The Times, They are a Chang’n

Joint Armaments Forum, Exhibition & Technology Demonstration

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This is a Culture Discussion

Change Ahead
Constrained Resources
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
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

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

Foreign Military Sales

- BDM: Pakistan
- HMDS: Australia, Canada
- M18 Smoke Grenades: Australia

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 + 4 Options), 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
Tooth to Tail
Conventional & Hybrid Threats

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

China’s first aircraft carrier

Non-state Actors
Accelerated Development and Fielding for Immediate need

**ONS/JUONS approach during contingencies**

**Doctrine**

**Organization**

**Training**

**Materiel**

**Leadership**

**Personnel**

**Facilities**

**Synchronization is lacking to provide full capability**

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

**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
The Big Army Disciplined Approach

Synchronization is achieved to provide full capability

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

Planned Program Development and Fielding for Life Cycle

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

- Aviation Systems: $5.41B (27%)
- Science & Technology (All): $2.44B (12%)
- Mission Command: $2.64B (13%)
- Ground Systems: $1.76B (9%)
- Air Missile Defense: $1.44B (7%)
- Installation Systems: $1.32B (6%)
- Fires: $1.29B (6%)
- Test: $0.73B (4%)
- Intelligence Systems: $0.69B (3%)
- Sustainment Systems: $0.35B (2%)
- Ammunition: $0.83B (4%)

MILPER /Other
$2.3B
2%

O&M
$42.0B
35%

MILCON
$56.1B
46%

RDA
$20.2B
17%
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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