



NDIA Small Arms Systems Symposium

*"Enhancing Small Arms Effectiveness
in Current and Future Operations"*

Mr. William Sanville Project Manager, Acting

23-26 May 2011

*Equipping US and Allied Warfighters with World
Class Direct Fire Combat and Training Ammunition
Through Strategic Life Cycle Management*



Project Manager Maneuver Ammunition Systems



What we do (Our Mission)



We have one purpose – To provide our Warfighters with the best possible ammunition so they can successfully accomplish their mission, whether in training or in combat

How we do it:

- ✓ Provide safe, dependable and high performing products
- ✓ Maintain “right” mix of production capability to meet current requirements and allow for future contingencies
- ✓ Deliver on time – Support urgent requests
- ✓ Get best value for our products (most “bang” for the buck)
- ✓ Build Soldier confidence with his or her weapon
- ✓ Understand User and their requirements (Soldier as a system)

Everything We Do Supports the Warfighter!



Small Caliber Ammunition

5.56MM, 7.62MM, 9MM, .50 CAL



5.56mm



M862 SRTA M200 M193 M855 Ball M856 M195 M855A1



9mm



7.62mm



M974 M993 M82 M80 Ball M82 M80 Ball Lmkd M276 M118 Ball

.50 Cal.



M1A1 Blank M33 Ball M17 Trace M20 M8 M211 M982 M903 M860 Tracer M858 Ball



Medium Caliber Ammunition



MK244 M940 PGU27A/B PGU28A/B PGU30A/B

20mm



M791 M792 M793 M910 PGU23 PGU25 PGU32 M919

25mm



M788 M789 MK266 MK268 MK310 PGU14 PGU15 PGU-13B

30mm



U.S. AIR FORCE



L60
40mm



Low Velocity



40mm



M430A1 M918A1 M385A1 M781 M433 M583A1 M585 M661 M662 M992

High Velocity



Low Velocity



Large Caliber Ammunition



120mm, 105mm Training & Tactical Ammunition



105mm



Non-Standard Ammunition (NSA) Mission



The NSA Project Office works with the customer and key stakeholders to establish and execute programs to provide quality non-standard ammunition to Allied nations and other U.S. customers





Definition – Non-Standard Ammunition

- Not in US Army supply base
- Not type classified or safety certified for use by US Army
- Not produced using technical data packages managed by US Army



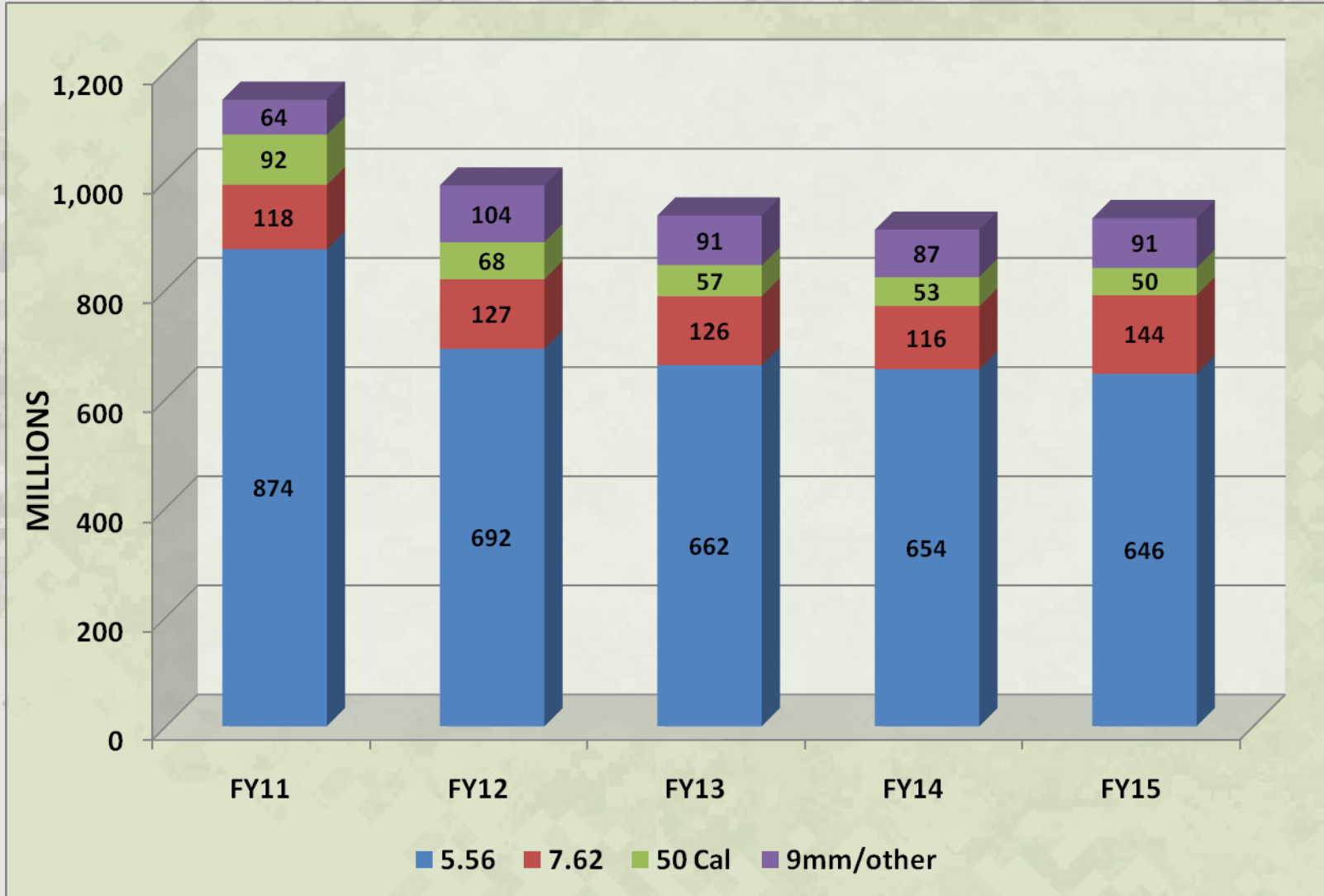
All Services FY11 & 12 Production



		FY11	FY12
Small Caliber 	5.56MM	874M	692M
	7.62MM	118M	127M
	.50 Cal	92M	68M
	9MM	56M	94M
	Shot Shells, Calibers .45, .22, .30	8M	9.6M
	Medium Caliber 	20MM	4M
25MM		0.7M	0.7M
30MM		4.5M	2.5M
40MM Low Velocity		2.5M	1.1M
40MM High Velocity		6.6M	4.8M
Large Caliber 	105MM	4K	0
	120MM Training	98K	25K
	120MM Tactical	0	0
Non-Standard Ammo 	Infantry	115M (YTD)	TBD
	Aviation	1K (YTD)	TBD
	Tank & Artillery	4K (YTD)	TBD



Small Caliber Ammunition Forecast



OSD AT&L Efficiencies Implementation



- **Aggressive Unit Cost Reduction**
 - 5.56mm Enhanced Performance Round: substantial cost decrease resulting in price savings approx \$50M beyond projected learning curve in FY12.
- **Active Value Engineering Programs (Projected Saving \$23M in FY12)**
 - Improved and cheaper packaging
 - 40mm pivoting coupling / Mixed Belt
- **New cost efficient acquisition strategies**
 - Alternate year buys on 25mm
 - Developing competition for items such as 30mm M789
- **Promoting competition in RDT&E**
 - 120mm M829E4 and AMP



Where are we Going in the Small Caliber Portfolio...



- Preparing for Lake City AAP competition
- Competing a Second Source Contract
- Preparing for new Pistol (other than 9mm) and shotgun contracts
- Fielding 5.56mm EPR and extending to 5.56mm Trace
- Engineering 7.62mm Green using 5.56mm EPR approach
- Robust 6.6 RDT&E Program
- Developing updated requirements documentation on 5.56mm, 7.62mm, .50 Caliber & 40mm ammunition

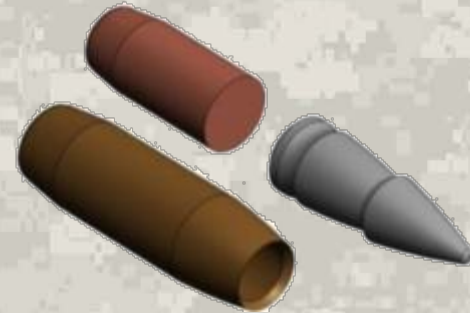


M855A1 Enhanced Performance Round (EPR)



■ Important Information for Unit Leadership

- NOT just a “green” round
- You WANT this in the fight!
- Significant performance improvements in 5.56mm
 - Soft target performance similar to 7.62mm ball
 - Hard target (steel) performance far better than 7.62mm ball
- Priority of issue directly to combat units
- Replaces current M855
- Units not required to re-zero, however it is recommended
- Fielded – Jun 10



PM-MAS Technology Strategy



Goals:

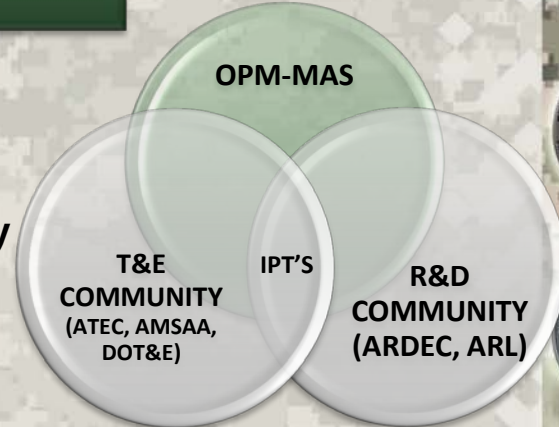
- Seamless RDT&E Transition Process
- Provide Strategic Input into Technology Strategies of DoD Labs (Specifically ARDEC) and Contractor IRAD Efforts
- Establish Reference Source for Product Managers and Project Manager to Seek Funding for R&D
- Identify Opportunities to Leverage Work Across Product Lines



Support the Warfighter by Pursuing the Right Technologies to Fill Capability Gaps, Reduce Costs, and Improve Safety

Execution:

- Identify and Communicate Gaps
- Develop Sound Business Cases (proposals or Technology Transition Agreement) to Fill Gaps
- Identify Opportunities to Leverage Work Across Product Lines



Develop Traceable and Supportable Strategic Plan Based on Warfighter Needs and Requirements

