



PEO AMMUNITION

Single Manager for Conventional Ammunition

Munitions Executive Summit
31 March 2016

PM Panel Discussion

Presented by:
BG Patrick Burden
DPEO Ammunition





ASA(ALT) Organization

As of 03/10/16

Office of the Assistant Secretary
of the Army
(Acquisition, Logistics and Technology)

Hon. Katrina McFarland



Acting
ASA(ALT)
AAE & SPE
SAAL-ZA

LTG Gustave Perna



Deputy Chief of Staff
G-4 Logistics

LTG Robert Ferrell



Chief Information Officer
G-6

LTG Michael Williamson



Principal Military Deputy DACM
C/O
SAAL-ZB

Ms. Steffanie Easter



Principal Deputy
SAAL-ZX

SGM Rory Malloy



Sergeant Major
SAAL-ZB

Mr. Christopher Lowman



DASA Acquisition Policy & Logistics
SAAL-ZL

Ms. Ann Cataldo



DASA Defense Exports & Cooperation
SAAL-ZN

Vacant



DASA Plans, Programs & Resources
SAAL-ZR

Mr. James Shields



PEO Ammunition

BG Bob Marion



PEO Aviation

Mr. Gary Martin



PEO C3T

Mr. Scott Davis



PEO CS & CSS

Ms. Mary Miller



DASA Research & Technology
SAAL-ZT

Mr. Harry Hallock



DASA Procurement
SAAL-ZP

MG L. Neil Thurgood



Deputy for Acquisition & Systems Management
SAAL-ZS

Ms. Terry Watson (acting)



PEO EIS

BG David Bassett



PEO GCS

Mr. Stephen Kreider



PEO IEW&S

Mr. Barry Pike



PEO Missiles & Space

Mr. Doug Wiltsie



Executive Director
SoSE&I
SAAL-SSI

BG Brian Cummings



PEO Soldier

MG Jon Maddux



PEO STRI

Mr. Doug Bryce



JPEO CBD

Mr. Conrad Whyne



PEO ACWA

Mr. Craig Spisak



Director
USAASC

MG Brian Lein



Commander
MRMC*

* Deputy for Medical Systems. Receives acquisition oversight but reports to the Surgeon General



Program Executive Office Ammunition Organization



Project Manager Combat Ammunition Systems

Indirect Fire Munitions and Mortar Weapon Systems

- Excalibur
- Guided Precision Munitions & Mortar Systems

COL Willie Coleman



PEO Ammunition
Mr. James Shields



DPEO Ammunition
BG Patrick Burden



Mr. Chris Grassano

Chief of Staff

- Systems Acquisition
- Business Management
- Human Resources
- International
- CIO
- S&T



Project Manager Close Combat Systems

Networked Munitions, Force Application Systems, Explosive Hazard, and Countermine

- Counter Explosive Hazard
- Area Denial
- Combat Munitions
- Support Munitions

Mr. Matthew Butler (acting)



APEO International
Doreen Chaplin



Command Chief
Warrant Officer
CW5 Bill Lewis



Mr. Keith Gooding
USMC

Project Manager Towed Artillery Systems

Support Fires for Maneuver forces

- M777A2 Lightweight 155mm Howitzer
- M119A3 105mm Howitzer Digitization
- Target Acquisition



Project Manager Maneuver Ammunition Systems

Direct Fire Munitions

- Small, Medium and Large Caliber
- Non-Standard Ammunition

COL Moises Gutierrez



Project Director Joint Services

- SMCA Integration
- Demilitarization
- Ammunition Industrial Base
- Ammunition Logistics R&D
- Technology and Prototyping

COL Joseph Chan

Develop, equip, and sustain lethal armament and protective systems enabling joint warfighter dominance

- US ARMY
- US AIR FORCE
- US NAVY
- USMC



COL Barry Roeper USAF

Project Director Joint Products

- Air Force and Navy Bombs
- Navy Deck Gun Ammo
- Energetics
- CAD PAD



CAPT Brian Schorn USN

O/EDCA

Executive Director Conventional Ammunition

SMCA Assessment

Single Manager for Conventional Ammunition



Continuous Performance Improvement PEO Ammo Status for FY15

**Level 5 Mature Organization
with training/certification performed locally**

36% LSS
certified,
60%
trained

LSS
\$68.433M
FY15
(8 GB projects)

VE
\$32.6M
FY15
(4 projects)

BBP
\$783.2M
FY15

LSS
\$305.45M
since 2010

VE
\$183.4 M
since 2010

BBP
\$5.69 B
since 2011
Across 183 initiatives

CPI inculcated throughout PEO & ARDEC Organizations



PEO Ammo Focus Areas

Flares & Signals

Near-term:

- Defeating increased threats to aircraft
- environmentally friendly materials

Mid-term:

- Defeating advanced aircraft threats
- Lighter and more tunable countermeasures (multi-purpose)

Long term:

- Fully tunable effects (user selectable)



Tank Ammo

Near-term:

- Advanced KE and AMP

Mid-term:

- DU alternates

Long-term:

- Guided extended range for advanced targets



Small Cal

Near-term:

- OWL and ADVAP

Mid-term:

- Lighter weight ammo

Long-term:

- Extended range guided with user tunable effects
- "Trace" capability in smart sight on the weapon vs. on the round
- "Ammo on demand" - user has the capability to "produce" the ammo as needed.



Artillery & Mortars

Near Term:

- Fielding light-weight weapons / Precision ammunition
- Producing High Explosive (HE) rounds with insensitive munition fills
- Compatibility with M-Code GPS

Mid-term:

- High Explosive Guided Mortar (HEGM)
- Light-weight digital fire control
- Longer range through ammo improvements
- Increased lethality for 155mm (cluster munition replacement)

Long-term:

- Longer range through weapon upgrades

Demolitions:

Near-term

- Improving producibility of Modernized Demolition Initiators (MDI) components (i.e., blasting cap)

Mid-term

- More portable and modular components
- Reducing collateral damage
- Developing more IMX compliant items

Long-term

- Non-kinetic neutralization of explosives from standoff.





PEO Ammo Focus Areas (cont.)

Medium Caliber

Near-term:

- Increased lethality through warhead and round design

Mid-term:

- Extended range and guidance

Long-term:

- Collaborative/swarming effects
- “Ammo on Demand”



Non-Lethal

Near-term:

- Improvements to the 40mm and 12 ga ammunition

Mid-term:

- More covert and passive marking of targets

Long-term:

- Integrated lethal and non-lethal effects and non-kinetic engagement



Shoulder Launched

Near-term:

- Development of IAM

Mid-term:

- Fielding of IAM

Long-term:

- Longer range defeat of advanced targets



Area Denial

Near-term:

- Spider (all increments)

Mid-term:

- Family of Scatterable Mines (FASCAM)

Long-term:

- Remote/autonomous emplacement and scalable effects - Gator Landmine Replacement Program (GLMR)



Counter Explosive Hazard (CEH)

Near-term:

- Development of autonomous operations (AMDS)

Mid-term:

- Greater speed and standoff for detection marking and lower cost technologies

Long-term:

- Detection and non-kinetic neutralization of explosives from standoff



Grenades

Near-term:

- Benign smoke & fuze/primer upgrades

Mid to long term:

- Dual use lethal/stun grenade and multi-smoke grenades

Long-term:

- Non-kinetic effects and lighter weight





At the End of the Day...



We're Meeting Joint Warfighter's Needs !