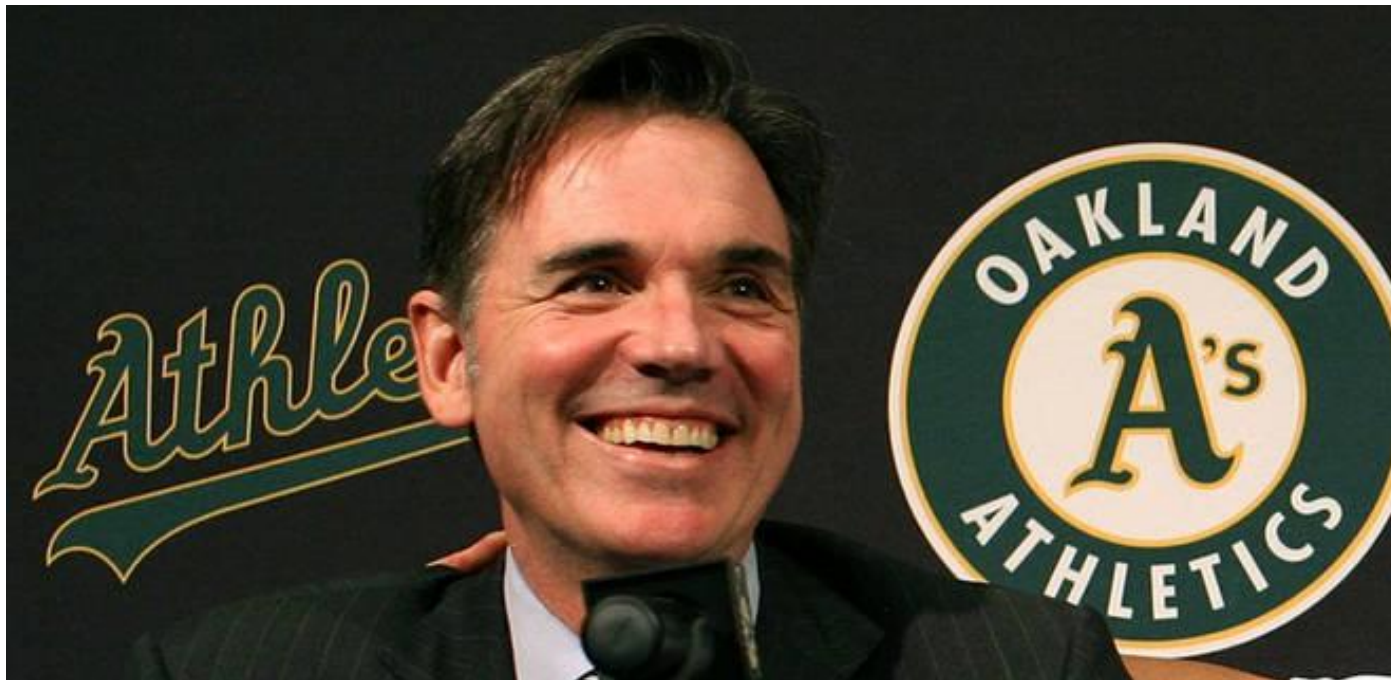
Enfield Musket Rifle



Springfield Musket Rifle



Moneyball



In 2002, the Oakland Athletics won the American League West Division with a record of 103 wins and 59 losses



CCS Requirements/Opportunities



- Shoulder-launched Multipurpose Assault Weapon (SMAW) - \$100M
- HMDS - \$20-\$30M
- M206/MJU7/MJU10 Countermeasure Flares - \$26M
- M72 Light Anti-Armor Weapon (LAW) - \$24M
- Autonomous Mine Detection System (AMDS) - \$20M
- Family of Smoke Grenades - \$13M
- M67 Grenade - \$11M
- LUU2/LUU19 Flares - \$9M
- M112 Composition C4 Block Demolition Charge - \$9M

Foreign Military Sales



BDM: Pakistan



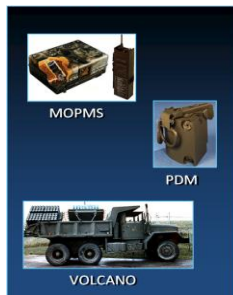
HMDS: Australia, Canada



M18 Smoke Grenades: Australia

Potential for Individual Assault Munition (IAM) and Family of Scatterable Mines (FASCAM) development

0-300 meters



300m – 17Km



Over 17Km



Industry day at Picatinny Arsenal 1st qtr FY16 for Increment B HMDS



CCS Requirements/Opportunities FY 15



- M206/MJU-7/MJU-10 Countermeasure Flares
 - 5 YR FFP (Base + 4Options), 7.043M Flares Total
 - RFP to be issued in 4QFY14
- M211/MJU-50/MJU-51 Countermeasure Flares
 - 3 YR FFP IDIQ Contract, 181K Flares Total
 - Split Award Contract , RFP to be issued in 4QFY14
- M22 Simulators 5 YR Contract
 - 5 YR FFP IDIQ Contract, 2M Simulators Total
 - RFP to be issued in 3QFY14
- M115/M116 Simulators 5 YR Contract
 - 5 YR FFP IDIQ Contract, 245K M22 Simulators Total
 - RFP to be issued in 2QFY15
- MJU-32 / MJU-38 Countermeasure Flares
 - 5 YR FFP IDIQ Contract
 - RFP to be issued in 2QFY15



More Contract Opportunities



- CCS is pursuing a single competitive production contract for M67 Fragmentation Hand Grenade as well as M213 (M67) and M228 practice fuzes for all services in 3QFY15
 - Contract approach will look to consolidate the M67 Grenade LAP (Load, Assemble and Pack) with the production of the M213 Fuze and the M228 Training Practice Fuze
- CCS is pursuing a competitive production contract for M201A1 (M18 family, AN-M14), M201 MOD 3 (M106) and M208 (M8 smoke pot) fuzes in 3QFY15
- CCS recently posted a RFI (Request For Information) on FEDBIZOPPS to request potential solutions for a fragmenting hand grenade that meets the IM (Insensitive Munitions) requirements of MIL-STD-2105D.



Safety & Quality are Important



PM CCS-developed SLAP flare & SLM safety videos





Competition is Still Important





Open Door Leadership Style





Obligation & Disbursement





Tooth to Tail





Conventional & Hybrid Threats



Kim Jong-un, Democratic People's Republic of Korea



China's first aircraft carrier



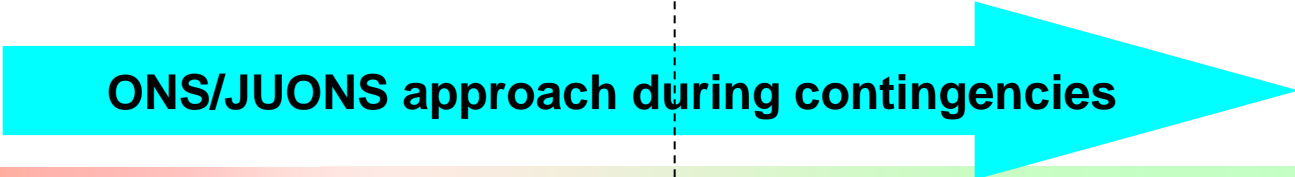
Non-state Actors



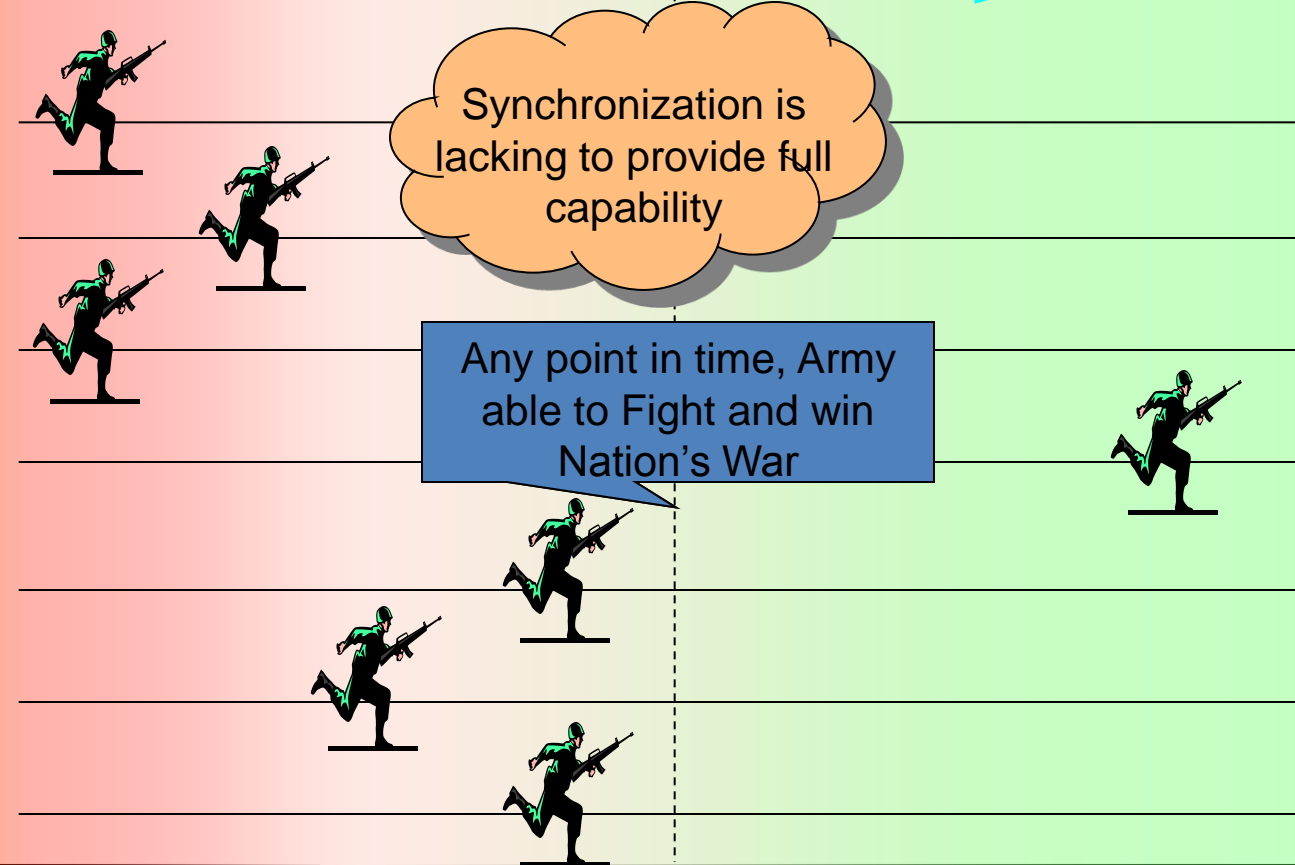
Assumptions and Constraints



Accelerated Development and Fielding for Immediate need



- Doctrine
- Organization
- Training
- Materiel
- Leadership
- Personnel
- Facilities



Advantages: Fast deployment of materiel solution to the user

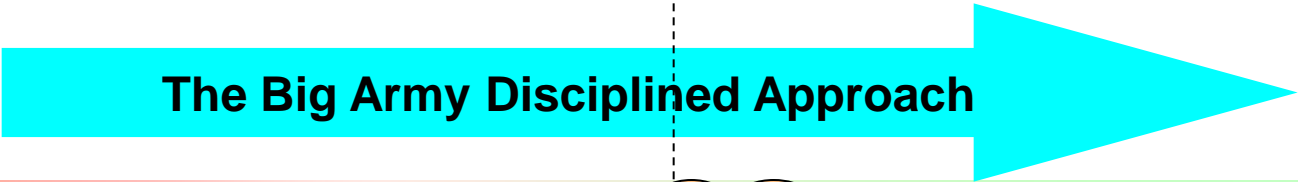
Disadvantages: Increased Costs across the enterprise, Training and Doctrinal Employment not fully understood and/or institutionalized



Assumptions and Constraints



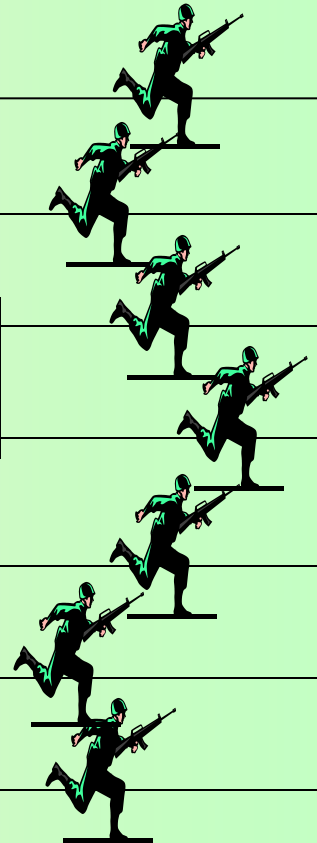
Planned Program Development and Fielding for Life Cycle



- Doctrine
- Organization
- Training
- Materiel
- Leadership
- Personnel
- Facilities

Synchronization is achieved to provide full capability

Any point in time, Army able to Fight and win Nation's War



Advantages: Homogenous affordable solutions synchronized at the enterprise and fielded and institutionalized across the force

Disadvantages: Slower and more methodical deployment of capability to the force

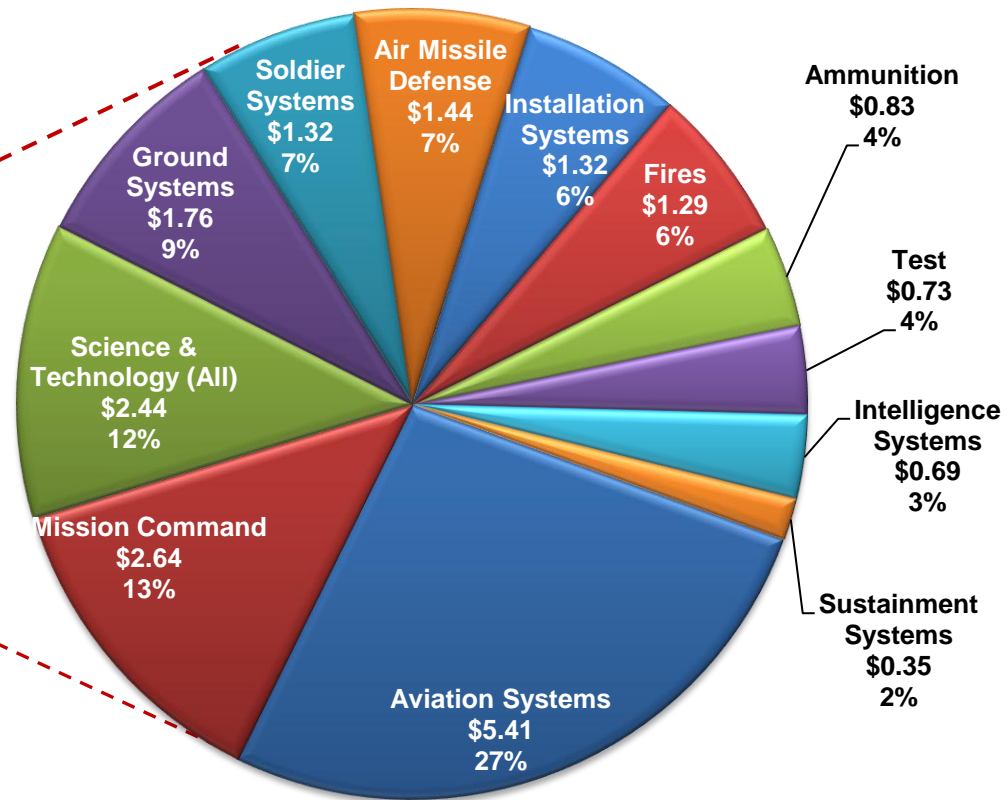
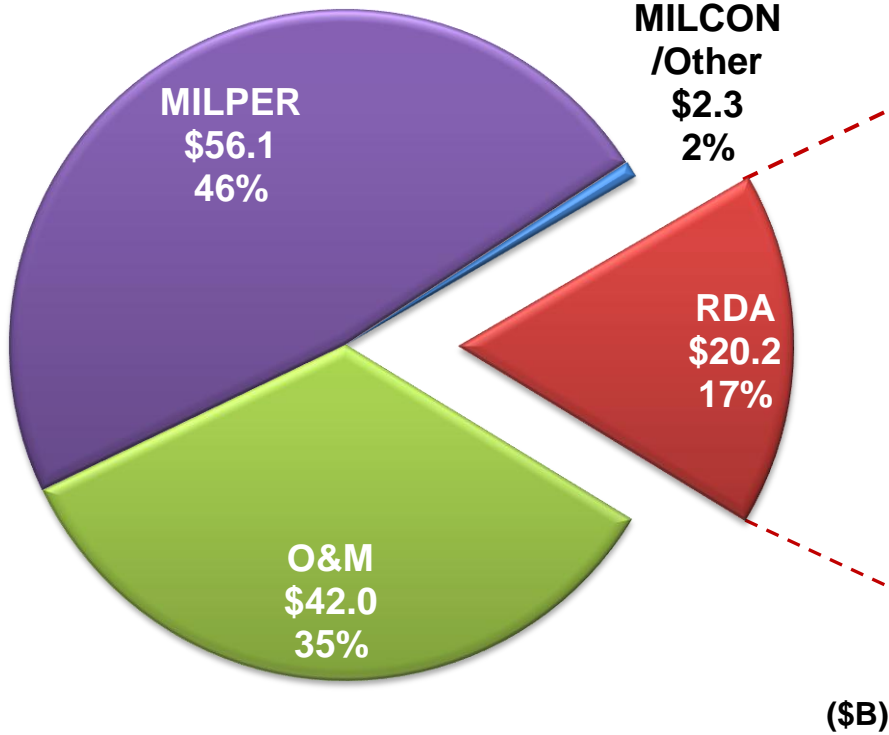


FY15 RDA by Portfolio



FY 15 Army TOA
\$120.5B

FY15 Army RDA
\$20.2B
17% of TOA



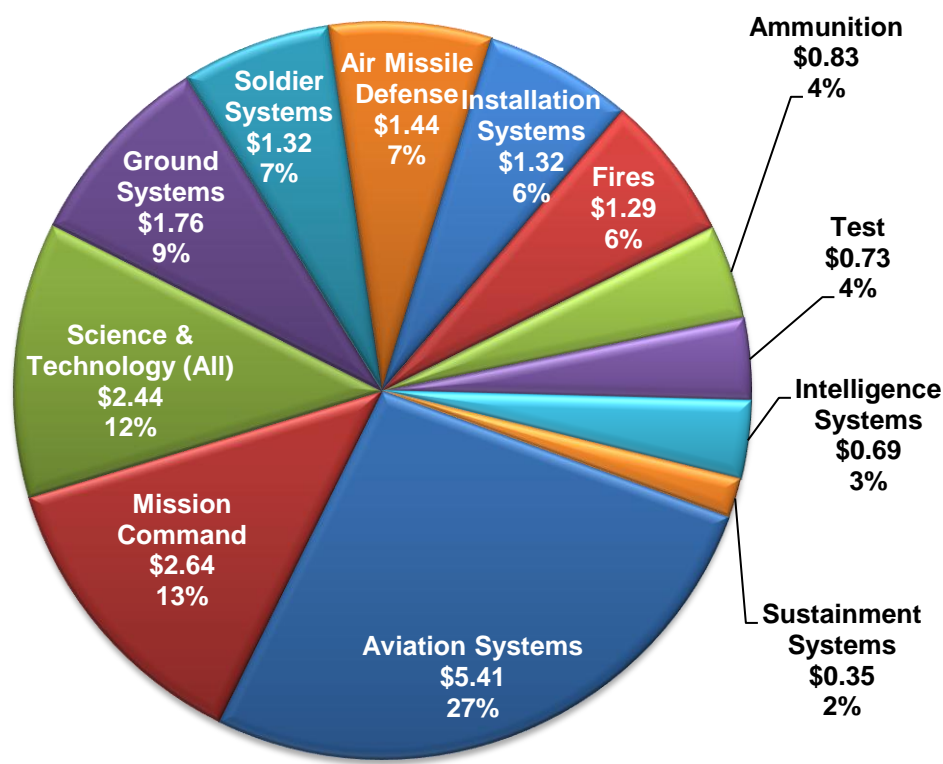
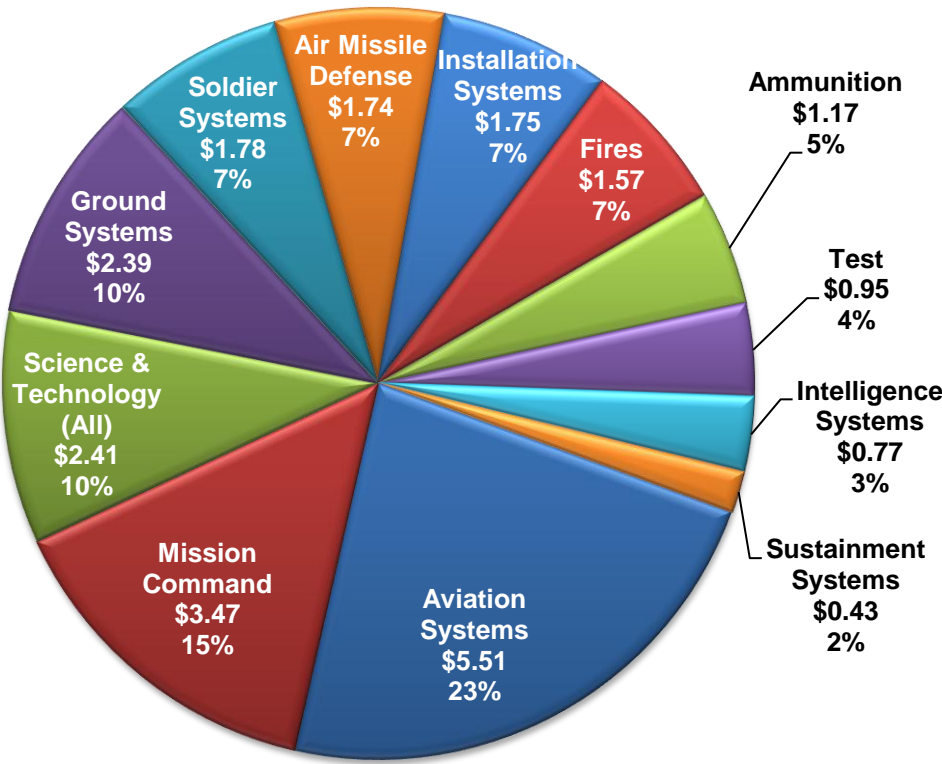


PB14 to PB15 Comparison



FY14 Budget in FY14-18 PB Submission
Army TOA = 129.7B
RDA = 23.95B (18%)

FY15 Budget in FY15-19 PB Submission
Army TOA = 120.5B
RDA = 20.02B (17%)





Summary



- Change
- Innovation
- Resilience
- Risk
- Affordability
- P,C,S
- Open Communications



Questions



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