



Project Manager Close Combat Systems 2015 Munitions Executive Summit

PM Panel Brief

8 April 2015

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Team CCS Portfolio

Area Denial



SLAM



Claymore



Spider

Demolitions

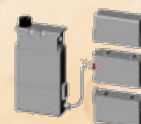


Detonation cord



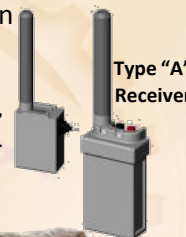
Shaped Charge

Remote Activation System (RAMS)



MI RAMS XM27 Transmitter w/ Auxiliary Battery Pack

Type "B" Receiver



Type "A" Receiver



Bangalore



Sheet Explosive

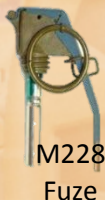
Grenades



M106 SOD-V_R



M67 Frag w/ Confidence Clip



M228 Fuze



M8 Smoke Pot



M18 Colored Smoke

Non-lethal ammo & systems

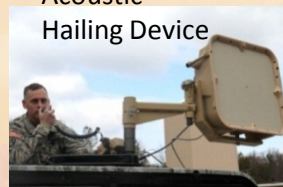


Taser



Non-lethal Hand Grenades

Acoustic Hailing Device



Time Delay-Sympathetic Detonator (TD-SYDET)

Shoulder Launched Munitions



AT4CS

Pyrotechnics

Countermeasure Flares



Simulators



Signals



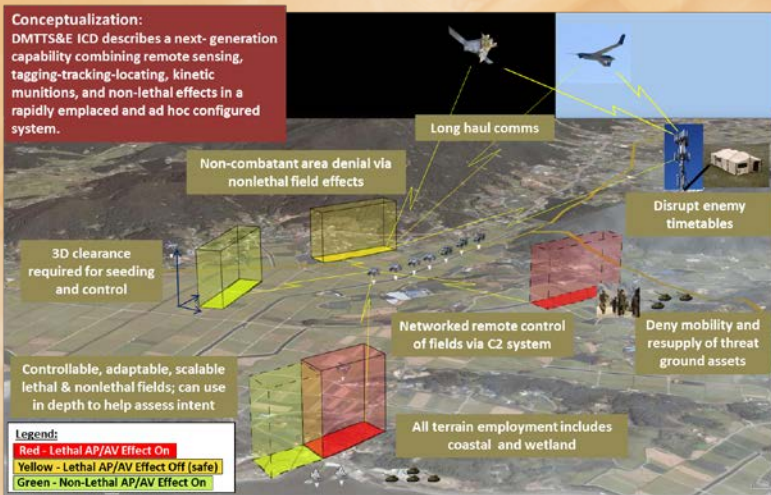
SMAW





Area Denial Smart Terrain Armament (ADSTAR)

Operational View



Resource Management Decision

- FY16-FY20 RMD signed 12 January 2015
- “Adds funds to establish a program of record that develops an Ottawa Convention-compliant air delivered, operator controlled mine system containing both anti-personnel and anti-vehicle mines to replace the current GATOR system, with an initial operating capability delivered by FY25”
- Submitted as part of FY16 President’s Budget

FY16	FY17	FY18	FY19	FY20	FY16-20
\$50.0M	\$70.0M	\$70.0M	\$75.0M	\$75.0M	\$340.0M

Industry Day Summary

- Industry Day conducted on 5-6 March 2015
 - ✓ 30 industry partners attended the open session
 - ✓ 8 industry partners participated in 1-on-1 sessions
- What the Government told Industry:
 - ✓ Overview of the Area Denial Mission
 - ✓ Landmine Policy and Impact
 - ✓ DMTTS&E capability Overview
 - ✓ Acquisition Path Forward and Strategy (Other Transaction Authority for Pre-MS A, IOC NLT 2025)
- Next Step – Industry Engagements
 - ✓ Further Industry Engagements planned
 - ✓ White Paper solicitation – 18 March 2015
 - ✓ White Papers due – 22 April 2015

Capabilities

- Will provide a deep-delivered, Man-In-The-Loop (MITL), anti-personnel (AP) and anti-vehicle (AV) Area Denial Capability compliant with National Landmine Policy and Ottawa Treaty
- Deep Range Capability: replaces deep delivered GATOR AP/AV system
- Improved Area Denial Capability at all required Operational Ranges
 - ✓ Controllable, networked, self-reporting, sensor enabled
 - ✓ Provides Blue Force Freedom of Action while denying that of the enemy within the same battlespace
 - ✓ Scalable effects controlled by Man-in-the-Loop (MITL)

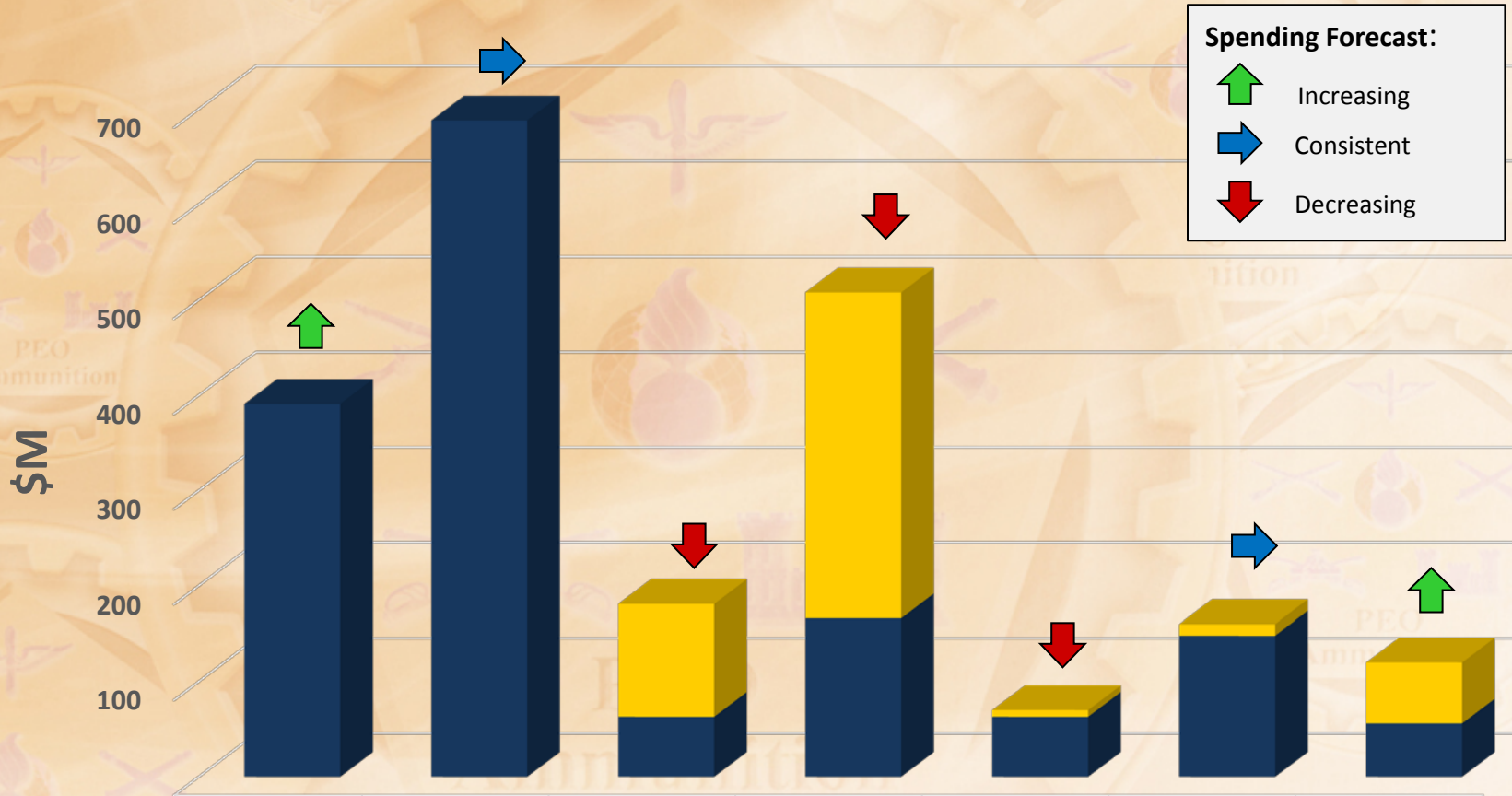


Team CCS Priorities

- Stewardship in everything we do
- Support to Warfighter: Ahead of drumbeat Operations Order (OPORD) for drawdown
- Contractor Logistics Support (CLS) contract / Multifunction Field Service Representative (FSRs) paying off
- Develop & improve Area Access / Area Denial (A2/AD)
- Sustaining technological superiority through a quality workforce & innovation



Budget Outlook



Spending Forecast:

- Increasing
- Consistent
- Decreasing

	Area Denial	Counter Explosive Hazard	Demolitions	Pyrotechnics	Non-Lethal Ammo & Systems	Grenades	Shoulder Launched Munitions
■ PB16 (FY16-FY20) - Other Services			118	342	7	12	64
■ PB16 (FY16-FY20) - ARMY	391	688	63	166	63	148	56



Industrial Base Challenges

Concerns:

- Lower investment in advancing current capabilities
- Price increases & higher sustainment costs after war's end
- Maintaining small businesses w/reduced quantities
- Subcontractor quality management & supervision



Mitigation Strategies:

- Family of capability buys: multiple items grouped together to help maintain minimum sustainment rates
 - ✓ Market Research supported consolidation of M67 Grenade, M213 Fuze and M228 Practice Fuze
 - ✓ Concern over the potential for smaller buys on the M228 Fuze
 - ✓ Commonality of fuze components will allow for economies of scale
 - ✓ Pre-Solicitation Notice posted to FedBizOpps on 13 March 2015
- Create incentives for industry to team and/or compete
- Shorter term contracts to increase opportunities for manufacturers to re-compete in near term
 - ✓ Going out on a 3-yr split contract solicitation for the M211/MJU-50/MJU-51 Pyrophoric Flares
 - ✓ Continuing split award contract such as the M206/MJU-7/MJU-10 contract to help support the industrial base
- Continue investment in the development of capabilities vs. the high volume of production
- Support Foreign Military Sales & Commercial Direct Sales opportunities
- Identify potential sources of single-point failure (SPF) & prioritize funding when possible





FY15/FY16 Competitive Opportunities

Product	Projected RFP Date	Projected Award Date	Dollar Amount	Contract Strategy	Contract Type
M22 ATWESS	2QFY15	4QFY15	\$8M	SBSA	IDIQ/FFP
M67 & M228 Fuze	3QFY15	4QFY15	\$75M	NTIB	FFP
Blastings Caps	3QFY15	4QFY15	\$29M	NTIB	IDIQ/FFP
M115A2 Artillery Ground Burst Simulator & M116A1 Hand Grenade	3QFY15	1QFY16	\$90M	SBSA	IDIQ/FFP
Sheet Explosives	4QFY15	2QFY16	\$81M	F&OC W/QPL	IDIQ/FFP
M456 Detonating Cord	1QFY16	2QFY16	\$36M	F&OC	IDIQ/FFP
Hand Held Signal	2QFY16	4QFY16	\$21M	SBSA	IDIQ/FFP
Army Navy/Portable Special Search (AN/PSS)	2QFY16	4QFY16	\$39M	SBSA	IDIQ/FFP
Acoustic Handling Device (AHD)	2QFY16	4QFY16	\$80M	F&OC	FFP



Team CCS

“Top 10” Techbase Priorities

1. **ADSTAR/Family of Scatterable Mines (FASCAM) Replacement** - Area Denial capability providing Man-in-the-Loop (MITL) controlled scalable effects against mounted and dismounted enemy forces
2. **IEDs** – Standoff Detection, Metallic, Low metallic and Non-metallic
3. **Tunable Pyrotechnics** - Develop the capability to protect aircraft from emerging surface to air missiles (SAM). Countermeasures Flares to improve aircraft survivability, especially helicopters.
4. **Lighten the Load** - including Shoulder Launch, Dual Purpose Grenade, Battery Technologies
5. **Environmental** – Green energetics, propellants and explosives
6. **Fuze design** – Smart, Out-of-line
7. **Insensitive Munition (IM)** – IM fill, Packaging, Fuze
8. **Efficiencies** – Common Fuze Design
9. **Non-Lethal** – Directed Energy, Dazzler
10. **Training Aids and Improvements** – Claymore Training Aids, Devices, Simulators, and Simulations (TADSS)

Continued Coordination with RDECOM’s RDECs



Closing Message to Industry

- **Good programs will be sustained**
- **Communication:**
 - ✓ Partnership and open communication is critical to transparency & managing risk
 - ✓ Timely communication of industry needs/issues to ensure supportive acquisition strategies can be implemented
 - ✓ Less tolerance for programs that can't manage within baseline
 - ✓ Keep abreast of needs of all the Services
- **Flexibility:**
 - ✓ Flexible production lines & workforce that can be moved to produce various items
- **Technology & Innovation:**
 - ✓ Start solving tomorrow's problems today