



# STRATEGIC & OPERATIONAL ROCKETS & MISSILES

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**Project Manager**  
*Strategic and Operational*  
*Rockets and Missiles*  
**STORM**

**STORM PROJECT OFFICE**  
*Always On Target!*

**DISTRIBUTION A:** Approved for public release. Distribution is unlimited.



# Program Executive Office Missiles & Space



**MISSION:** Develop, field, and sustain Defense and Offensive Integrated Fires Capabilities in support of all phases of Joint and All-Domain operating environments by 2028 and continuing beyond



Mr. Jeff Stevens



COL Jason Tate



COL Phil Rottenborn



COL Andrew Lunoff



COL Guy Yelverton



COL Christopher Snipes

Weapons Fire Control and Communications (WC)

BLK 1 Integration AFATDS 7.6

Transducer Reactor Launcher (TEL)  
(2 rounds per TEL)

Counter-Unmanned Aircraft Systems (C-UAS)

Long Range Hypersonic Weapon (LRHW), Mid-Range Capability (MRC), Directed Energy (DE) Transition Teams OPCON with RCCTO

Integrated Fires

Theater Sens & Warn (S&W)

ONS JUON Directed Requirements

Lower Tier Air Missile Defense Sensor (LTAMDS)

Sentinel A4

Sentinel A3

AN/TPQ-50

AN/TPQ-53

AN/TPQ-36

AN/TPQ-37

Range Radar Replacement Program (RRRP)

Army Long-range Persistent Surveillance (ALPS)

IAMD Battle Command System (IBCS)

Integrated Fire Control Network (IFCN) Relay

Integrated Collaborative Environment (ICE)

RAM Warn

A/B Plug & Fight Interface Kits

Air and Missile Defense Planning & Control System (AMDPCS)

Joint Tactical Ground Station (JTGS)

Forward Area Air Defense Command & Control (FAAD C2)

Legacy PATRIOT Ground Support Equipment

IFPC Inc 2

Interim Cruise Missile Defense (Iron Dome Defense System-Army)

Avenger

Stinger

Maneuver-Short Range Air Defense (M-SHORAD) Inc-1

National/Norwegian Advanced Surface to Air Missile System (NASAMS)

PAC-3 Advanced Capability (PAC-3)

PAC-3 Missile Segment Enhancement (MSE)

PATRIOT PAC-2 GEM

C-RAM Intercept Land-based Phalanx Weapon System (LPWS)

Precision Strike Missile (PrSM)

Guided Multiple Launch Rocket System (GMLRS / U / AW)

Army Tactical Missile System (ATACMS)

High Mobility Artillery Rocket System (M142 HIMARS)

Multiple Launch Rocket System (M270A2 MLRS + Series)

JAVELIN

HELLFIRE

Joint Air-to-Ground Missile (JAGM)

Guided & Unguided

Launchers & Test Sets

Lethal Miniature Aerial Missile System (LMAMS)

Improved Target Acquisition System (ITAS)

Containerized Weapon System (CWS)

Tube-Launched, Optically-Tracked, Wireless-Guided (TOW)

Precision Fires Manager (PFM)

Improved Bradley Acquisition Subsystem (IBAS)

FY22-24  
Integrated Fires Capabilities

FY24  
Directed Energy (DE)  
M-SHORAD  
New Product

FY24  
Mid-Range Capability (MRC)  
New Product

FY23/24  
Long Range Hyper  
Sonic Weapons (LRHW)  
New Product

FY25  
High Power  
Microwaves (HPM)  
IFPC  
New Product

FY25  
High Energy Laser (HEL) IFPC  
New Product





# Strategic & Operational Rockets & Missiles Project Office



## ***VISION***

A team of trusted professionals delivering the world's best strategic and operational Fires capabilities

## ***MISSION***

Develop, test, acquire, field, and sustain the STORM family of launchers and munitions to fulfill the strategic and operational Artillery requirements of the U.S. Warfighter and Allies

## ***WHAT WE MANAGE***

- Two Field Artillery rocket / missile launcher platforms
- Three Multiple Launch Rocket System (MLRS) rocket & two missile programs
- Multiple International Cooperative Development programs

## ***WHAT WE DO***

- Centralized management for all U.S. Army MLRS launcher platforms and associated munitions suites
- Full lifecycle management and worldwide support of assigned systems
- Global support of fielded weapon systems
- Key link between the user and tech base





# Strategic Innovation for Soldier Readiness



## System

## Strategy

## End Goal

### Guided Multiple Launch Rocket System (GMLRS)



### Army Tactical Missile System (ATACMS)



### Precision Strike Missile (PrSM)



### M270A2 Multiple Launch Rocket System (MLRS)



### M142 High Mobility Artillery Rocket System (HIMARS)



### Operate Across Multiple Domains

- Achieve interoperability and integration across weapon systems to enable the Warfighter to achieve a cohesive picture of the battlefield
- ***Develop a Common Fire Control System, Extended Range GMLRS and Moving Target (Anti-Ship) capability for PrSM***

### Build Partnership Capacity

- Foster an environment that seeks innovative solutions across industry, academia and Warfighters
- ***Coordinate with Army, Joint, coalition/partner, industry and academic leaders to share ideas, seek solutions and tackle difficult problems while also expanding global partnerships with U.S. Allies***

### Support Full-Spectrum Operations

- Support the Fires Enterprise with an aligned organization that is agile, versatile, efficient and responsive
- ***Expand missile and launcher capabilities to meet strategic and operational requirements, develop PrSM, and perform M142 and M270A1 Overhaul / Upgrade and Expansion efforts***

### Enhance Efficiency in Development & Acquisition

- Develop common means to design, model, experiment, prototype and test possible solutions that explore unique resources and acquisition processes
- ***Facilitate industrial base for sustainment, maintain U.S. Government-developed launcher software, use flexible contract vehicles***

*Modernized*

*Joint Force*

*and*

*Overmatch*

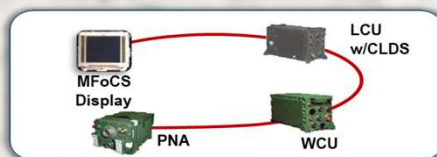
*Across All*

*Domains*





# STORM Launcher & Munitions Overview



**Common Fire Control System (CFC)**



**M142 High Mobility Artillery Rocket System (HIMARS)**



**M270A2 Multiple Launch Rocket System (MLRS)**



# Supporting Any Warfighter, Anywhere, *All the Time*



*Virtually executing our mission through close coordination with all teammates  
and utilizing technology to deliver to the Warfighter*

## Recent Accomplishments:

- Production underway for the MLRS M270A2 at Red River Army Depot and Camden, Arkansas
- Fielded the first 3x9 HIMARS Battalion
- Conducted 3 PrSM flight tests with mission success
- Delivered HIMARS launchers to Foreign Military Customers (FMS) with New Equipment Training (NET) completed
- Achieved virtual cross-continent fire control system software fielding with FMS customers
- Fielded and trained Soldiers on new versions of Universal Fire Control System (UFCS) software versions to units worldwide
- Awarded PrSM development and production contracts with Milestone B achieved
- Produced and delivered more than 500 HIMARS launchers and over 60,000 GMLRS rockets





# Precision Strike Missile (PrSM)



## Capabilities

- Next-generation, all weather, 24/7, surface-to-surface, responsive fires delivering long-range precision strike capability
- 400 km+ range
- Inertial Navigation System with Global Positioning System
- Enhanced Lethality Warhead designed for PrSM Target Set
- Insensitive Munition Propulsion System and Payload
- Compatible with High Mobility Artillery Rocket System and M270 Multiple Launch Rocket System launcher platforms
- Fires two missiles per pod
- Open system architecture to incorporate future growth
- Sustains and advances Army missile capability to 2050

## Current Targets

- Attacks critical and time sensitive area and point targets
- Survivable in a peer threat environments

## Milestones & Future Increments

- Successful flight tests in 2019, 2020 & 2021
- Awarded EMD and EOC contracts and achieved Acquisition Milestone B
- Increased Precision in GPS degraded environments
- Spectrum dominance in complex anti-access/area-denial
- Cross-domain engagement of moving land and maritime targets
- Increased survivability through greater maneuverability and end-game velocity with improved range and lethality



# Historical Competitive Opportunities



***FY22 Competitive Goal < 1% of Total Contractual Obligations  
Current executions reaching a 2% Competition Rate***

- **Other Transaction Authority (OTA)**
  - Execution through Defense Ordnance Technology Consortium (DOTC) and Aviation Missiles Technology Consortium (AMTC)
- **AMCOM Expedited Professional and Engineering Support Services (EXPRESS) Systems Engineering Technical Assistance (SETA) Support**
  - Current: Competitive/Small Business – Technical Domain, Logistics
  - Future: Competitive – Programmatic and Technical Domains
- **Performance Oriented Packaging (POP) Boxes**
  - Small Business: One-year contract in work with possible base year with options as a follow-on; Government Furnished Material (GFM) consumed under GMLRS Full Rate Production (FRP)
- **Inert Warheads**
  - Small Business: One-year contract in work with possible base year with options as a follow-on; GFM consumed under GMLRS FRP
- **Improved Armored Cab (IAC)**
  - Small Business: Effort for multiple years; Production of MLRS cabs
- **Industrial Engineering Services (IES)**
  - Future: Competitive engineering services; One Acquisition Solution for Integrated Services (OASIS)