



Project Manager Soldier Weapons

# The Soldier

*Our Strength and Purpose*

## PM Individual Weapons Ms. Barbara Muldowney

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# PM Individual Weapons Portfolio



## Operations & Support



**M1911**  
Pistol



**M11**  
Pistol



**M9**  
Pistol



**M16A2/M16A4**  
Rifle



**M203/M203A1/M203A2**  
Grenade launcher  
w/ M4



**M14**  
Enhanced Battle  
Rifle (EBR)



**M500/M590**  
Shotgun



**M150**  
Rifle Combat  
Optic (RCO)



**M68**  
Close Combat  
Optic (CCO)



**M9**  
Bayonet



**M7**  
Bayonet

## Production & Deployment



**M4/M4A1**  
Carbine



**M320**  
Grenade Launcher  
Stand-alone



**M320A1**  
Grenade Launcher  
w/ M4



**M26**  
Modular Accessory  
Shotgun System  
(MASS)  
Stand-alone



**M26**  
Modular Accessory  
Shotgun System  
(MASS)  
w/ M4



Individual  
Weapon  
Cleaning Kit



Enhanced  
Performance  
Magazine

## Development



**XM25**  
Counter Defilade  
Target Engagement  
(CDTE) Weapon System



**XM1081 TP &  
XM1083 HEAB**



**XM17**  
Modular Handgun  
System (includes ammo)



**M4/M4A1**  
Upgrades



Grenadier  
Sighting System (GSS)



Next Generation  
Squad Weapon (Carbine)



Tactical Compact Shotgun



Subcompact



Suppressors



Small Arms  
Fire Control, Squad



Intelligent Rail

*"Provide premier Soldier weapons systems enabling battlefield dominance"*

# Path Forward



## Near Term

- Continue to optimize Soldier weapons to gain and/or maintain battlefield overmatch
- Develop Small Arms Fire Control and a Government-owned Digital Fire Control Module
- Develop suppression requirements, techniques and technologies
- Provide counter defilade capability via fielding of the XM25 CDTE System
- Begin fielding a new handgun system
- Army carbine "Pure-fleet" completed
- Improve functionality, reliability, durability and parts life of existing systems

## Mid Term

- Significantly increase Soldier lethality through Small Arms Fire Control
- Procure Next Generation Squad Carbine, Subcompact, & Designated Marksman Weapons
- Complete XM17 fielding; complete divestiture of legacy handguns
- Field integrated weapon and accessory management systems

## Far Term

- Advance lethality through the application of Revolutionary technologies



# XM25 Counter Defilade Target Engagement System



## ■ **Description:**

- Three highly integrated components, Gun, Fire Control and Ammunition, optimized to produce a programmable, precision fire airburst weapon system
- Semi-auto, magazine fed, 25mm weapon:
  - Programmable, low velocity, high explosive airburst (HEAB) ammo and target practice (TP) rounds
  - Fully integrated day & thermal night sight with full solution target acquisition/fire control
- Latest design incorporates upgrades in reliability, performance, manufacturability of the weapon, target acquisition fire control, and ammunition



## ■ **Capabilities:**

- Incapacitates targets in defilade & exposed targets
- 500 meter effective range for point target; 800 meters for area target

- ✓ System in Engineering and Manufacturing Development
- ✓ Undergoing testing at Aberdeen Proving Ground, MD
- ✓ Low Rate Production starts, 1QFY17
- ✓ Currently producing systems:
  - Prime & Ammo: Orbital ATK
  - Weapon System: H&K GmbH
  - TA/FC: L-3 Integrated Optical Systems

**Precision airburst capability increases squad effectiveness**



# M4A1 Carbine



- **Description:**

- A compact version of the M16A2 rifle, with a collapsible stock, a upper receiver accessory rail w/ detachable handle/rear aperture site assembly

- **Background:**

- More than 90 performance-based design improvements since its inception in early 1990s
- **Army authorized upgrade of all M4s to the M4A1 configuration in Sep 2010**
  - Will result in the conversion of approximately 483,000 weapons
  - Over 94K systems have been converted to date
- **Army decision to "pure-fleet" its mix of M16/M4 carbines to the M4A1 in Jan 2014**
  - Limited Full & Open Competitive Contract awarded in Sep 2015 for a maximum quantity of 292K systems



- ✓ FN Manufacturing, LLC is currently producing systems for the U.S. Army

### Limited Full & Open Competition

- ✓ Sources Sought Notice released, May 2014
- ✓ RFP release, Dec 2014
- ✓ RFP closed, Feb 2015
- ✓ Contracts awarded, Sep 2015

**Continue to incrementally improve the capability of the Army service rifle**

# M320/M320A1 Grenade Launcher Module



- **Description:**
  - The GLM is a 40mm grenade-launching weapon system
  - M320 mounts under M16; M320A1 mounts under M4 series
  - Improves squad level indirect/direct grenade launching capability out to 400m
- **Requirement:**
  - Capability Production Document (CPD), Feb 2007; Revised Jun 2007
- **Background:**
  - Full Materiel Release, Dec 2008
  - Over 41K systems fielded to date



## Full & Open Competition Contract

- ✓ Awarded to Capco LLC, Jul 2015
- ✓ 5-year IDIQ contract for up to 32K systems in support of Army and other Service needs

**Lightening the Soldier's load with modularity**



# Small Arms Fire Control, Squad



- **Description:**
  - Integrated fire control optic consisting of direct view optic, ballistic module, atmospheric sensors, range finder, and in-scope display overlay
- **Requirement:**
  - Draft Capability Development Document (CDD) in HQDA staffing
    - Squad, Precision, and Crew Served as one CDD with separate Engineering and Manufacturing Development efforts
    - Squad, Precision, and Crew Served as three separate Capability Production Documents CPDs with Production and Deployment efforts
- **Acquisition approach (Squad):**
  - Full and Open Competition to award two indefinite delivery/indefinite quantity (IDIQ) contracts for a short term advanced developmental effort, with a down-select to a single vendor for production



- ✓ Industry Day #1, Aug 2015
- Draft Solicitation release, 1QFY17
- Requirement approved, 2QFY17
- Industry Day #2, 2QFY17
- Solicitation release, 3QFY17
- Contract Award, 2QFY18