



Munitions Executive Summit PM Acquisition Panel

PEO Ammunition: PM Close Combat Systems

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COL Steven F. Cummings

Project Manager, CCS

(973) 724-7041

steven.f.cummings@us.army.mil

Ms. Doreen Chaplin

Dep. Project Manager, CCS

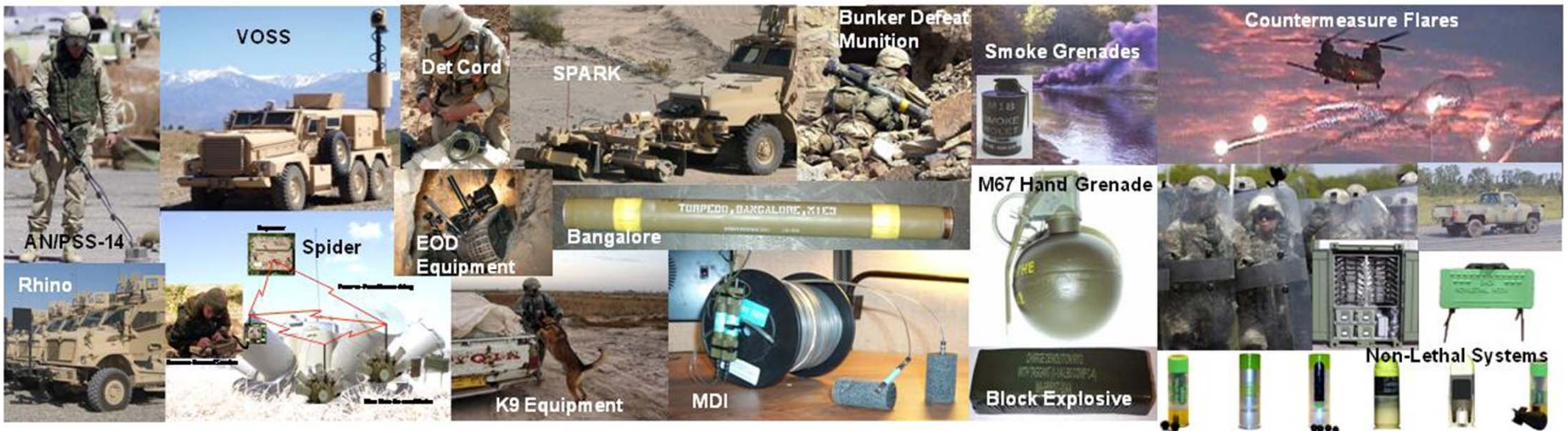
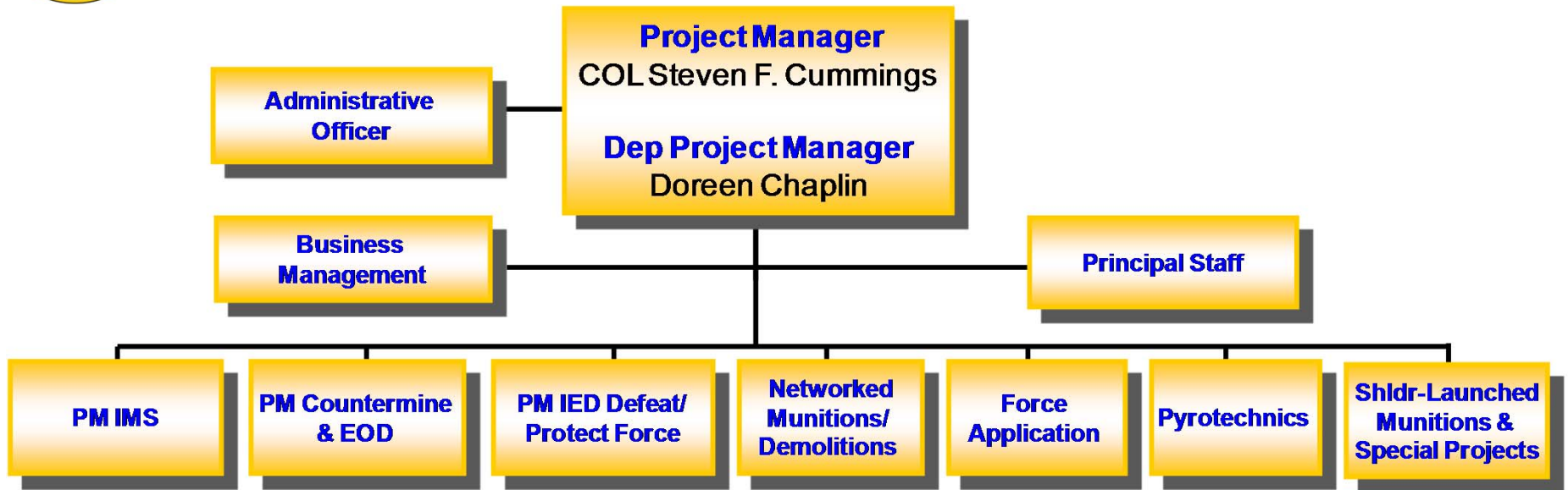
(973) 724-7573

doreen.chaplin@us.army.mil

Mission: Provide the Warfighter world-class close combat, force protection & assured mobility capabilities across full spectrum operations through professional, integrated Joint Life-Cycle Management.



PM Close Combat Systems



<http://ccsweb.pica.army.mil>



PM CCS Support to the Warfighter

PM CLOSE COMBAT SYSTEMS



M18 Smoke Grenades

M72 LAW



SPARK



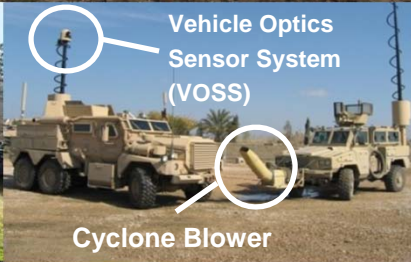
Rhino



APOBS



IED Interrogation Arms (IA)

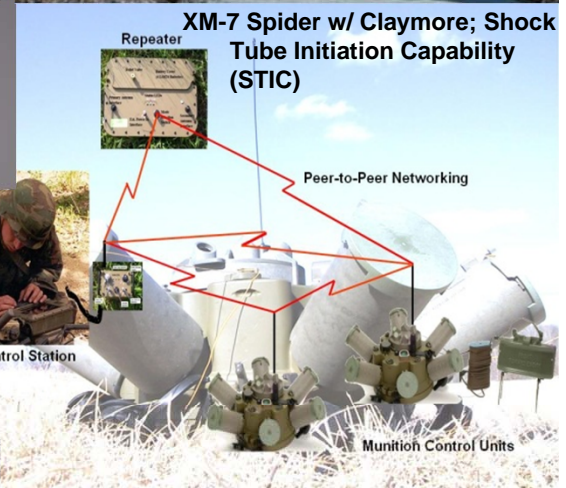


Vehicle Optics Sensor System (VOSS)

Cyclone Blower



M211/M212 Countermeasure Flares



XM-7 Spider w/ Claymore; Shock Tube Initiation Capability (STIC)

Repeater

Peer-to-Peer Networking

Remote Control Station

Munition Control Units



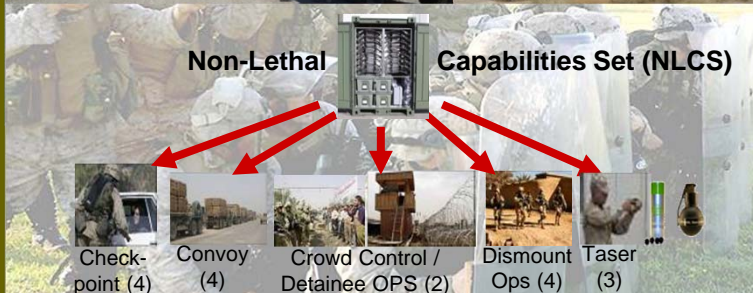
Entry Control Point (ECP)



Husky Mounted Detection System (HMDS)



M67 Fragmenting Grenade



Non-Lethal

Capabilities Set (NLCS)

Check-point (4)

Convoy (4)

Crowd Control / Detainee OPS (2)

Dismount Ops (4)

Taser (3)

AN/PSS-14 Mine Detecting Set



MICLIC on ABV



S&T Priorities / Needs

N-L @ Extended Range

- N-L Effects @ 5 - 400m (Objective)
(-vs- current 10-30 m)



"Dial-a-Smoke" Grenade Device

- Unique Device to offer 2 Color options from 1 Signal Grenade
- Consolidates 4 existing grenades to 2 new grenades



Counter-IED Tech

- Xplo Detection @ Stand-Off
- Neutralization @ Stand-Off



Next Gen Hand Grenade

- Dual Mode; N-L -or- Lethal A-P effects
- Component Miniaturization (MEMS)
- MilStd-1911-compliant fuzing

Shoulder-Launched Munition Trainer

- Cost-Effective *and* Realistic SLM training solution

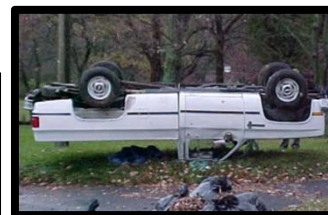


\$1.00



\$90.00

(vice: 9mm @ \$1 ea. -or- 21mm Rkt @ \$90 ea. (!!!))



N-L Vehicle Stopper

- Immediate "STOP" of Medium Wt Vehicles
- No lasting effect to Occupants or Vehicle - "Reversible"



Challenges

- Implementation of Dr. Carter Efficiencies
 - Reductions in government overhead
 - Greater, more candid interaction with industry counterparts
 - Competition and path to organic management

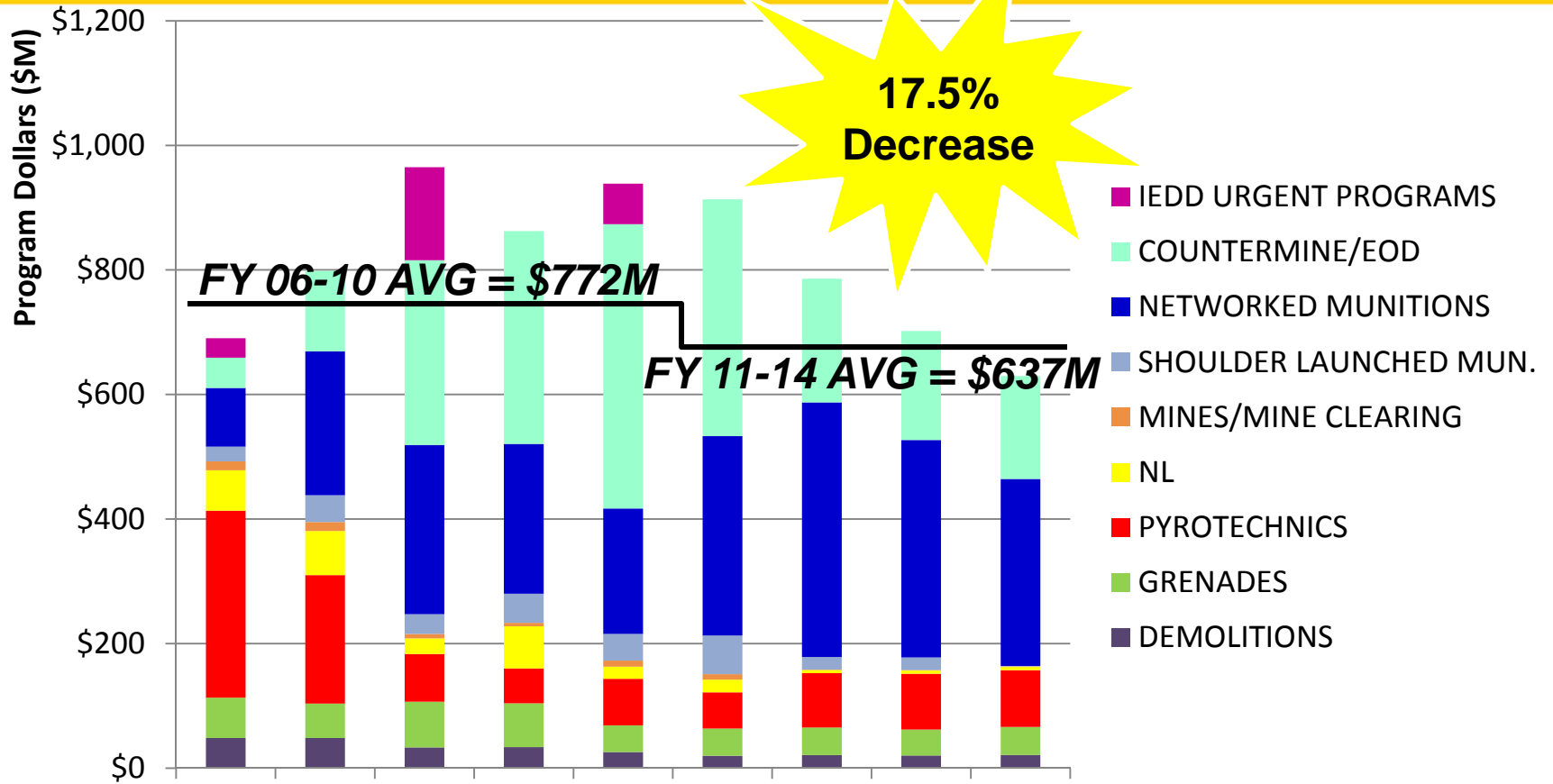


New Competitive Solicitations in FY11/FY12

- CCS Field Services
- Ammunition
 - Anti Personnel Obstacle Breaching System (APOBS)
 - M58 Mine Clearing Line Charge (MICLIC)
 - M142 Multi-Purpose Firing Device
 - M18A1 Claymore
 - M700 Time Blast Fuze
 - Handheld Signals - FY12
 - M10 Destructor - FY12
- OPA
 - Military Working Dogs (MWD)
 - Husky Mounted Detection System (HMDS)
 - Vehicle Optic Sensor System (VOSS) - FY12
- R&D
 - Spider II
 - Autonomous Mine Detection System (AMDS)



Conventional Funding – Over Time



	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
DEMOLITIONS	\$48.4	\$48.3	\$33.3	\$33.7	\$25.9	\$19.8	\$20.9	\$20.2	\$21.2
GRENADES	\$64.7	\$55.3	\$73.4	\$70.5	\$42.8	\$43.8	\$44.3	\$41.9	\$45.0
PYROTECHNICS	\$300.4	\$206.4	\$46.5	\$55.9	\$74.9	\$58.2	\$87.3	\$89.6	\$91.1
NON-LETHAL	\$64.8	\$70.7	\$25.0	\$67.6	\$19.4	\$20.3	\$5.0	\$5.1	\$5.2
MINES/MINE CLEARING	\$14.2	\$14.5	\$7.3	\$5.7	\$9.8	\$8.7	\$0.8	\$0.8	\$0.8
SHOULDER LAUNCHED MUN	\$23.6	\$43.0	\$31.6	\$46.8	\$42.7	\$62.0	\$20.0	\$20.1	\$0.7
NETWORKED MUNITIONS	\$94.2	\$231.0	\$271.7	\$240.5	\$201.6	\$320.4	\$409.0	\$349.2	\$300.4
COUNTERMINE/EOD	\$48.6	\$129.4	\$296.7	\$341.6	\$456.6	\$380.0	\$198.5	\$175.1	\$165.3
IEED URGENT PROGRAMS	\$31.3	\$0.0	\$149.4	\$0.0	\$64.9	\$0.0	\$0.0	\$0.0	\$0.0