Take Aways

- Significant Production Ramp Up of Direct Fire Ammunition Has Met Our Warfighters’ Needs
- Substantial New Capabilities Provided in Theater for use Against Asymmetric Threats
- Future Direct Fire Products Will Provide Even Greater Capabilities
- Direct Fire Ammunition Information to Support our Warfighters in the Asymmetric Fight

Quantity, Capabilities, & Information to Support Warfighters’ Needs
MISSION: PM MAS Provides Direct Fire Combat And Training Ammunition Capabilities To All Warfighters (Army, Navy, Air Force, Marines)
Significant Direct Fire Production Ramp Up

Small Caliber Deliveries

All Services, All sources

Deliveries Nearly Quadruple

40MM Deliveries

Deliveries Increased Substantially (Army Only)

CTG 40MM PRACTICE M781
CTG 40MM WHITE STAR PARA M583
CTG 40MM HEDP M430 F/MK19 MG
CTG 40MM HEDP M433
CTG 40MM PRACTICE M385A1
CTG 40MM WHITE STAR CLUSTER M585
CTG 40MM TP M918 LINKED F/MK19 MG
**Significant Direct Fire Production Ramp Up**

**Medium Cannon Caliber Deliveries**

Increasing Deliveries

**Large Caliber Deliveries**

Consistent, Significant Deliveries

**DISTRIBUTION STATEMENT A:**

Use or Disclosure of Data Contained on the Page is Subject to Restrictions on Title Page
New Capabilities in Theater
MGS and 105mm Ammunition

M393A3 HEP
- Wall-Breaching Cartridge for Stryker Mobile Gun System (MGS)
- Requirement: Create 30” x 50” Hole In Double Reinforced Concrete Wall, Defeat Bunkers & Dismounted Infantry
- Full Rate Production

M1040 APERS
- Anti Personnel Cartridge (APERS) for Stryker Mobile Gun System (MGS)
- Requirement: Defeat Dismounted Infantry Squad In The Open From 50-500m
- >2000 Tungsten Balls
- Full Rate Production
New Capabilities in Theater
MGS and 105mm Ammunition

M393A3 HEP

M1040 APERS

Capabilities for the Warfighter in the Asymmetrical Fight
New Capabilities in Theater
120mm Ammunition

- Anti Personnel Cartridge for Abrams
- Requirement: Defeat Dismounted Infantry Squad In the Open From 200 to 500M
- Demonstrated Effectiveness Against Alternate Targets
  - Light Skinned Vehicles
  - Concrete Block Walls
  - Concertina Wire
- ~1100 Tungsten Balls
- Full Rate Production
New Capabilities in Theater
120MM Ammunition

M1028 Anti-Personnel Cartridge

Capabilities for the Warfighter in the Asymmetrical Fight
Future Capabilities
120MM Ammunition

Advanced Multi-Purpose

PRESENT: 4 ROUNDS

TARGET SET

FUTURE: 1 ROUND

Combines capabilities of M1028, M830A1, M908 and M830 into ONE Round

Providing the Warfighter Improved Lethality and Operational Flexibility
Future Capabilities
120MM Ammunition

Mid Range Munition (MRM)

**System Characteristics:**
- 120mm Precision Tank Cartridge For FCS Vehicle MCS
- Designed To Defeat High Value Fleeting Targets (Tanks, APCs, Artillery, Etc.)
- Incorporates MMW And/Or I2R Seekers and Laser Seeker
- Operates In Line-of-Sight Or Beyond Line-of-Sight Modes
- Operates Autonomously And/Or With Designation
Warfighter Ammunition Information Program (WAIP)

**Problem Statement**
Users Not Aware of Specific Ammunition Capabilities

**Objective**
Develop Program to Address Ammunition Informational Gaps

- **Direct Fire Ammunition Operational Focus**
  - Classes / Forum Established
  - Train the Trainer Approach

- **Several Units Instructed on Small, Medium, and Large Caliber Direct Fire Ammunition**
  - 25th ID, 3rd ID, 82 ABN, 11th ACR, 3rd ACR
  - Marines, National Guard, Master Gunner Classes, SMA Classes, Warrant Officer Classes, etc..

- **Links All Soldiers to Ammunition Experts Within the Government & Industry**

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Assists Warfighters in Understanding Operational Capabilities of Their Ammunition Against Asymmetric Threats
Summary

- Significant Production Ramp Up of Direct Fire Ammunition Has Met Our Warfighters’ Needs
- Substantial New Capabilities Have Been Provided in Theater for use Against Asymmetric Threats
- Future Direct Fire Products Will Provide Even Greater Capabilities
- Direct Fire Ammunition Information to Support our Warfighters in the Asymmetric Fight

Quantity, Capabilities, & Information to Support Warfighters’ Needs