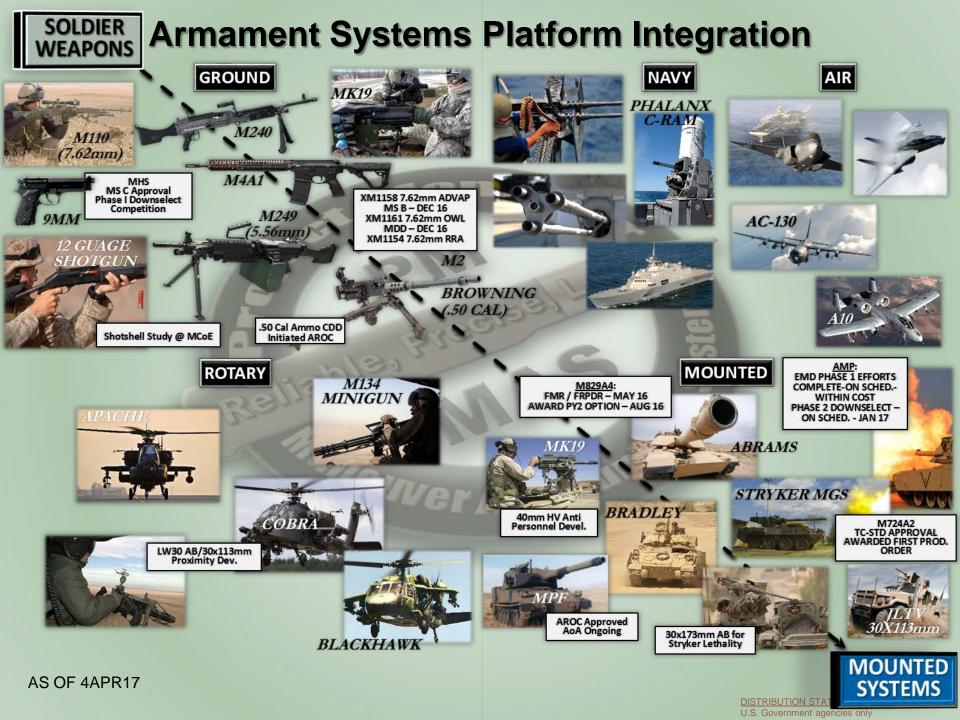


2017 NDIA Armament Systems Forum Firing Demonstrations (Session III)

COL M. Gutierrez, Project Manager, Maneuver Ammunition Systems

1-4 MAY 2017







Priorities & Focus

Future Capabilities to Defeat Threats in Lethal, Contested Complex Environment

- Airburst Munitions for Mounted & Dismounted Fight Autonomous/Programmable
- Extended Range Munitions across the portfolio
- Increased Precision/Guided

Current Development Programs				
7.62mm One Way Luminescence (OWL)	40mm Day/Night/Thermal Training (DNT)			
7.62mm Lightweight Small Caliber Ammo	120mm Advanced Multi-Purpose (AMP)			
7.62mm Reduced Range Ammunition (RRA)	Stryker ONS 30 x 173mm			

Emerging Needs				
5.56, 7.62 & .50 Cal OWL, LW Ammo, Reduced Range Training				
40mm Grenades	HE Airburst, Door Breach			
30mm Cannon	HE Airburst			
105mm Multi-Purpose				
120mm Extended Range				

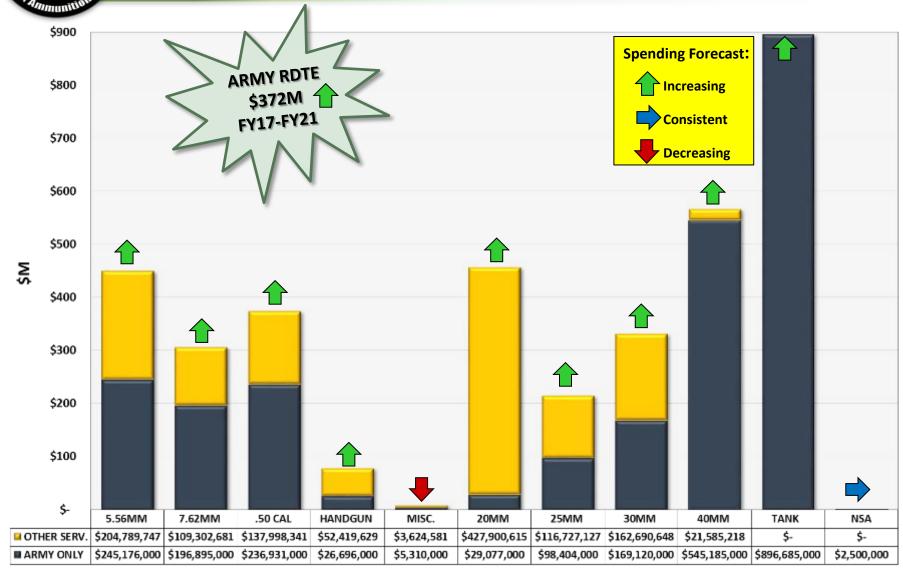
Potential for Increased Production to Support the Joint Warfighter

- FY17 DoD budget with Congress potential for significant increases in ammo buys
- PM MAS now buying all Non-Standard Ammo for CENTCOM
- FY17 projections 950M rounds Standard/91M Non-Standard

Change in Character of War



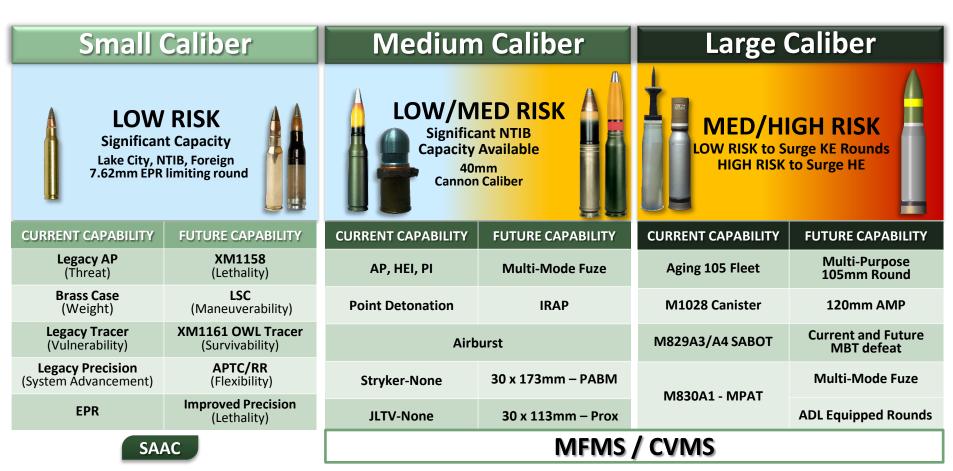
PM-MAS PB17 Budget Outlook (FY17-FY21)





Scenario—Threat Based Posture

- Multi-Caliber approach to Overmatch threat capabilities
- Focus R&D Investments in that direction
- Maintain Industrial Base capacity & surge





Industrial Base Posture Key Trends

MEDIUM CANNON CALIBER

(20mm, 25mm, 30mm)

- 30x173mm Ammunition for Stryker ICV ONS
 - ✓ Short-term Urgent Materiel Release (UMR) of Ammo
- Potential 30x173mm Program of Record
 - √ Full Materiel Release for Army
 - ✓ Programmable Airburst Development
- New emerging requirements could increase outyear demand
- ✓ Increased lethality for JLTV
- √ 30mm AB

MEDIUM CALIBER AMMUNITION

(40mm Grenades)

- Requirements could increase outyear demand
 - ✓ Low Velocity High Explosive Airburst Development
 - ✓ Potential Adoption of 40mm Door Breaching Ctg.
 - ✓ Potential High Velocity Anti-Personnel Capability on MK19
- TP-DNT production starting late FY17
- High FMS demand for M430A1

SMALL CALIBER AMMUNITION

(5.56mm, 7.62mm, .50 CAL, Misc)

- Small Caliber ammunition products in relatively good position
 - ✓ Potential for Lake City AAP competition in FY18-FY19
- ✓ Maintaining Second Source for high demand products
- Boutique Items Close Combat Mission Capability Kit (CCMCK), Short Range Training Ammunition (SRTA) etc. more dependent on other service buys



PM MAS FY17/ FY18 Competitive Opportunities

FY17 / FY18							
FY17							
Program/ Item/ Description	Projected RFP Release	Projected Award Date	Total Potential Contract Value	Contract Strategy*	Contract Type**		
7.62mm Bottlenose Blank	AUG 16	MAR 17	\$6.25M	С	IDIQ		
Shotshell	AUG 16	MAR 17	\$20.1M	С	IDIQ		
120mm Tank Training	JUL 16	MAR 17	\$671.1M	LC	FFP		
Small Cal Non Recurring Engineering	JUL 16	APR 17	\$65M	С	IDIQ		
5.56mm Frangible	DEC 16	AUG 17	\$52.8M	С	REQ		
NSA IDIQ (CONUS)	JAN 17	AUG 17	\$500M	С	IDIQ		
40mm Systems	FEB 17	SEP 17	\$483M	С	FFP		
FY18							
Medium Caliber Family	DEC 17	JUL 18	\$2B	LC	IDIQ		
40mm IRAP	NOV 17	MAY 18	\$28.9M	С	FFP		
PM MAS Support	DEC 17	MAY 18	\$10M	С	IDIQ		

^{*}Competitive (C), Small Bus Set-Aside (SBSA), National Tech. & Industrial Base (NTIB), Sole Source (SS), Limited Competition (LC)

AWARDED

^{**}Firm Fixed Price (FFP), Indefinite Delivery/ Indefinite Qty. (IDIQ), Requirements Contract (REQ)



PM-MAS Request for Industry Input

- PM-MAS has R&D Funds to execute EMD Programs for validated requirements (Most cases) IRAD Strategy should support Govt. vision
 - Identify/Minimize potential sole source situations at all levels of suppliers

Industry input will be considered in developing acquisition strategy



Message to Industry

- Contested complex near peer adversaries create potential to be outsourced, out ranged, out protected and out of balance
- Overall Direct Fire Ammunition Production rising next few years
 - Near Peer scenarios will put upward pressure on War Reserve requirements
- Overall increase in R&D across Portfolio with focus on speed to field
- Consolidation for Non NATO Munitions
 - Requirements not going away anytime soon
 - CENTCOM / Big Army / SOCOM consolidation