



Program Executive Office Soldier

**PRECISION
is the Standard**

Every Ounce Matters, Every Bullet Counts

PM Soldier Lethality Panel

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NDS Alignment - Strategic Approach



Build a More Lethal Force

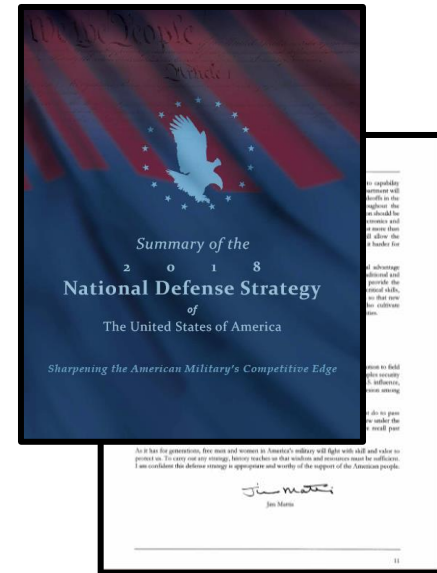
- *Prioritize preparedness for war*
- *Modernize key capabilities (...include capabilities to enhance close combat lethality in complex terrain)*
- *Cultivate workforce talent*

Strengthen Alliances and Attract New Partners

- *Deepen interoperability*

Reform the Department for Greater Performance and Affordability

- *Deliver performance at the speed of relevance*
- *Organize for innovation*
- *Drive budget discipline and affordability to achieve solvency*
- *Streamline rapid, iterative approaches from development to fielding*
- *Harness and protect the National Security Innovation Base*



“We must use creative approaches, make sustained investment, and be disciplined in execution...”



Army Modernization Strategy



End State

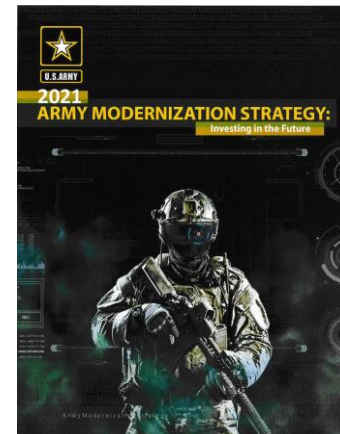
- *Modernized Army...MDO-capable by 2028...MDO-ready by 2035*

Means

- Realigned Army Modernized Enterprise
- Prioritized Resources
- Operational Feedback

Ways

- How We Fight [Concepts – Doctrine – Organizations – Training]
- **What We Fight With [Materiel – 6 Materiel Modernization Priorities]**
- Who We Are [Leader Development – Talent Management]



Enabled By

- Global Posture
- Facilities
- Policies

6 Modernization Priorities

- *Long Range Precision Fires*
- *Next Generation Combat Vehicles*
- *Future Vertical Lift*
- *Network*
- *Air and Missile Defense*
- ***Soldier Lethality***



PM SOLDIER LETHALITY

Mission

Develop and Deliver Innovative and Relevant Small Arms Lethality to our Warfighters

Vision

Be the premier provider of integrated small arms weapon systems for our Warfighters, and our Allies and Partners

Priorities

1. Take Care of Our **People**
2. **Deliver Lethality** at the Speed of Relevance
3. Foster a culture of **Innovation** for our processes and products

Principles

- Alignment
- Collaboration & Teamwork
- Transparency & Communication
- Empowerment

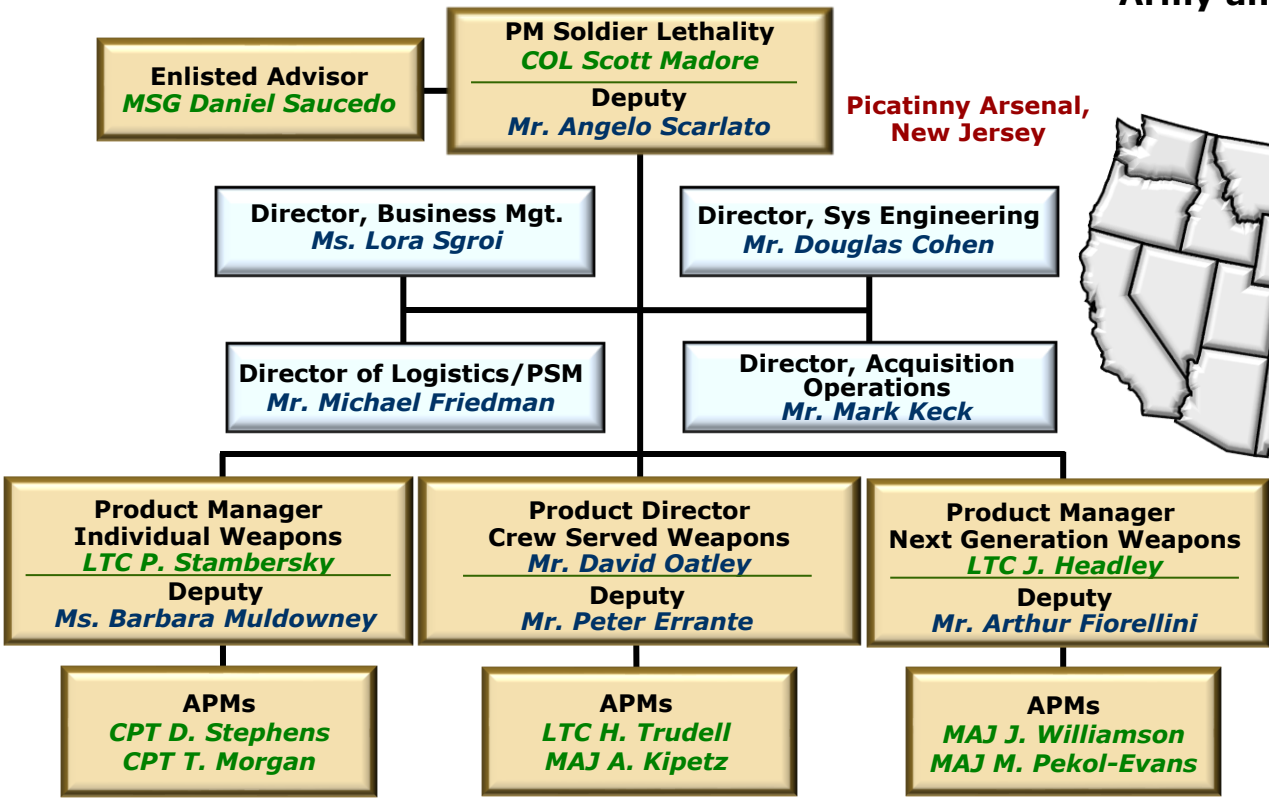
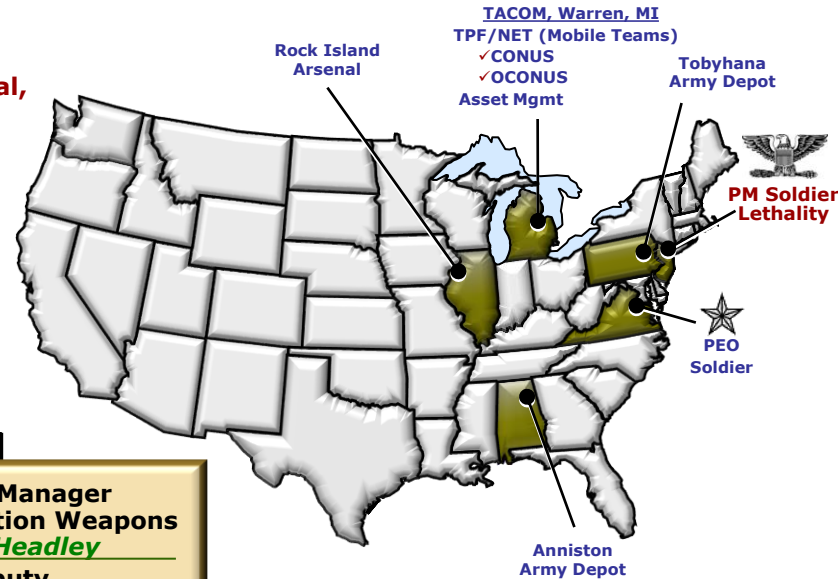
Every Soldier Armed – Every Formation Ready



Project Manager Soldier Lethality



Army and Other Services and Agencies



Kuwait



Iraq





PM Soldier Lethality Portfolio



Operations & Support



Production & Deployment



Development



Future

(Notional Images)

No Image Available
Next Gen MMG/HMG



Suppressors

No Image Available
Precision Grenadier System



Next Generation Squad Weapon-Automatic Rifle (NGSW-AR)



Next Generation Squad Weapon - Rifle (NGSW-R)



NGSW - Family of Ammunition



NGSW - Fire Control

Fire Control



Crew Weapons

Precision Weapons Fire Control

Provide premier Soldier weapons systems enabling battlefield dominance



Adaptive Squad Architecture

Squad as an Integrated Weapons Platform



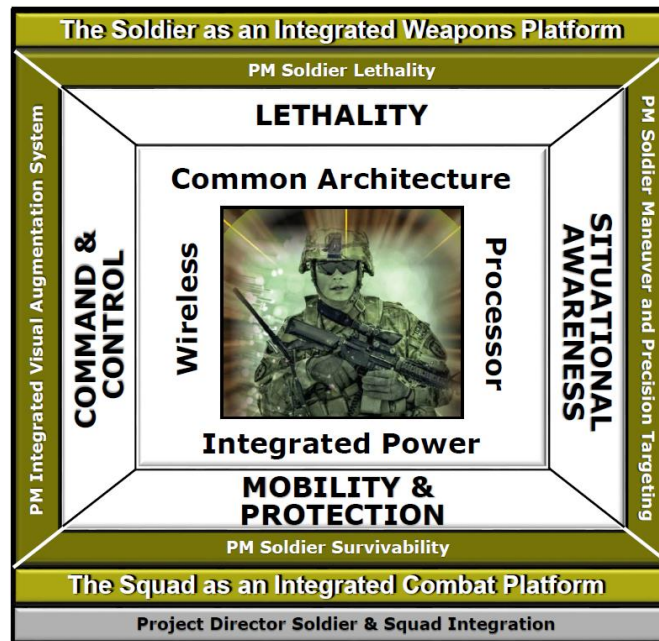
Need to go from this...



- 85+ items/components
- 122 lbs. of kit
- Redundant power sources
- Connected with cables

Adaptive Squad Architecture is government-owned, collaboratively developed architecture that documents all existing and future Soldier/Squad variations, including all interface controls between Soldier/Squad systems and external systems.

...to this!



ASA enables systematic modernization and quantitative assessment of new capabilities on the overall effectiveness of Soldiers/ Squads



Innovative Designs & Engineering Assessment (IDEA) Program



BLUF: Project Manager Soldier Lethality is conducting advanced market research by seeking information on new, innovative, enabling technologies that can generate new capabilities or provide enhanced capabilities to PM SL's portfolio.

The IDEA program is:

- An opportunity for Industry to submit innovative ideas and technologies for the USG to assess. Assessments may be conducted at vendor or government facilities.
- A one-on-one pitch to the USG showcasing their technology for a potential for non-competitive award under 10 U.S.C, § 2373 - Procurement for Experimental Purposes.
- Renewable on a quarterly basis.
- <https://sam.gov/opp/ced1e1c4bcbc4e329b781c66cbd74d3e/view>

The IDEA program is **NOT**:

- Intended to be a developmental program
- A USG in-house proposal
- A competitive contract

PM SL will leverage enabling IDEA technologies to quickly provide Soldier Capabilities and enhancements



PM SL Technology Interest Areas



Current Interest Areas

- **Methods to improve system reliability**
- **Improved lethality/overall system effectiveness which includes**
 - **Weapon performance**
 - **Wind sensing**
 - **Reductions in shooter aim error**

Recent Award Examples

PM SL IDEA

- **Advanced Barrels:** Bonnie Blue Ballistics, PCP Tactical
- **Suppressor Cleaners:** OTIS, TDA Research
- **Weapon Part Coatings:** Geissele Automatics, Mustang Vacuum Systems

Soldier Enhancement Program

- **Sniper Tripod**
- **Slings & Buttstocks for M4A1**
- **Barricade Support Device**

PM SL Leverages Multiple Authorities to Evaluate Technologies



FY21 PM Soldier FMS Highlights



Standard and nonstandard weapons, optics and accessories

FY21 Requirements Executed: 258 (Contract actions)

FY21 Weapons/Items Awarded (\$): \$112.4M

Current Open Requirements (Qty): 332

Current Open Requirements (\$): \$117.1M

Customers: 36 countries

- FY21 Top 3 Standard Weapons Sales (\$): M16A4, M2A1, M240B
- FY21 Top 3 Nonstandard Weapons Sales (\$): FMG762 Mexico S.D.N (medium machine gun), C1299 MEXICO S.D.N. KIT (chain gun), Commercial Colt M4 Rifle
- FY21 Top 3 Nonstandard Optics/Accessories Sales (\$): Trijicon Commercial M150 RCO, Leupold Spotting Scope, Eotech EXPS Holographic weapon sight
- Strong annual demand for foreign designed/non-standard weapons
 - Finding domestic sources can mitigate supply chain risks and ensure greater oversight on quality control
 - Currently evaluating domestically produced AK style weapons

PM Soldier Lethality FMS Requirements continue to grow in FY21



Key Points



- Diminishing Resources
 - Increase Buying Power
 - Efficiencies
- Modernization Priorities
 - Demonstrated Performance
 - Increasing Lethality
- FMS and Domestication of Non-Standard Weapons

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PdM Individual Weapons



PdM Individual Weapons



■ Accomplishments:

- ✓ M4A1 Modernization Program concluded
- ✓ First MK22 Precision Sniper Rifles were delivered
- ✓ Over 190,000 M17/M18 Modular Handgun Systems (MHS) delivered to the Army and over 49,000 handguns to Other Services and other Government Agencies
- ✓ Fielded over 1,200 M110E1 SDMRs

■ Upcoming Opportunities

- *Innovative Designs & Engineering Assessment (IDEA) Program*: Seeking information on new, innovative, enabling technologies
- *Soldier Enhancement Program*: Identify and procure off-the-shelf items that have the potential to substantially improve weapons and support equipment





Project Manager Soldier Lethality

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PdD Crew Served Weapons



Product Director Crew Served Weapons Portfolio



Medium and Heavy
Machineguns



MAAWS Recoilless
Rifle



Accessories / Optics



Non-Standard
Weapons



Medium Caliber
Weapons



Remote Weapons
Stations (RWS)

Technical Expertise

- Development of weapons
- Lethality
- Fire Control
- Software development
- Integration with RWS and vehicles
- Independent analysis

Efficient Management

- Existing contracts and funding
- Consolidate requirements for multiple customers
- Single procuring agent vs. multiple
- Economies of scale
- Life Cycle Weapon Management

CSW Services

- Program / IPT Management
- Platform Integration
- Logistics Management
- Configuration Management
- Testing / Qualification / Type Class
- Vendor validation

PdD CSW provides premier weapon system SOLUTIONS to meet customer needs



PdD CSW Range Day



■ Concept:

- CSW provides range for industry
- Attendees receive instant feedback
- Informs Government about technology
- Foster numerous discussions across the community

■ Held July 14-15, 2021

- 15 live fire lanes each day
- 28 static displays
- More than 200 attendees



Check beta.SAM.gov for FY22



PdD CSW Opportunities



- **NextGen Medium MG**
 - **FY22-FY24 (Evaluate Key Technologies & Subsystems)**
 - Recoil Management
 - Novel Materials (reduce weight / increase durability)
 - Suppressor Technologies
 - Fire Control
 - Mounting and Fire Control Interfaces
 - **FY25-FY26 (Characterize System Capabilities)**
 - **FY27+ (System Development)**
- **RFP for Remote Weapon Station production open until 22 Nov**



Project Manager Soldier Lethality

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Questions and Answers