

SINGLE MANAGER FOR CONVENTIONAL AMMUNITION (SMCA)

ADVANCED PLANNING BRIEFING TO INDUSTRY GUIDEBOOK



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JOINT PROGRAM EXECUTIVE OFFICE ARMAMENTS & AMMUNITION

SFAE-AA, Building 1
 Picatinny Arsenal, NJ 07806-5000
 (973) 724-7101 (<https://jpeoaa.army.mil/>)

The Joint Program Executive Office Armaments & Ammunition's (JPEO A&A) mission is to develop, procure and field lethal armaments and ammunition, providing Joint Warfighters and Allied Partners overmatch capabilities. JPEO A&A's vision of "Innovative and empowered Teams rapidly fielding dominating capabilities" ensures that the Munitions Enterprise meets its responsibilities now and in the future. JPEO A&A is designated as the Single Manager for Conventional Ammunition (SMCA) Executor. The SMCA objective is to achieve the highest possible degree of effectiveness and efficiency in the DoD operations required to acquire conventional ammunition and integrate logistic functions for U.S. Forces.


JPEO A&A has seven subordinate offices that accomplish the life cycle management of 600+ Army programs, providing battlespace dominance for the Warfighter with superior munitions while leveraging Government and industry partnerships.



Project Manager
Combat Ammunition Systems
Indirect Fire Munitions and Mortar Weapon Systems

- Long Range Precision Fires
- Cannon Delivered Area Effects Munitions
- Mortar Weapon Systems


COL Leon Rogers



Project Manager
Close Combat Systems
Terrain Shaping Obstacles, Close Combat Munitions, Protection and Support Systems

- Interim Top Attack Munition
- Individual Shoulder Launched Munition
- Countermeasure Flares/Decoys

COL Russell Hoff



Project Manager
Maneuver Ammunition Systems
Direct Fire Munitions

- Small, Medium and Large Caliber
- Special Ammo & Weapon Systems

COL Paul Alessio



Project Director
Joint Services

- Ammunition Industrial Base
- SMCA Integration
- Demilitarization
- Technology and Prototyping

COL Jason Bohannon



JPEO A&A
 BG John Reim



Acting DJPEO A&A
 Mr. Matthew Zimmerman

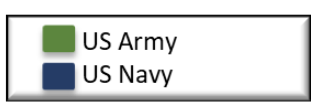



APEO International
 Mr. Thomas Coradeschi



Dir Talent Management
 Mr. Keith Gooding


Mission:
 Develop, procure and field lethal armaments and ammunition providing Joint Warfighters and Allied Partners overmatch capabilities.

Chief of Staff

- Human Resources
- Security / Foreign Disclosure
- Acquisition Processes
- Audit Readiness
- Business Management
- Information Technology


Mr. Ben Harris



Acting Program Manager
Towed Artillery Systems
Joint Artillery & Survey

- M777A2 Lightweight 155mm Howitzer
- M119A3 105mm Howitzer
- Survey Systems
- Next Generation Howitzer

Mr. Chris Hatch



Project Director
Joint Bombs

- Air Force and Navy Bombs
- Navy Deck Gun Ammo
- Energetics / Cartridge Actuated Device / Propellant Actuated Device

CAPT Brian Schorn USN



Director for Integration

- Science and Technology
- Systems Integration
- Architectures and Standards
- Ammunition Logistics R&D

Mr. Eugene Conner



PROJECT MANAGER COMBAT AMMUNITION SYSTEMS

Project Manager Combat Ammunition Systems (PM CAS) develops, produces, and equips the Joint Warfighters and Allied Partners with conventional artillery and mortar ammunition, precision ammunition, mortar weapons, and mortar fire control systems. PM CAS is a member of the Long Range Precision Fires Cross Functional Team, responsible for developing and delivering advanced munitions for Army Modernization. Under the Single Manager for Conventional Ammunition (SMCA) responsibilities, PM CAS also procures ammunition for US Marine Corps, US Air Force, US Special Operations Command, and our allies. The PM is the life cycle program manager of artillery and mortar products in the following categories:

- Precision Guided Munitions (including Excalibur, Precision Guidance Kit, Long Range Precision Guidance Kit, and Cannon Delivered Area Effects Munitions)
- Conventional Munitions for Mortars and Artillery (including High Explosive, Obscuration, Illumination, and Training)
- Artillery Propellants and Primers
- Fuzes and Fuze Setters
- 60mm, 81mm, 120mm Mortar Weapon Systems
- Mortar Fire Control Systems

Points of Contact:

Project Manager, Combat Ammunition Systems, (973) 724-2003

Product Manager, Precision Fires & Mortars, (973) 724-4209

Product Manager, Precision Attack Cannon Munitions, (973) 724-1839

Conventional Ammunition Division, (973) 724-7617

Business Management Division, (973) 724-7106

International, (973) 724-2965



PROJECT MANAGER CLOSE COMBAT SYSTEMS

Project Manager Close Combat Systems (PM CCS) provides dominant and innovative lethal and protective capabilities for the Joint Warfighter. Team CCS' contributions span multiple Services, and supports the spectrum of conflict from lethal to intermediate force. The capabilities are used in multi-domain operations to enable efficient and effective Joint Warfighter success. Mission areas include:

- Terrain Shaping Capabilities and Area Denial
- Aerial Counter-measures and Pyrotechnics
- Obstacle Breaching and Demolitions Capabilities
- Shoulder-Launched Munitions
- Explosive Hazard Detection and Neutralization Capabilities
- Hand and Vehicle Deployed Grenades
- Intermediate Force & Protection Systems

Points of Contact:

Project Manager, Close Combat Systems, (973) 724-7041

Product Manager, Terrain Shaping Obstacles, (973) 724-9115

Product Director, Combat Armaments and Protection Systems, (973) 724-6246

Product Director, Demolition & Countermeasures, (973) 724-5241



PROJECT MANAGER MANEUVER AMMUNITION SYSTEMS

Project Manager Maneuver Ammunition Systems (PM MAS) develops, equips and sustains integrated lethal direct fire ammunition effects to enable Joint and Allied Warfighters' overmatch in the battlefield.

PM MAS accomplishes these missions through strategic lifecycle program management of ammunition for weapon systems in the following categories:

- Small Caliber Ammunition
- Medium Caliber Ammunition
- Large Caliber Ammunition
- Special Ammunition and Weapon Systems (SAWS)

Points of Contact:

Project Manager, Maneuver Ammunition Systems, (973) 724-5307

Product Manager, Small Caliber Ammunition, (973) 724-1521

Product Manager, Medium Caliber Ammunition, (973) 724-1261

Product Manager, Large Caliber Ammunition, (973) 724-4935

Product Director, Special Ammunition and Weapon Systems, (973) 724-3197



PROGRAM MANAGER TOWED ARTILLERY SYSTEMS

The Program Manager for Towed Artillery Systems (PM TAS) is a joint Army/Marine Corps program office. PM TAS enables U.S. and Allied Warfighter dominance through the development, equipping and sustainment of world class Cannon Artillery and Survey Systems. Foreign Military Sales (FMS) are vital to the portfolio, supporting numerous allies. PM TAS executes its mission as the Program Manager and total life cycle system manager of artillery systems in the following categories:

- Towed Howitzers: M777A2, M119A2/A3
- Howitzer Digitization: M777 and M119 Digital Fire Control Systems (DFCS)
- Gun Laying/Surveying:
 - Location Azimuth and Determining System (LADS)
 - M111A1 Improved Position and Azimuth Determining Systems - GPS (IPADS-G)
 - M67 Ground Laying and Positioning Systems (GLPS)
- Non-Standard Howitzers: D-30
- Next Gen 155mm Howitzer
- Long Range Cannon (M777 Extended Range)

Points of Contact:

Program Manager, Towed Artillery Systems, (973) 724-2841

Deputy Program Manager, Towed Artillery Systems, (973) 724-5134

Project Lead, M777A2 Towed Howitzer, (973) 724-9455

Project Lead, M119A3 Towed Howitzer, (973) 724-6892

Project Lead, LADS, (973) 724-6607

Project Lead, D-30 Howitzer, (973) 229-0380

Project Lead, Next Gen Howitzer, (973) 724-5560

Project Lead, Long Range Cannon (973) 724-2415



PROJECT DIRECTOR JOINT SERVICES

Project Director Joint Services (PD JS) enables the Acquisition, Manufacturing and Demilitarization of Munitions for the Joint Services. Responsibilities within these categories include:

- Coordinating and integrating the Single Manager for Conventional Ammunition (SMCA) functions, processes and operations
- Performing Demilitarization of all conventional ammunition and missiles for the DoD
- Government Owned Contractor Operated (GOCO) Army Ammunition Plant Modernization and Acquisition Strategies
- Production Base Support Program: Provision of Industrial Facilities, Maintenance of Inactive Facilities, Layaway of Industrial Facilities and Armament Retooling and Manufacturing Support (ARMS) Program
- Executing Public Law 105 - 261, Section 806, Procurement of Conventional Ammunition
- Industrial Base Policy and Strategic Planning
- Managing munitions manufacturing technology and prototyping programs
- Joint Ordnance Commanders Group (JOCG) Executive Committee (EXCOM)
- Co-Chair of the Munitions working group for the North American Technology Industrial Base Organization (NATIBO)
- Government liaison to the National Defense Industrial Association (NDIA) Munitions Executive Summit and the Industrial Committee for Ammunition Producers (ICAP)

Section 806 Watch List:

<https://sam.gov/opp/15dadd13fc764a7a6283cf6424038166/view>

Solicitation number W15QKN-15-Z-2460

SMCA Industrial Base Strategic Plan (IBSP):

<https://sam.gov/opp/4cb79cdde58574059f781c6187f720a8/view>

Solicitation number W15QKN-16-X-2020

Points of Contact:

Project Director, Joint Services: (973) 724-8759

Deputy Project Director, Joint Services: (973) 724-6166



PROJECT DIRECTOR JOINT BOMBS

Established in October 2009, Project Director Joint Bombs (PD JB) executes Single Manager for Conventional Ammunition (SMCA) acquisition responsibility for product configurations managed by and/or primarily procured for other Military Services, including Air Force and Navy General Purpose, Penetrator, and Cast-Ductile Iron bombs and associated components, energetics, and 5" Navy Gun Ammunition product lines. PD JB also manages Army-funded procurement of Cartridge Actuated Devices and Propellant Actuated Devices.

The PD JB portfolio includes the following:

- Air Force and Navy General Purpose Bombs [Insensitive Munition (IM), Tritonal and inert loaded]
 - 250 lbs
 - 500 lbs
 - 1,000 lbs
 - 2,000 lbs
- 2,000 lbs Penetrator Bombs (IM, Tritonal and inert loaded)
- 500 lbs Cast-Ductile Iron Bombs
- 25 lbs Small Practice Bombs
- Bomb Fins
- Bomb Ancillary Items
 - Lugs
 - Pallets
 - Cables
 - Nose Plugs
 - Spotting Charges
- 5"/54 Navy Gun Tactical and Training Ammunition Programs
- Cartridge Actuated and Propellant Actuated Devices for Army aviation platforms

Points of Contact:

Project Director, Joint Bombs, (973) 724-6487

Deputy Project Director, Joint Bombs, (973) 724-6166



DIRECTORATE OF INTEGRATION

The Directorate of Integration (DoI) influences and guides action at the system of systems level to facilitate the rapid delivery of emergent and disruptive capability across the JPEO AA portfolio by synchronizing program efforts, facilitating the definition of architectures/standards and identifying and cultivating technology investments. The Directorate leads effort for the JPEO A&A on the following topics:

- Assured Position Navigation and Timing/Naval Information Warfare System (NAVWAR)
- Ammunition Logistics Research and Development (R&D)
- Assured Munitions/ Supply Chain management
- Digital Engineering and Modular Open Systems Architecture
- Technology transition to Programs of Record
- Manage externally funded R&D
- Environmental, Safety and Occupational Health
- JPEO A&A Chief Technology Officer
- JPEO A&A Chief Systems Engineer

Points of Contact:

Director of Integration, (973) 724-8822

Deputy Director of Integration, (973) 724-9795

Chief Technology Officer, (973) 724-9795

Chief Systems Engineer, (973) 724-9455

WEBSITES

Defense Acquisition Portal:

<https://www.dau.edu/>

U.S. Army Materiel Command:

<https://www.army.mil/AMC>

Army Futures Command:

<https://armyfuturescommand.com/>

Defense Pricing and Contracting:

<https://www.acq.osd.mil/asda/dpc/index.html>

Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology:

<https://www.army.mil/asaalt>

System for Award Management, Contract Opportunities:

[SAM.gov | Contract Opportunities](#)

Joint Program Executive Office Armaments & Ammunition:

<https://jpeoaa.army.mil/>

Combat Capabilities Development Command Armaments Center:

<https://ac.ccdc.army.mil/>

HELPFUL HINTS for DoD CONTRACTORS

- Monitor the SAM.gov website for Contract Opportunities for new business
- Review Market Surveys and respond to them
- Review Draft Requests for Proposals and provide comment(s)
- Participate in Industry Day(s)
- Attend Government sponsored conferences and training
- To increase possible competition, the quality of ammunition, and enable contractors to better prepare for potential future solicitations, JPEO Armaments & Ammunition has established a process regarding the release of Army Technical Data Packages (TDPs) to industry. See: [JPEO AA TDP Policy 2019 Website 6JUN2019.pdf \(army.mil\)](#)

ACRONYM SHEET

AF	-	Award Fee
C	-	Competitive
CPAF	-	Cost-Plus-Award-Fee
CPFF	-	Cost-Plus-Fixed-Fee
CPIF	-	Cost-Plus-Incentive-Fee
DOTC	-	Department of Defense Ordnance Technology Consortium
FFP	-	Firm-Fixed-Price
FMS	-	Foreign Military Sales
F&OC	-	Full and Open Competition
FP EPA	-	Fixed Price with Economic Price Adjustment
GOCO	-	Government Owned Contractor Operated
GOGO	-	Government Owned Government Operated
IDIQ	-	Indefinite Delivery/Indefinite Quantity
LC	-	Limited Competition
MOD	-	Modification
NTIB	-	National Technology & Industrial Base
OTA	-	Other Transaction Authority
POC	-	Point of Contact
REQ	-	Requirements
SBSA	-	Small Business Set Aside
SS	-	Sole Source
SSN	-	Standard Study Number
TBD	-	To Be Determined
T&M	-	Time and Materials
WOSB	-	Women-Owned Small Business

Appendix A

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Combat Ammunition Systems (PM CAS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN	Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
<ul style="list-style-type: none"> • Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); United States and Canada only (US & Canada); etc. • Contract Action: New Contract (New); Delivery/Task Order (Order); Modification (Mod); Option • Contract Type: Includes Indefinite Delivery/Indefinite Quantity (IDIQ), Other Transaction Authority (OTA); and Firm Fixed Price (FFP); Cost Plus Fixed Fee (CPFF); etc. • Standard Study Number (SSN): Includes either the corresponding number or Foreign Military Sales (FMS) 							
M1128 Metal Parts	\$347.0	E89500	US & Canada	New	IDIQ-FPEPA	SEP/22	N N
155MM XM1210 Load, Assemble & Pack (LAP)	\$99.9	E89500	SS	New	IDIQ-FPEPA	SEP/22	N N
Artillery Fiber Containers (PA55, PA71A)	\$12.1	E15101	SBSA	New	IDIQ-FPEPA	OCT/22	N N
Modular Artillery Charge System (MACS) LAP (M231A2/M232A2) (Ceiling Increase)	\$430.4	E27501	C	Mod	IDIQ-FFP	DEC/22	N N
MACS Combustible Case (M231A2/M232A2) (Ceiling Increase)	\$691.6	E27501	SS	Mod	IDIQ-FFP	DEC/22	N N
MACS M31A2 Propellant (Ceiling Increase)	\$972.5	E27501	SS	Mod	IDIQ-FFP	DEC/22	N N
MACS Containers (PA161/PA103A2) (Ceiling Increase)	\$238.7	E27501	SS	Mod	IDIQ-FFP	DEC/22	N N
MACS WC864 Igniter Powder (Ceiling Increase)	\$5.8	E27501	SS	Mod	IDIQ-FFP	DEC/22	N N
M739 Fuze (Ceiling Increase)	\$247.0	E15101	US & Canada	Mod	IDIQ-FFP	DEC/22	N N
60MM/81MM/120MM Propellant Charge	\$40.0	E89600/E76000/E25500	US & Canada	Order	IDIQ-FFP	JAN/23	N N
120MM Shell Body	\$32.8M	E25500	US & Canada	Order	IDIQ-FFP	JAN/23	N N

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Project Manager Combat Ammunition Systems (PM CAS)**

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Composition B	\$35.5	E89600/E76000/E25500	SS	Order	IDIQ-FFP	JAN/23	N N
Polymer/Plastic Bonded Explosive (PBXN)-12 Explosive	\$1.7	E76000/E25500	SS	Order	IDIQ-FFP	JAN/23	N N
Trinitrotoluene (TNT) Supplemental Charge	\$1.8	E89500	US & Canada	Order	IDIQ-FFP	JAN/23	N N
155MM Wood Pallets	\$0.3	E89500	SS	New	IDIQ-FFP	JAN/23	Y N
105MM Wood Box	\$4.4	E15102	SBSA	Order	IDIQ-FFP	JAN/23	N N
120MM Shell Bodies	32.8M	E25500	US & Canada	Option	IDIQ-FFP	JAN/23	N N
60MM & 81MM Ignition Cartridges (M752A1 & M299)	\$2.7	E89600/E76000	US & Canada	Order	IDIQ-FFP	JAN/23	N N
60MM & 81MM Ignition Cartridges (M702)	\$1.9	E89600	US & Canada	Order	IDIQ-FFP	JAN/23	N N
Mortar Metal Containers (PA154 & PA191)	\$1.2	E89600/E76000/E25500	SBSA	Order	IDIQ-FFP	JAN/23	N N
FIRECON-F (M150A1)	\$5.2	K99300/G02100/G02200	F&OC	Order	IDIQ-FFP	JAN/23	N N
M82 Primer	\$4.4	E15101	US & Canada	Order	IDIQ-FFP	FEB/23	N N
Meltable Fuze Plugs	\$5.5	E89500	SBSA	New	IDIQ-FFP	FEB/23	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Combat Ammunition Systems (PM CAS)**

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MACS LAP (M231A2/M232A2)	\$20.0	E27501	C	Order	IDIQ-FFP	MAR/23	N N
60MM/81MM Body Tube and Tail Cones	\$29.9	E76000	SBSA	New	IDIQ-FPEPA	MAR/23	N N
Insensitive Munitions Explosive (IMX)-104	\$39.9	E76000	SS	Order	IDIQ-FFP	MAR/23	N N
M734/783 Fuze Multi-Option Fuze, Mortar (MOFM)	\$111.6	E89600/E76000/E25500	C	Order	IDIQ-FFP	MAR/23	N N
155MM M116A1 Metal Parts	\$5.3	E89500	F&OC	Order	IDIQ-FFP	MAR/23	N N
Excalibur IB Projectile	\$220.0	E80100	SS	Option	FFP	APR/23	N N
60MM & 81MM Mortar Tail Fins (M24, M27,M28)	\$3.6	E89600/E76000	C	Order	IDIQ-FFP	APR/23	N N
M751/M775/M781 Practice Fuze	\$74.7	E89600/E76000	C	New	IDIQ-FPEPA	APR/23	N N
M772/M776 Fuze	\$92.7	E89500	SS	New	IDIQ-FFP	APR/23	N N
M28B2 Percussion Primer	\$5.6	E15101	US & Canada	Order	IDIQ-FFP	APR/23	N N
60MM/81MM Shell Bodies	\$212.0	E76000	US & Canada	New	IDIQ-FPEPA	APR/23	N N
Parachutes (60MM/81MM/120MM,155MM)	\$2.0	E89600/E76000/E25500/E89500	SBSA	Order	IDIQ-FFP	APR/23	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Combat Ammunition Systems (PM CAS)**

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Projectile Gun Unit 43/44/45 LAP	\$213.8	E15102	US & Canada	New	IDIQ-FPEPA	APR/23	N N
Excaliber Engineering Services	\$49.0	E80100	SS	New	IDIQ-FFP	APR/23	N N
M1128 LAP	\$412.0	E89500	SS	New	IDIQ-FPEPA	MAY/23	N N
XM1113 Projectile	\$99.0	E89500	SS	New	IDIQ-FPEPA	MAY/23	N N
60/81MM/120MM FRPC LAP	\$7.7	E89600/E76000/E25500	C	Order	IDIQ-FFP	MAY/23	N N
Precision Guidance Kit (PGK)	\$45.0	E27501	SS	Option	FFP	MAY/23	N N
60MM/81MM/120MM Propellant Charge	\$499.0	E89600/E76000/E25500	US & Canada	New	IDIQ-FPEPA	JUN/23	N N
FIRECON-PRO	\$99.0	K99300/G02100/G02200	F&OC	New	IDIQ-FFP	JUN/23	N N
XM655E1, XM659, XM660 Charges	\$99.5	E89500	SS	New	IDIQ-FFP	JUN/23	N N
60MM & 81MM Ignition Cartridges (M752A1, M702 & M299)	\$219.7	E89600/E76000/E25500	US & Canada	New	IDIQ-FPEPA	JUL/23	N N
Mortar Metal Containers (PA154 & PA191)	\$30.6	E89600/E76000/E25500	SBSA	New	IDIQ-FFP	SEP/23	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Close Combat Systems (PM CCS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN	Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
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M6/M7 Electric Blasting Caps	\$4.20	M6 E52500 / M7 E52600	C	New Action - Base IDIQ	FFP	3QFY23	N N
Explosive Breacher	\$1.00	TBD	Competitive-Consortium	New Action	TBD	3QFY23	N Y
Handheld Simulators (White Para, Green-Red-White Star Cluster)	\$7.70	E46800 - White Para, E47000 - Green Star Cluster, E46500 White Star Cluster, E46400 Red Sta Cluster	C	New Action IDIQ	FFP	3QFY23	N N
Marine MK124 Signal, Smoke & Illumination	\$0.13	E45800	C	New Action IDIQ	FFP	3QFY23	N N
M34/M35 Battle Effect Simulators (BES)	\$4.20	M34 E99119 and M35 E88125	SBSA	New Action IDIQ	FFP	4QFY23	N N
XM919, Individual Assault Munition	\$39.00	E36412	C	New Action IDIQ	FFP	4QFY23	Y Y
Explosive Breacher	\$1.00	TBD	Competitive-Consortium	New Action	TBD	1QFY24	N Y
Bangalore	\$2.0	E50703	TBD	New Action - Base IDIQ	FFP	1QFY24	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Maneuver Ammunition Systems (PM MAS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN	Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
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Depleted Uranium	\$6.9	N/A	SS	New Action	FFP	NOV/22	Y N
M830A1	\$24.5	N/A	US & Canada	New Action	FFP	JAN/23	N N
120mm Target Practice, Cone Stabilized, Discarding Sabot With Tracer (TPCSDS-T) M865A1	\$127.1	E73400	US & Canada	Option	FFP	FEB/23	N N
120mm Target Practice Multi-Purpose With Tracer (TPMP-T) M1002	\$119.7	E73201	US & Canada	Option	FFP	FEB/23	N N
M724A2	\$6.5	N/A	US & Canada	Delivery Order	FFP	APR/23	N N
50mm Armor Piercing (AP)	\$0.4	N/A	F&OC	Mod	CPFF	FEB/23	N N
50mm High Explosive Airburst (HEAB)	\$5.0	N/A	F&OC	Mod	CPFF	FEB/23	N N
50mm Target Practice (TP)	\$11.4	N/A	F&OC	Mod	CPFF	AUG/23	N N
Cartridge 40mm High Explosive Dual Purpose (HEDP) M430A1 F/MK19 MG	\$56.4	E11800	SS	Option	FFP	MAR/23	N N
40mm Mixed Belt	\$8.0	E74315	SS	Option	FFP	MAR/23	N N
Cartridge, 40mm HEDP, M433E1 F/M203	\$43.2	E12601	SS	Option	FFP	MAY/23	N N
40mm M781	\$1.8	E13800	SS	Option	FFP	MAY/23	N N
30mm Mult-Functioning Munition (MFM) 1173	\$4.5	N/A	SS	Delivery Order	FFP	NOV/22	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Maneuver Ammunition Systems (PM MAS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN		Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
<ul style="list-style-type: none"> • Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); United States and Canada only (US & Canada); etc. • Contract Action: New Contract (New); Delivery/Task Order (Order); Modification (Mod); Option • Contract Type: Includes Indefinite Delivery/Indefinite Quantity (IDIQ), Other Transaction Authority (OTA); <u>and</u> Firm Fixed Price (FFP); Cost Plus Fixed Fee (CPFF); etc. • Standard Study Number (SSN): Includes either the corresponding number or Foreign Military Sales (FMS) 								
30mm MFM 1182	\$20.4	N/A	SS	Delivery Order	FFP	NOV/22	N	N
Cartridge 30mm TP M788	\$14.0	E10100	LC	Delivery Order	FFP	DEC/22	N	N
Cartridge 30mm TP M788	\$27.6	E10100	LC	Delivery Order	FFP	DEC/22	N	N
30mm Projectile Gun Unit (PGU)-15 A/B Linked	\$12.2	N/A	LC	Delivery Order	FFP	MAR/23	N	N
Cartridge, 30mm High Explosive Dual Purpose Cartridge-Self-Destruct (HEDP-SD), XM1198	\$25.3	E09900	LC	Delivery Order	FFP	MAR/23	N	N
Cartridge 30mm PGU-15 A/B	\$26.6	F52500	LC	Delivery Order	FFP	APR/23	N	N
Cartridge, 30mm, XM950 TP	\$3.0	E10100	LC	Delivery Order	FFP	MAY/23	N	N
Cartridge, 30mm PGU-13D / B Linked	\$15.6	N/A	LC	Delivery Order	FFP	MAY/23	N	N
30mm Tubes and Straps	\$1.1	N/A	Ability One	Delivery Order	FFP	AUG/23	N	N
XM1211	\$80.6	N/A	LC	Delivery Order	FFP	FEB/23	N	N
25mm M793 (NAVSEA)	\$5.0	E08203	LC	Delivery Order	FFP	MAR/23	N	N
25mm Target Practice Discarding Sabot with Trace (TPDS-T) M910	\$6.8	E08204	LC	Delivery Order	FFP	MAR/23	N	N
25mm PGU-23/U	\$8.5	N/A	LC	Delivery Order	FFP	MAR/23	N	N
PA125	\$0.8	N/A	SS	New Action	FFP	JUN/23	N	N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Maneuver Ammunition Systems (PM MAS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN		Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
<ul style="list-style-type: none"> • Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); United States and Canada only (US & Canada); etc. • Contract Action: New Contract (New); Delivery/Task Order (Order); Modification (Mod); Option • Contract Type: Includes Indefinite Delivery/Indefinite Quantity (IDIQ), Other Transaction Authority (OTA); <u>and</u> Firm Fixed Price (FFP); Cost Plus Fixed Fee (CPFF); etc. • Standard Study Number (SSN): Includes either the corresponding number or Foreign Military Sales (FMS) 								
M548 Containers	\$0.4	N/A	SBSA	Delivery Order	FFP	AUG/23	N	N
Cartridge 20mm Multi-Purpose Tracer-Self Destruct (MPT-SD) M940 W/MK7 Link	\$9.4	E08909	LC	Delivery Order	FFP	JAN/23	N	N
20mm M55A2 TP	\$8.2	N/A	LC	Delivery Order	FFP	FEB/23	N	N
Cartridge 20mm Armor-Piercing Discarding Sabot (APDS) MK244-0 Linked	\$17.5	N/A	LC	Delivery Order	FFP	MAR/23	N	N
20mm PGU-27A/B TP BP	\$8.1	N/A	LC	Delivery Order	FFP	APR/23	N	N
20mm PGU 28A/B Semi-Armor Piercing High Explosive Incendiary (SAPHEI) BP	\$9.0	N/A	LC	Delivery Order	FFP	MAY/23	N	N
20mm PGU 30A/B	\$2.5	N/A	LC	Delivery Order	FFP	JUN/23	N	N
9mm Close Combat Mission Capability Kit (CCMCK) M1041 (Blue & Red)	\$0.8	E96105 & E96107	F&OC	Delivery Order	FFP	MAY/23	N	N
Modular Handgun/Pistol	\$7.4	E05218	F&OC	Delivery Order	FFP	MAY/23	N	N
300 Winchester Magnum	\$0.5	E03701	F&OC	Delivery Order	FFP	MAR/23	N	N
.300 Norma Magnum	\$6.1	E03715	F&OC	Delivery Order	FFP	MAY/23	N	N
.338 Norma Magnum	\$4.2	E03710	F&OC	Delivery Order	FFP	MAY/23	N	N
Lake City Army Ammunition Plant (LCAAP)	\$121.3	Various	US	Delivery Order	FFP	MAR/23	N	N
Small Caliber Second Source	\$21.4	Various	US & Canada	Option	FFP	MAR/23	N	N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Maneuver Ammunition Systems (PM MAS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN		Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
<ul style="list-style-type: none"> • Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); United States and Canada only (US & Canada); etc. • Contract Action: New Contract (New); Delivery/Task Order (Order); Modification (Mod); Option • Contract Type: Includes Indefinite Delivery/Indefinite Quantity (IDIQ), Other Transaction Authority (OTA); <u>and</u> Firm Fixed Price (FFP); Cost Plus Fixed Fee (CPFF); etc. • Standard Study Number (SSN): Includes either the corresponding number or Foreign Military Sales (FMS) 								
5.56mm M1037 Short-Range Training Ammunition (SRTA) Clipped	\$3.8	E96125	SS	Delivery Order	FFP	MAY/23	N	N
5.56mm CCMCK, M1042 (Blue & Red) AND M1071 (Blue & Red)	\$21.9	E96110, E96111, E96120, E96121	SS	Delivery Order	FFP	JUN/23	N	N
AA40, 5.56mm Frangible	\$20.6	E04610	F&OC	Delivery Order	FFP	JUL/23	N	N
7.62mm Lightweight Case, Metallic Effort	\$4.8	N/A	F&OC	New Action	FFP	FEB/22	N	N
M1158	\$34.0	F57510	US & Canada	Delivery Order	FFP	JUN/23	N	N
7.62mm SRTA M793/M974	\$1.9	E88600	SS	Delivery Order	FFP	MAY/23	N	N
7.62mm SRTA Ball M973 Linked	\$0.0	E75800	SS	Delivery Order	FFP	MAY/23	N	N
7.62mm One-Way Luminescence (OWL)	\$0.2	N/A	US & Canada	Delivery Order	FFP	JUN/23	N	N
Soft Point (SP) Projectile	\$15.0	N/A	US & Canada	Delivery Order	FFP	DEC/22	N	N
6.8mm Next Generation Squad Weapon (NGSW) General Purpose (GP) Case & Load, Assemble and Pack (LAP)	\$10.1	E06002	F&OC	Delivery Order	FFP	MAR/23	N	N
NGSW GP-T Cartridge	\$18.5	E06002	US & Canada	Delivery Order	FFP	MAR/23	N	N
6.8mm NGSW Blank	\$5.1	E60011	F&OC	Delivery Order	FFP	MAR/23	N	N
6.8MM NGSW RRA	\$33.2	E06014	F&OC	Delivery Order	FFP	APR/23	N	N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Manager Maneuver Ammunition Systems (PM MAS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN		Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
<ul style="list-style-type: none"> • Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); United States and Canada only (US & Canada); etc. • Contract Action: New Contract (New); Delivery/Task Order (Order); Modification (Mod); Option • Contract Type: Includes Indefinite Delivery/Indefinite Quantity (IDIQ), Other Transaction Authority (OTA); <u>and</u> Firm Fixed Price (FFP); Cost Plus Fixed Fee (CPFF); etc. • Standard Study Number (SSN): Includes either the corresponding number or Foreign Military Sales (FMS) 								
6.8MM NGSW GP Projectiles	\$4.6	E06002	US & Canada	Delivery Order	FFP	MAY/23	N	N
5.56MM One-Way Luminescence (OWL) Engineering & Manufacturing Development (EMD) Phase II	\$2.6	N/A	US & Canada	Delivery Order	FFP	FEB/23	N	N
12 Gauge Shotshells	\$0.6	E00300	F&OC	Delivery Order	FFP	JUL/23	N	N
12 Gauge Door Breaching	\$0.1	E92100	F&OC	Delivery Order	FFP	AUG/23	N	N
Special Ammunition & Weapons Systems (SAWS) NJ	\$0.1	N/A	F&OC	New Action	FFP	JUL/23	N	N
PGU 46	\$12.2	N/A	F&OC	Delivery Order	FFP	MAR/23	N	N
Large Caliber Support	\$0.7	N/A	SBSA	New Action	FFP	JAN/23	N	N
PM MAS Support	\$4.4	N/A	F&OC	Delivery Order	FFP	APR/23	N	N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Director Joint Services (PD JS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN	Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
<ul style="list-style-type: none"> • Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); United States and Canada only (US & Canada); etc. • Contract Action: New Contract (New); Delivery/Task Order (Order); Modification (Mod); Option • Contract Type: Includes Indefinite Delivery/Indefinite Quantity (IDIQ), Other Transaction Authority (OTA); and Firm Fixed Price (FFP); Cost Plus Fixed Fee (CPFF); etc. • Standard Study Number (SSN): Includes either the corresponding number or Foreign Military Sales (FMS) 							
Holston Army Ammunition Plant (HSAAP) - Ammonium Nitrate Solution (ANSol) Tank Farms, (B-5, B-11), Construct	\$120.0	EP1000	TBD	TBD	FFP	TBD	N N
HSAAP - Upgrade Laundry Facility Upgrades and Construction	\$8.0	EP1000	TBD	TBD	FFP	TBD	N N
HSAAP - Barricade Repairs, Replacements, and Infrastructure Upgrades	\$30.0	EP1000	TBD	TBD	FFP	TBD	N N
HSAAP - Road Improvements and Railroad Crossing	\$8.0	EP1000	LC	TBD	FFP	TBD	N N
Iowa Army Ammunition Plant (IAAAP) - New Tool & Die Facility	\$20.0	EP1000	LC	Task Order	FFP	TBD	N N
IAAAP - Roadway Improvements	\$15.0	EP1000	SS	Task Order	FFP	TBD	N N
IAAAP - Energetics Facility	\$75.0	EP1000	LC	Task Order	FFP	TBD	N N
Lake City Army Ammunition Plant (LCAAP) - Small Caliber Modernization, Next Generation Squad Weapon Ammunition Facility	\$313.6	EP1000	SS	Task Order	FFP	APR/23	N N
LCAAP - Mix Houses and Neutralization Design	\$3.3	EP1000	LC	Task Order	FFP	TBD	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Director Joint Services (PD JS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN	Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
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LCAAP - Cyber Critical Infrastructure Risk Management (CIRM) Resiliency 889 Cybersecurity Compliance	\$6.0	EP1000	SS	Task Order	FFP	NOV/22	N N
Radford Army Ammunition Plant (RFAAP) - Alternate Nitrate Ester Facility (NG-3)	\$28.2	EP1000	SS	Task Order	FFP	APR/23	N N
RFAAP - Solventless/Rocket Area, Prod Operations	\$15.0	EP1000	SS	Task Order	CPFF	DEC/20	N N
RFAAP - Solvent Propellant Facility Sustainment, Ph 3	\$8.3	EP1000	SS	Task Order	FFP	SEP/21	N N
RFAAP - Nitric Acid Concentrator (NAC)/Sulphuric Acid Concentrator (SAC) Process Improvements	\$23.5	EP1000	SS	Task Order	FFP	DEC/22	N N
RFAAP - Steam Distribution System Modernization Phase 1	\$37.5	EP1000	LC	TBD	FFP	TBD	N N
RFAAP - Propellant Manufacturing Upgrades (Prev-EvenSpeed Roll Mill Upgrade)	\$28.0	EP1000	SS	Task Order	FFP	FEB/23	N N
Scranton Army Ammunition Plant (SCAAP) - Bliss III Press & Furnace Upgrades	\$2.8	EP1000	SS	Task Order	FFP	JUN/23	N N
SCAAP - Saw Cell Automation & Modernization	\$4.0	EP1000	SS	Task Order	FFP	TBD	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Director Joint Services (PD JS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN	Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
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SCAAP - Infrastructure & Equipment Efforts	\$2.0	EP1000	SS	Task Order	FFP	SEP/22	N N
SCAAP - Steam & Water Piping Mod Upgrades	\$0.5	EP1000	SS	Task Order	FFP	FEB/23	N N
SCAAP - A2 Forge Shop Shot Blast Replacement	\$1.0	EP1000	SS	Task Order	FFP	SEP/22	N N
SCAAP - Forge Shop and Heat Treat Shot Blast Area Upgrade)	\$3.0	EP1000	SS	Task Order	FFP	SEP/22	N N
SCAAP - 155mm Capacity Expansion (Universal Artillery Line)	\$115.0	EP1000	TBD	TBD	TBD	TBD	N N
SCAAP - M795 Long-Term Production Capacity Increase	\$243.0	EP1000	TBD	TBD	TBD	TBD	N N
SCAAP - M795 Long-Term Production Capacity Increase	\$201.5	EP1000	TBD	TBD	TBD	TBD	N N
SCAAP - M107 Production Line Relocation	\$127.5	EP1000	TBD	TBD	TBD	TBD	N N
SCAAP - Heat Treat Filter Tower Replacement	\$1.5	EP1000	SS	Task Order	FFP	NOV/22	N N
SCAAP - Process Line Air Compressor Replacement	\$1.0	EP1000	SS	Task Order	FFP	JUL/22	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Director Joint Services (PD JS)**

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SCAAP - Cyber Critical Infrastructure Risk Management (CIRM) Resiliency (Cyber Security)	\$1.5	EP1000	SS	Task Order	FFP	JUN/22	N N
SCAAP - Production Shop Concrete Roof Repair	\$1.3	EP1000	SS	Task Order	FFP	OCT/22	N N
LCAAP - Explosive Waste Incinerator - Design	\$8.3	EP1000	TBD	TBD	FFP	TBD	N N
LCAAP - Automatic Transfer Switches - Design	\$0.5	EP1000	TBD	TBD	FFP	TBD	N N
LCAAP - Consolidated Chemlab Design	\$3.3	EP1000	TBD	TBD	FFP	TBD	N N
M18 Smoke Hand Grenade Demilitarization	\$1.2	EP1700	TBD	TBD	CPFF	TBD	N N
Munition Demilitarization Support	\$3.2	EP1700	SBSA-8a SS	TBD	FFP	MAR/23	N N
Demilitarization - Aviation & Missile Command (AMCOM) Engineering and Technical Support	\$0.3	EP1700	SS	Modification	T&M	N/A	N N
Demilitarization - APE ANMC Shredder Focus	\$1.1	EA0575	TBD	TBD	TBD	N/A	N N
Demilitarization Automated Scrap Inspection	\$0.6	0605805A/F24	TBD	TBD	TBD	AUG/22	N N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Director Joint Services (PD JS)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN		Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
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Letterkenny Munitions Center (LEMC) 450KeV Cabinet X-Ray System	\$1.4	EA0575	TBD	TBD	FFP	JUL/22	N	N
Demilitarization of Flechette Containing Rounds	\$0.6	0605805A/F24	TBD	TBD	FFP	FEB/23	N	N

**JPEO Armaments & Ammunition
Business Opportunities for FY23
Project Director Joint Bombs (PD JB)**

Program/ Item/ Description	FY23 Dollars (\$M) (FY23 Pres Budget Request) / SSN		Planned Strategy	Contract Action	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N
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MK 3 and MK 12 Pallets	\$0.1	N/A	SBSA	New	FFP	MAR/23	N	N

Appendix B



COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER

OVERVIEW

The DEVCOM Armaments Center is the “Center of Mass” for Armament Systems and Munitions for Joint Services with over 3,400 civilian engineers, scientists and support personnel. Our organization is one of the specialized research, development, and engineering centers within the U.S. Army Combat Capabilities Development Command or DEVCOM. The DEVCOM Armaments Center’s workforce provides technology for over 90 percent of the Army’s lethality with a focus on advanced weapons, ammunition, and fire control systems which are used every day by U.S. warfighters.

OBJECTIVES

A strategic objective of the DEVCOM Armaments Center is to establish and leverage partnerships with industry, academic institutions, and other government organizations that support our mission. We have over 115 specialized laboratory and testing facilities

which are available for industry use by setting up agreements for testing and engineering services. Further, the Armaments Center works to transfer the results of Federal R&D investment to the industrial base as we have more than 120 active Cooperative Research and Development Agreements (CRADAs), most with defense suppliers. We have found CRADAs and other alternatives to traditional Federal Acquisition Regulation contracts to be valuable tools for accelerating the transition of technology innovation at all stages of the Defense Acquisition Life Cycle. We also excel in integrating weapon systems and software engineering using mature and efficient processes and procedures which span the full lifecycle activities. The Armament Center’s Software Engineering Center has maintained CMMI Level 5 certification continuously for over a decade providing optimized software architecture for armaments systems.



COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER

FOCUS AREAS

- Lethality
- Integrated, Multi-Mission Armament Systems
- Smart Sights
- Pyrotechnics
- Battlefield Digitization & Software
- Precision Armaments
- Environmental Technologies
- Networked Lethality
- Defense Against Unmanned Systems
- Counter Terrorism Technologies
- Homeland Defense Technologies
- Advanced Materials / Nanotechnologies

SCIENCE & TECHNOLOGY PRIORITIES

- Long Range Precision Fires:
 - Extended Range Cannon Artillery
 - Extended Range Artillery Munitions Suites
 - Affordable Precision Technologies
 - Precision at Range Technologies
- Next Generation Combat Vehicle:
 - Advance Lethality and Accuracy System for Medium Caliber
 - Extended Line of Sight
- Soldier Lethality:
 - Next Generation Squad Weapon Technologies and Ammunition
 - Next Generation Carbine Technologies
 - Fire Control Technologies

- Novel Power & Energy Systems for Weapons & Munitions
- Armaments Manufacturing Science Technologies
- Reliability & Predictability Technology
- Modeling & Simulation of Armament Systems
- Integrated Armaments Systems
- Advanced Energetics & Warheads
- Autonomous Systems
- Armament Software & Sustainment Engineering Technologies
- Ammo Logistics System Technologies
- Manned/Unmanned Remote Weapons Systems

- Future Vertical Lift:
 - Advanced Rotorcraft Armaments Protection System
- Air and Missile Defense:
 - Accurate Rapid Controlled Hyper Engagement Round



FOR FURTHER INFORMATION:

U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT
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