

The Face of Freedom



TEAM SOLDIER



Program Executive Office Soldier
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The Soldier as a System

Historically, Soldier equipment has fit together more by coincidence than by design. However, the technology boom has made possible the most significant transformation of the Soldier in half a century.

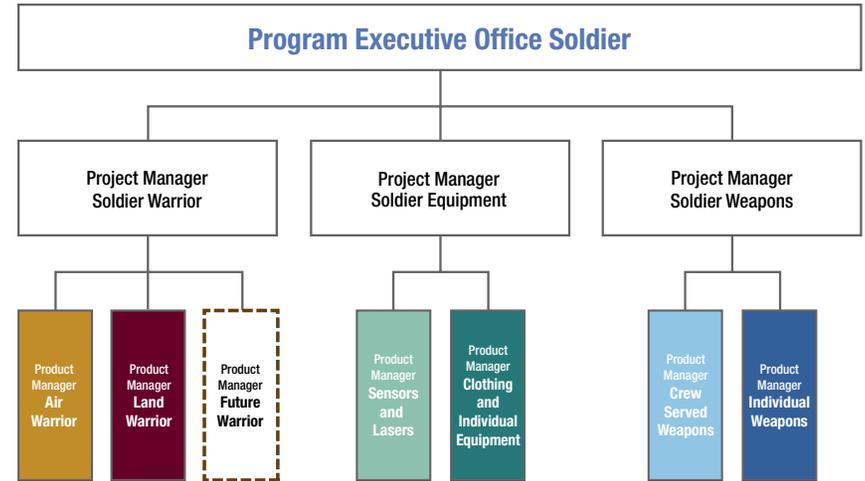
The Army recognized the need to focus, refine, and leverage new technologies and created a single acquisition office to champion the warfighting needs of the Soldier.

Program Executive Office (PEO) Soldier stood up in April 2002. PEO Soldier's mission is to arm and equip Soldiers to dominate the full spectrum of peace and war, now and in the future. To achieve this mission, the Army is treating the

Soldier as a System, in the same sense that larger weapon platforms such as tanks, howitzers, and aircraft function as systems and integrate with other systems. All aspects of Soldier equipment are developed to be integrated, modular, interoperable, and mission-tailorable.

The result is a single integrated combat system that enhances Soldier performance in all critical areas: increased effectiveness, decreased load, and improved mission flexibility.

By managing the Soldier as a System, PEO Soldier will save Soldiers' lives, improve their quality of life, and increase their combat effectiveness.



Program Executive Office Soldier is composed of the following Project Manager Offices and special activities:

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FY04 RFI Equipment List

Force Protection/Mobility

Advanced Combat Helmet (ACH) and Cover
 ACH NOD Mount
 Helmet Repair Kit
 Modular Integrated Communications Helmet (MICH) System
 Knee and Elbow Pads
 Grappling Hook
 Door Ram
 Tomahawk
 Fiber Optic Viewer
 Quickie Saw and Replacement Blades
 Modular Entry Tools
 Double Key – Cuff
 Assault Ladder with Backpack

Soldier Mission Essential Equipment

Modular Lightweight Load-Carrying Equipment (MOLLE) Accessories
 Multipurpose Tool
 Black Fleece Bib
 Silk Weight Underwear
 Hydration System
 Goggles
 Glove System

Cold Weather Cap
 Infantry Combat Boot Type II (AF Desert)
 Improved Hot Weather Desert Boot
 Commercial, Off-the-Shelf (COTS) Socks
 Moisture Wicking T-Shirt/Sports Bra
 Combat Belt

Lethality

Weapon Light
 M249 Forward Rail System
 M240B Forward Rail System
 M122A1 Tripod
 M24 Mini Binoculars
 VIPER (VECTOR 21)/Mark VII
 PRC-148 Multiband Inter/Intra Team Radio (MBITR)
 M249 Ammo Soft Pack
 M240B Combat Ammo Pack
 M4/M16 Magazines

Individual Weapons/Optics

TA31F-4X Advanced Combat Optical Gunsight (ACOG)
 M145 Machine Gun Optic
 M68 Close Combat Optic
 Backup Iron Sight

Rapid Fielding Initiative

The Rapid Fielding Initiative (RFI) provides Soldiers with the finest state-of-the-art individual and small unit equipment to enhance their lethality, mobility, and survivability on the battlefield. The RFI program enhances our fighting forces' capabilities in the daily performance of their missions, provides an equitable distribution of capabilities across our force, and modernizes our Soldiers in a systematic and integrated manner according to the principles of the Soldier-as-a-System philosophy.

Initiated in late 2002 as a reflection of lessons learned from Operation Enduring Freedom, RFI currently consists of more than 40 items that provide the most up-to-date equipment in the categories of force protection and mobility, lethality, Soldier mission-essential equipment, and individual weapons/optics. To date, more than 200,000 Soldiers have benefited from this new equipment. Nineteen brigade combat teams and 105,000

support troops have been fielded with RFI equipment in FY04 alone; 26 additional brigade combat teams and 161,000 support troops are on track to be fielded in FY05.

The criticality of RFI to Soldier readiness and capabilities fostered further expansion of the program through the establishment of a goal, beginning in FY05, to equip all Soldiers in the operational Army with RFI equipment by the end of FY07. The end state of the operation will find some 840,000 Soldiers in 48 Active and 36 Reserve Component brigade combat teams, along with their associated Combat Support units, receiving the enhanced capabilities provided by the basic RFI Soldier kit. Throughout this process, PEO Soldier is committed to saving Soldiers' lives, improving their quality of life, and increasing their combat effectiveness.



PROJECT MANAGER SOLDIER WAR RIOR

PM Soldier Warrior supports Soldiers by making the Soldier-as-a-System concept a reality through the acquisition of modular, integrated Soldier systems designed to improve:

- Battle Command and Tactical Awareness
- Lethality
- Survivability
- Mobility and Sustainment

PM Soldier Warrior programs include Ground Soldier Systems, Air Soldier Systems, and Mounted Soldier Systems.

PM Soldier Warrior will also develop, produce, test, and field advanced capabilities for the Future Force, including Ground, Air, Mounted, Maneuver Support, and Maneuver Sustainment Soldier Systems.



Product Manager Air Warrior

PM Air Warrior is fielding the first Air Soldier System. Air Warrior is a total, modular system that increases freedom of movement at flight controls, improves mobility to safely operate aircraft systems, enables easier ingress and egress from the aircraft, and, through enhanced comfort and cooling, increases mission duration time in full, mission-oriented protective posture ensemble.

The Electronic Data Manager, which will begin fielding this year, is a user-friendly kneeboard computer that displays moving maps (aircraft position and waypoints), interfaces with Blue Force Tracking (BFT) and the Air Mission Planning System (AMPS), and performs weight, balance, and navigation calculations.



Air Warrior

Survival Equipment Subsystem

- Primary Survival Gear Carrier
- Survival Gear
- Soft Body Armor with .30 Cal Hard Insert
- Current M9 (9mm) - Defensive Weapon
- Thigh Holster
- PRC 90/PRC 112 Radios



NBC Protection

- M45 Protective Mask with Blower
- M48 Protective Mask
- Modified Chemical Protective Undergarment, Gloves, and Overboot
- Joint Protective Aircrew Ensemble
- Joint Service Aircrew Mask



Cockpit Air Bag



Microclimate Cooling System

- Microclimate Cooling Garment
- Microclimate Cooling Unit



Modular Integrated Helmet Display System

- HGU-56/P/IHADSS Helmet
- Communications Earplug (HGU-56/P)
- Laser Eye Protection
- Night Vision Goggles



Over Water Mission Equipment

- Anti-Exposure Suit (CWU-62/P)
- Overwater Gear Carrier w/ Integrated Raft
- Survival Egress Air
- Flotation Collar

Clothing Items

- Modified ABDU
- Aircrew Cold Weather System



Electronic Data Manager

- Interface with AMPS
- Interface with BFT
- Moving Map Displays
- Performance Planning
- Checklists/Manuals
- Uses Aircraft Power and GPS

Aircraft Wireless Intercom System

- CH-47 and UH-60 only



Product Manager Land Warrior

PM Land Warrior is developing the Ground Soldier System, which integrates everything an infantry Soldier wears or carries on the battlefield. Land Warrior, the current Ground Soldier System in development, provides significant improvements in Soldier tactical awareness, lethality, and survivability.

The Dismounted Battle Command System, an early spiral-out from Land Warrior, will improve the infantry unit's battle command and tactical awareness.

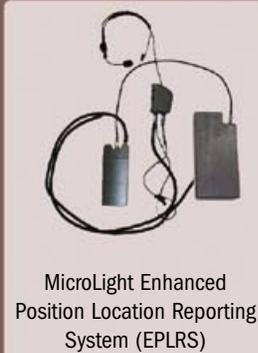
Mounted Warrior is an integrated system that will improve the survivability, lethality, and combat effectiveness of armor vehicle crewmen, including Future Combat System (FCS) crewmen.



Dismounted Battle Command System



Commander's Digital Assistant



MicroLight Enhanced Position Location Reporting System (EPLRS)



Mounted Warrior



Land Warrior



Multiband Inter/Intra Team Radio (MBITR) AN/PRC-148(V)(C)



Dismounted-Combat ID Marking System (D-CIMS)

Product Manager Future Warrior

PM Future Warrior will develop and field a family of Soldier Systems for the Future Force. Future Soldier Systems will be lightweight, overwhelmingly lethal, and fully integrated individual combat systems that provide head-to-toe individual protection, networked communications, Soldier-worn power sources, and enhanced performance. Future Warrior will provide Soldier System capabilities for the Future Combat System (FCS).



Sensory Enhancement



Protection (Integrated Suit & Helmet)



Strike (Exploit FCS Netted Fires)



Robotics



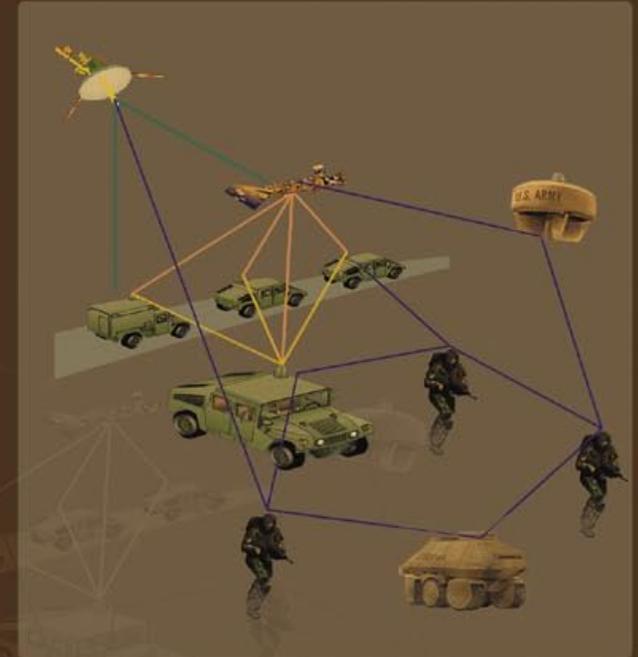
Human Performance and Embedded Training



Power Sources



Future Soldier

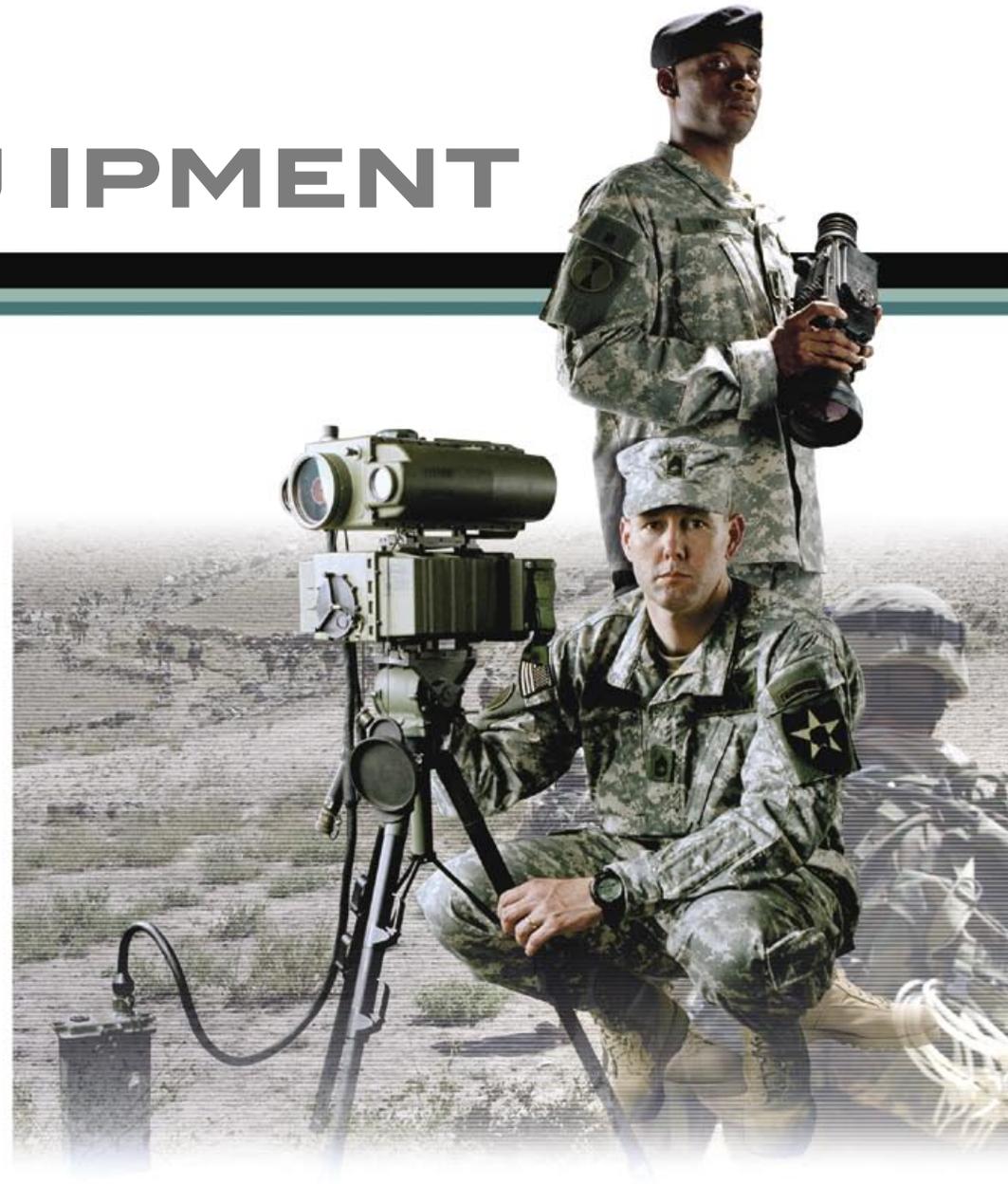




PROJECT MANAGER SOLDIER EQUIPMENT

PM Soldier Equipment enhances lethality, survivability, mobility, and sustainment for all Soldiers, and improves the health, safety, and comfort of Soldiers in both field and garrison environments through a variety of individual equipment and clothing items. These items range from highly advanced technology that enables the Soldier to perform both day and night operations to formal clothing and accessories that promote a highly professional appearance. PM Soldier Equipment product lines include:

- Man-portable laser/light technologies for pointing, illumination, range-finding, and target designation
- Night vision devices
- Ballistic and fragmentation protection
- Technologically advanced tactical and environmental protective clothing
- Individual chemical protective gear
- Personnel airdrop equipment



Product Manager Clothing and Individual Equipment

PM Clothing and Individual Equipment (PM-CIE) enhances the Soldier's capability to survive in both natural and manmade environments and throughout the full spectrum of military operations. From Afghan mountains and Middle Eastern deserts to terrorist-made environments involving chemical, biological, and industrial toxins, PM-CIE enhances Soldier survivability through technologically advanced tactical and environmental protective clothing and individual equipment. PM-CIE's suite of state-of-the-art materiel solutions enhances:

- Survivability from ballistic and fragmentation effects of direct and indirect fire weapons and improvised explosive devices and during the conduct of explosive ordnance disposal or mine-clearing operations.

- Mobility through individual load carriage systems and equipment that integrate onto the Soldier System for better efficiency and comfort, as well as reduced weight and size of all Soldier clothing and individual equipment.



PM-CIE helps maintaining the health and effectiveness of Soldiers so they can achieve maximum sustained performance.



Interceptor Body Armor



Advanced Combat Helmet



Army Combat Uniform



Tactical Assault Ladder System



Micro Rappel System



Collapsible Grappling Hook



Advanced Bomb Suit



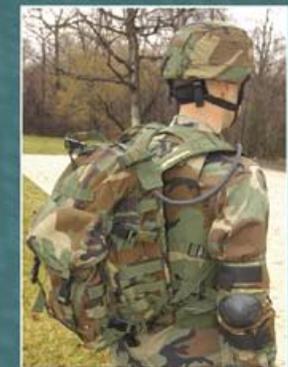
Black Fleece Coat and Trousers



From left to right: Army Combat Boot (Temperate Weather), Army Combat Boot (Hot Weather)



Modular Lightweight Load-Carrying Equipment (MOLLE)



Assault Pack

Product Manager Sensors and Lasers

PM Sensors and Lasers (PM-SSL) provides individual Soldiers with enhanced lethality and situational awareness through:

- Cooled and uncooled thermal sensors that provide Soldiers with surveillance and fire control capability for individual and crew served weapons during degraded battlefield visibility conditions, enabling accurate detection, acquisition, and engagement of targets in all battlefield conditions.
- Infrared and laser technology that enables Soldiers to use individual weapons at maximum firing distances, and provides reconnaissance teams with the capability to gather and transmit near real-time images that can assist the tactical and theater commanders in operations planning and reporting.

PM-SSL develops and fields Aviation Night Vision Goggles to the Joint Aviation Community. These incorporate heads-up display flight data information, enabling flight operations during obscured visibility conditions and permitting focus outside the aircraft for increased flight safety.

PM-SSL's efforts enable Soldiers on the ground or in the air to "own the night."



Viper (Vector IV-Binocular Laser Rangefinder)



Lightweight Laser Designator Rangefinder



STORM Micro-Laser Rangefinder (MLRF)



TALON



Mini Eye-Safe Laser Infrared Observation Set (MELIOS)



Laser Borelight System



Integrated Laser White-Light Pointer



Aiming Light/Illuminator AN/PEQ-2A



Aiming Light/Illuminator AN/PAQ-4C



MK VII



Aviator Night Vision Imaging System



Enhanced Night Vision Goggles



AN/PVS-10



Night Vision Goggles, PVS-7



Monocular Night Vision Device, PVS-14



Heavy, Medium, and Light Thermal Weapon Sights



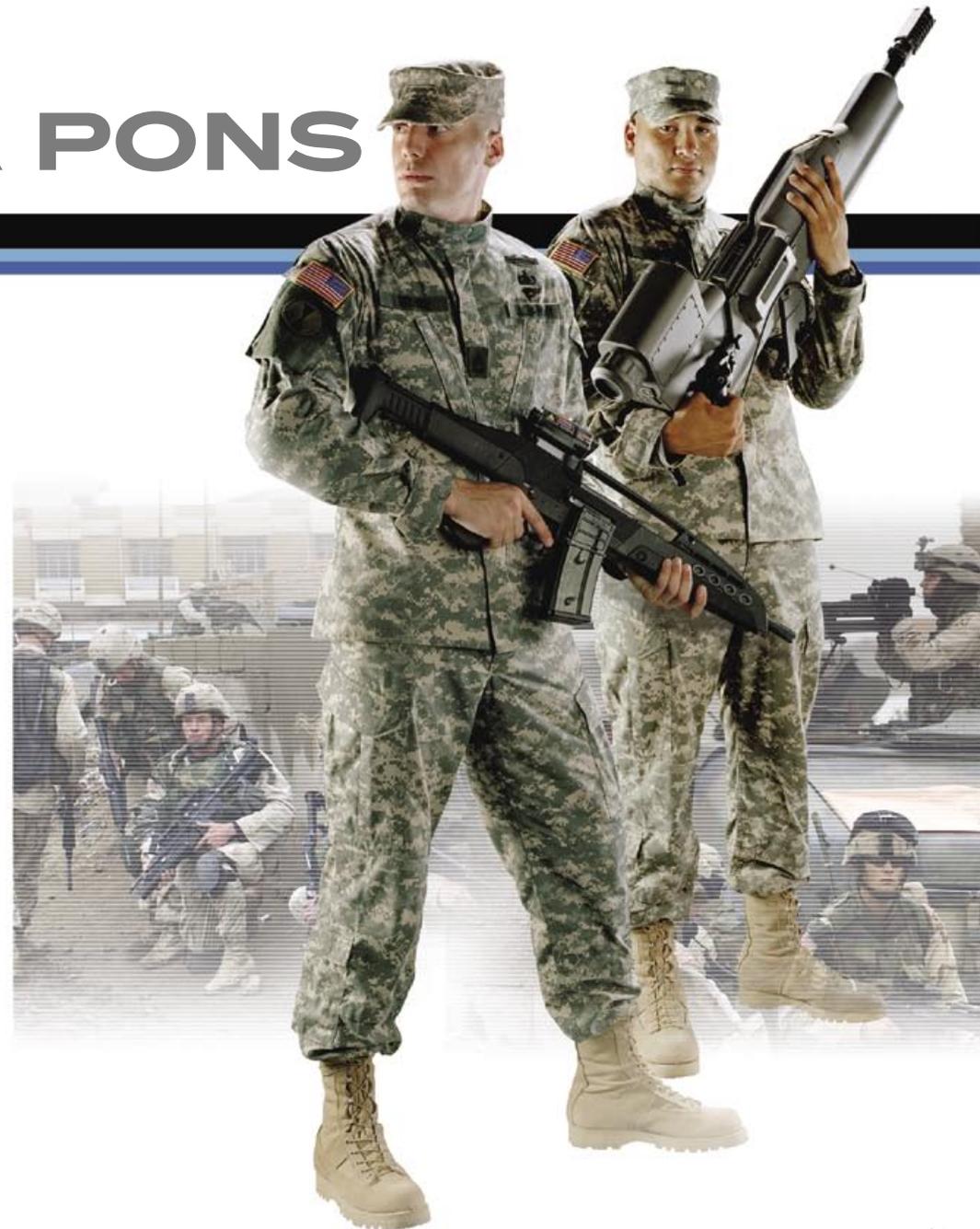
PROJECT MANAGER SOLDIER WEAPONS

PM Soldier Weapons provides unsurpassed support to Soldiers through the enhancement of current weapon systems and the development and production of future weapon systems, ammunition, and associated target acquisition and fire control products.

PM Soldier Weapons oversees current individual and crew served weapon systems and next-generation weapons programs, including the following:

- XM8 Modular Assault Weapon System
- XM25 Airburst Weapon System
- XM26 Modular Assault Shotgun System
- XM307 Advanced Crew Served Weapon (25mm)
- XM312 Advanced Crew Served Weapon (Lightweight .50 Caliber)
- M107 Long Range Sniper Rifle
- XM101 Common Remotely Operated Weapon Station (CROWS)

PM Soldier Weapons ensures that these systems are equipped with decisive overmatch capability by dramatically increasing lethality and range, and by decreasing weight.



Product Manager Crew Served Weapons

PM Crew Served Weapons maintains and improves current Crew Served Weapons, such as light, medium, and heavy machine guns, automatic grenade launchers, sniper systems, and associated fire control and target acquisition products for the Army and other Services. PM Crew Served Weapons provides Soldiers with a decisive overmatch capability by increasing the lethality and capability of those systems. It manages research and development of all small arms ammunition and provides the next generation of Crew Served Weapons for the Army.



XM307 Advanced Crew Served Weapon



XM312 Lightweight .50 Caliber Machine Gun



M240B Medium Machine Gun



M249 Squad Automatic Weapon



MK19 Grenade Machine Gun



M2 Machine Gun



Common Remotely Operated Weapon Station



M107 Long Range Sniper Rifle



XM1060 40mm Thermobaric Cartridge



M145 Machine Gun Optic



Product Manager Individual Weapons

PM Individual Weapons maintains and improves current Individual Weapons, such as rifles, carbines, pistols, and grenade launchers for the Army and other Services. It provides Soldiers with decisive overmatch capability by increasing the lethality, range, and capability of those systems. PM Individual Weapons is responsible for the development of next generation Individual Weapons, such as the Integrated Airburst Weapon System, fully integrated day and night target acquisition fire controls, and increased small arms capabilities, including increased service life, decreased training burden, decreased logistics burden, reduced weight, and multi-configurable variants (i.e., changeable barrels and accessories).



XM8 Modular Assault Weapon System



XM25 25mm Airburst Weapon System



M16A4 Rifle



M4 Carbine Modular Weapon System



M9 Pistol



XM320 Grenade launcher



XM26 Modular Accessory Shotgun System

Program Executive Office Soldier integrates 346 programs, enabling the Soldier to dominate the full spectrum of peace and war, now and in the future.

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Project Manager Soldier Warrior

Ft. Belvoir, VA

Product Manager Air Warrior

Redstone Arsenal, AL

Product Manager Land Warrior

Ft. Belvoir, VA

Product Manager Future Warrior

Ft. Belvoir, VA

Project Manager Soldier Equipment

Ft. Belvoir, VA

Product Manager Clothing and Individual Equipment

Ft. Belvoir, VA

Natick, MA

Philadelphia, PA

Product Manager Sensors and Lasers

Ft. Belvoir, VA

Project Manager Soldier Weapons

Picatinny Arsenal, NJ

Product Manager Crew Served Weapons

Picatinny Arsenal, NJ

Product Manager Individual Weapons

Picatinny Arsenal, NJ

Rapid Fielding Initiative

Ft. Belvoir, VA

For more information about Program Executive Office Soldier, please contact:

the Public Affairs Liaison

703-704-2802/DSN 654-2802

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