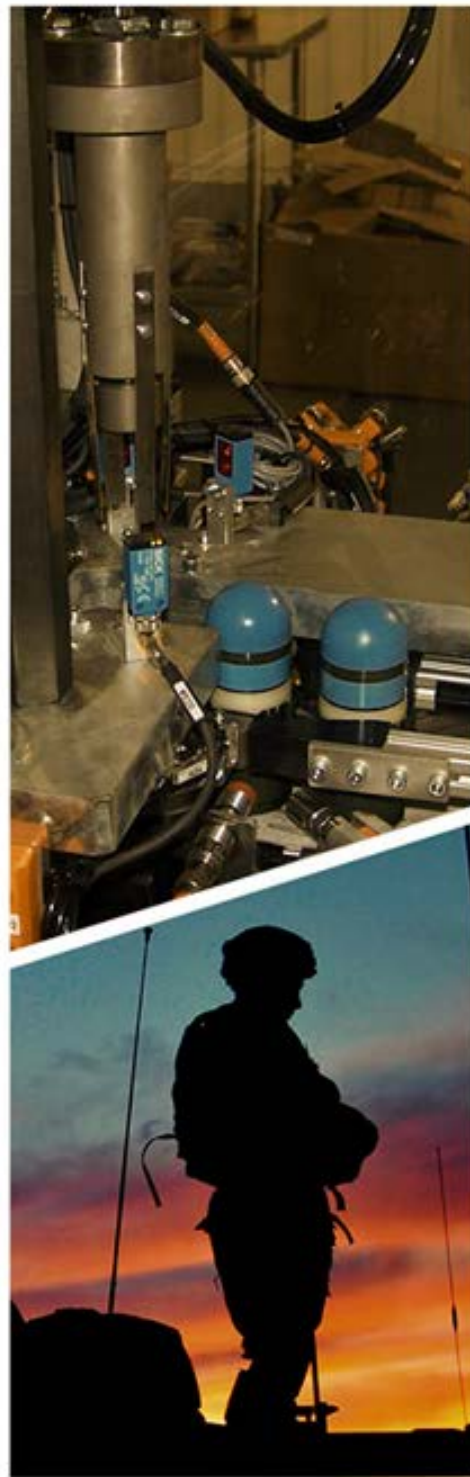


# SINGLE MANAGER FOR CONVENTIONAL AMMUNITION (SMCA)

## ADVANCED PLANNING BRIEFING TO INDUSTRY GUIDEBOOK



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**PEO Ammunition**

# TABLE OF CONTENTS

- Page 2 . . . . . Program Executive Office Ammunition (PEO Ammo)
- Page 3 . . . . . Project Manager Combat Ammunition Systems (PM CAS)
- Page 4 . . . . . Project Manager Close Combat Systems (PM CCS)
- Page 5 . . . . . Project Manager Maneuver Ammunition Systems (PM MAS)
- Page 6 . . . . . Project Manager Towed Artillery Systems (PM TAS)
- Page 7 . . . . . Project Director Joint Services (PD JS)
- Page 8 . . . . . Project Director Joint Products (PD JP)
- Page 9 . . . . . Office of the Executive Director For Conventional Ammunition (O/EDCA)
- Page 10 . . . . . Armament Research, Development & Engineering Center (ARDEC)
- Page 11 . . . . . Joint Munitions Command (JMC)
- Page 12 . . . . . Joint Munitions & Lethality Life Cycle Management Command (JM&L LCMC)
- Page 13 . . . . . Websites and Helpful Hints for DoD Contractors
- Page 14 . . . . . Acronym Sheet
- Page 15 - 25 . . Appendix A ~ PEO Ammunition Business Opportunities FY17 – FY18
- Page 26 - 28 . . Appendix B ~ ARDEC Technology Needs





## PROGRAM EXECUTIVE OFFICE AMMUNITION

SFAE-AMO, Building 1  
 Picatinny Arsenal, NJ 07806-5000  
 (973) 724-7101 (<http://www.pica.army.mil/PEO Ammo>)

As one of the three (3) pillars of the Ammunition Enterprise that is partnered with Joint Munitions Command (JMC) and Armament Research, Development & Engineering Center (ARDEC), Program Executive Office Ammunition's (PEO Ammo) mission is to develop, equip, and sustain lethal armament and protective systems enabling joint warfighter dominance. PEO Ammo's vision of innovative and empowered teams efficiently and rapidly delivering dominating capabilities ensures that the Munitions Enterprise meets its responsibilities now and in the future. PEO Ammo 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.

PEO Ammo has six (6) 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. Co-located within PEO Ammo is the Project Director Joint Products and the Office of the Executive Director for Conventional Ammunition (O/EDCA).

<p><b>Project Manager</b>  <b>Combat Ammunition Systems</b>  <b>Indirect Fire Munitions and Mortar Weapon Systems</b></p> <ul style="list-style-type: none"> <li>Excalibur</li> <li>Guided Precision Munitions &amp; Mortar Systems</li> </ul>	<p>PEO Ammunition        Mr. James Shields</p>	<p>DPEO Ammunition        BG Alfred F. Abramson III</p>	<p><b>Chief of Staff</b></p> <ul style="list-style-type: none"> <li>Systems Acquisition</li> <li>Business Management</li> <li>Human Resources</li> <li>International</li> <li>Chief Information Officer</li> <li>Science &amp; Technology</li> </ul>
<p><b>Project Manager</b>  <b>Close Combat Systems</b>  <b>Networked Munitions, Force Application Systems, Explosive Hazard, and Countermine</b></p> <ul style="list-style-type: none"> <li>Counter Explosive Hazard</li> <li>Area Denial</li> <li>Combat Munitions</li> <li>Support Systems</li> </ul>	<p>APEO International        Doreen Chaplin</p>	<p>Command Chief        Warrant Officer        CW5 Bill Lewis</p>	<p><b>Project Manager</b>  <b>Towed Artillery Systems</b>  <b>Support Fires for Maneuver forces</b></p> <ul style="list-style-type: none"> <li>M777A2 Lightweight 155mm Howitzer</li> <li>M119A3 105mm Howitzer Digitization</li> <li>Target Acquisition</li> </ul>
<p><b>Project Manager</b>  <b>Maneuver Ammunition Systems</b>  <b>Direct Fire Munitions</b></p> <ul style="list-style-type: none"> <li>Small, Medium and Large Caliber</li> <li>Non-Standard Ammunition</li> </ul>	<p>Develop, equip, and sustain lethal armament and protective systems enabling joint warfighter dominance</p>		<p><b>Project Director</b>  <b>Joint Products</b></p> <ul style="list-style-type: none"> <li>Air Force and Navy Bombs</li> <li>Navy Deck Gun Ammo</li> <li>Energetics</li> <li>Cartridge Actuated Device / Propellant Actuated Device</li> </ul>
<p><b>Project Director</b>  <b>Joint Services</b></p> <ul style="list-style-type: none"> <li>SMCA Integration</li> <li>Demilitarization</li> <li>Ammunition Industrial Base</li> <li>Ammunition Logistics R&amp;D</li> <li>Technology and Prototyping</li> </ul>			<ul style="list-style-type: none"> <li>US ARMY</li> <li>US AIR FORCE</li> <li>US NAVY</li> <li>USMC</li> </ul>



## **PROJECT MANAGER COMBAT AMMUNITION SYSTEMS**

Project Manager Combat Ammunition Systems (PM CAS) develops, produces, and equips Soldiers and Marines with conventional artillery and mortar ammunition, precision ammunition, mortar weapons, and mortar fire control systems. 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
- Conventional Munitions
- Mortar Weapon Systems
- Mortar Fire Control Systems
- Fuzes and Fuze Setters
- Artillery Propellant & Primers

### Points of Contact:

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

Product Manager, Guided Precision Munitions & Mortar Systems, (973) 724-4209

Excalibur, (973) 724-9066

Conventional Ammunition Division, (973) 724-7617



## **PROJECT MANAGER CLOSE COMBAT SYSTEMS**

Project Manager Close Combat Systems (PM CCS) manages networked and analog technologies, energetics, and munitions that improve anti-area access/area denial and increase lethality, survivability, and overmatch of both the mounted and dismounted joint force in the close fight. Team CCS' contributions support the spectrum of lethal, nonlethal, robotics, counter-measures, and counter explosives of unified land operations. PM CCS also provides cutting-edge technology to defeat ever-evolving and adapting threats, as well as legacy systems being used in innovative ways on today's battlefield. Mission areas include:

- Networked Munitions that provide Area Denial and Terrain Shaping Capabilities
- Counter Explosive Hazard Detection Capabilities
- Shoulder-Launched Munitions
- Hand and Vehicle Deployed Grenades
- Demolitions and Obstacle Breaching Capabilities
- Non-Lethal Ammunition & Systems
- Pyrotechnics and Aerial Counter-measures

### Points of Contact:

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

Product Manager, Gator Landmine Replacement, (973) 724-9115

Product Director, Combat Armaments and Protection Systems, (973) 724-6778

Product Leader, Support Systems, (973)724-5329



## PROJECT MANAGER MANEUVER AMMUNITION SYSTEMS

Project Manager Maneuver Ammunition Systems (PM MAS) provides direct fire combat and training ammunition capabilities to US Warfighters (Army, Navy, Air Force & Marines) and allied nations in order to support dismounted soldiers, combat vehicles, helicopters, naval vessels, and high performance aircraft. PM MAS also provides direct and indirect fire ammunition and rockets to allied nations that utilize previous Soviet Bloc weapon systems. 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
- Non-Standard Ammunition

### Points of Contact:

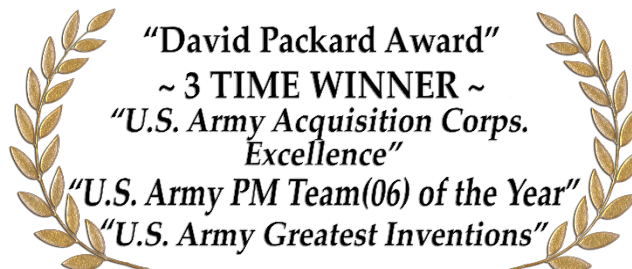
Project Manager, Maneuver Ammunition Systems, (973) 724-5307

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

Product Director, Medium Caliber Ammunition, (973) 724-2090

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

Product Director, Non-Standard Ammunition, (973) 724-2591





## **PROJECT MANAGER TOWED ARTILLERY SYSTEMS**

Project Manager Towed Artillery Systems (PM TAS) provides direct, reinforcing, and general support towed artillery fires to maneuver forces. PM TAS provides direct support artillery for the Stryker and Infantry Brigade Combat Teams for the Army. They also manage all towed howitzers in the Army's inventory, the M777A2 howitzer for the Marine Corps, and two survey systems. Additionally, PM TAS provides direct support to the NATO Training Mission – Afghanistan. PM TAS executes its mission through life cycle program management of artillery systems in the following categories:

- Towed Howitzers
- Howitzer Digitization
- Gun Laying/Surveying

### Points of Contact:

Project Manager, Towed Artillery Systems, (973) 724-4427

Product Director, M777A2 Towed Howitzer, (973) 724-2841

Product Director, M119A3 Towed Howitzer, (973) 724-5560

Product Director, IPADS-G, (973) 724-1651

Product Director, D-30 Howitzer, (973) 724-3876



## PROJECT DIRECTOR JOINT SERVICES

Project Director Joint Services (PD JS) executes life cycle management responsibilities for the Single Manager for Conventional Ammunition (SMCA) in support of the Industrial Base, Demilitarization, Manufacturing Technology & Prototyping, and Ammunition Logistics R&D. Responsibilities within these categories include:

- Coordinating and integrating SMCA functions, processes and operations
- Performing Demilitarization of all conventional ammunition and missiles for the DoD
- Performing Industrial Base and Supply Chain management:
  - GOCO Army Ammunition Plant Modernization and Sustainment 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
- Managing US Army ammunition logistics R&D efforts and synchronizing across the Services
- Serving as the Chair of the Joint Ordnance Commanders Group (JOCG) Executive Committee
- Acting as the 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://www.fbo.gov/index?s=opportunity&mode=form&id=15dadd13fc764a7a6283cf6424038166&tab=core&tabmode=list&>

Solicitation number W15QKN-15-Z-2460

SMCA Industrial Base Strategic Plan (IBSP):

<https://www.fbo.gov/notices/c139cbb0ae29295eaf60cd8617e5acf7>

Solicitation number W15QKN-16-XX-2016

Points of Contact:

Project Director, Joint Services, (973) 724-5257

Product Manager, Demilitarization, (973) 724-2648





## PROJECT DIRECTOR JOINT PRODUCTS

Established in October 2009, Project Director Joint Products (PD JP) executes Single Manager for Conventional Ammunition 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 JP also manages Army-funded procurement of Cartridge Actuated Devices and Propellant Actuated Devices.

The PD JP portfolio includes the following:

- Air Force and Navy General Purpose Bombs
  - 500 lbs
  - 1,000 lbs
  - 2,000 lbs
- 2,000 lbs Penetrator Bombs
- Small Practice Bombs
- Bomb Proximity Sensors
- Bomb Fuzes and Fins
- Cast-Ductile Iron Bombs
  - 500 lbs
  - 1,000 lbs
  - 2,000 lbs
- Navy Gun Tactical and Training Ammunition Programs
  - 5"/54
  - Multi Option Fuze Navy
- Energetics
- Cartridge Actuated and Propellant Actuated Devices

Points of Contact:

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

Deputy Project Director, Joint Products, (973) 724-6003



## **OFFICE OF THE EXECUTIVE DIRECTOR FOR CONVENTIONAL AMMUNITION**

The Office of the Executive Director for Conventional Ammunition (O/EDCA) is responsible for assessing the overall SMCA mission and providing oversight to SMCA mission execution as it relates to joint Service activities. The Deputy Commanding General of Army Materiel Command is currently the Executive Director for Conventional Ammunition (EDCA). The office that supports this mission is designated the Office of the Executive Director of Conventional Ammunition or O/EDCA. This office is supported by a joint-staffed office of Senior Service Military and civilian ammunition management specialists located at Picatinny Arsenal, NJ, and Rock Island Arsenal, IL.

The O/EDCA assists the EDCA in the execution of the assigned mission to include: monitoring and assessing the execution of the SMCA mission functions, reporting findings and providing recommendations to the appropriate stakeholders. The O/EDCA assists ASA(ALT) with resolving Section 806 disagreements between the SMCA Executor and the Military Departments or defense agencies. This office also serves as an Ombudsman in resolving SMCA and Military Service issues and concerns that cannot be resolved by the SMCA Executor. O/EDCA coordinates with the Military Services and Military Service Secretariats, as well as OSD staff members in matters relating to the SMCA mission. The O/EDCA furnishes an annual fiscal year report to the Military Services, U. S. Special Operations Command and OSD staff on execution of the SMCA mission with emphasis on measurable accomplishments, problem areas, and required actions.

### What we do:

- Monitor and Assess SMCA Mission Execution
- Perform activities of a joint nature as required to assist the SMCA Executor, Field Operating Activity, and customers
- With PD Joint Services, we provide a focal point on critical Joint Service SMCA issues
- Maintain a link with OSD staff, Service headquarters, and Service program managers
- Work to resolve issues at the lowest level

### Bottom Line:

We contribute value through process enhancements, collaboration, and joint teamwork!

### Point of Contact:

Deputy Executive Director for Conventional Ammunition, (973) 724-3350



## **ARMAMENT RESEARCH, DEVELOPMENT & ENGINEERING CENTER (ARDEC)**

RDAR-D, Building 93  
Picatinny Arsenal, NJ 07806-5000  
(973) 724-6000  
[www.ardec.army.mil](http://www.ardec.army.mil)

The Armament Research, Development & Engineering Center (ARDEC) is an internationally acknowledged hub for the advancement of armament technology and engineering innovation. ARDEC is one of the specialized research, development, and engineering centers within the U.S. Army Research, Development and Engineering Command (RDECOM). ARDEC's workforce provides lifecycle engineering support for nearly 90 percent of the Army's lethality used every day by the U.S. warfighter.

A strategic objective of ARDEC is to establish and leverage partnerships with industry, academic institutions, and other government organizations that support our mission for the warfighter, as well as national goals of transferring the results of Federal R&D investment to the industrial base. ARDEC has over 130 active Cooperative Research and Development Agreements (CRADAs), most with defense suppliers. We have found CRADAs and other non-contractual mechanisms to be valuable tools for accelerating the transition of technology innovation at all stages of the Defense Acquisition Life Cycle. ARDEC has over 80 laboratory and testing facilities available for industry use, and has recently been delegated the authority to sell engineering services.

To learn more visit us at [www.pica.army.mil/TechTran](http://www.pica.army.mil/TechTran)  
Or e-mail us at [usarmy.pica.rdecom-ardec.mbx.domestic-tech-transfer@mail.mil](mailto:usarmy.pica.rdecom-ardec.mbx.domestic-tech-transfer@mail.mil).

Points of Contact:  
Director of Technology, (973) 724-3457  
Deputy Director of Technology, (973) 724-7108



## JOINT MUNITIONS COMMAND

Joint Munitions Command is the latest in a series of commands since World War II that has managed the nation's ammunition plants. Since 1973, those commands have been headquartered on Rock Island Arsenal. JMC is responsible for munitions production (ammunition plants) and storage facilities (depots) in 14 states. JMC provides bombs and bullets to America's fighting forces across all Services, including all types of conventional ammunition from bunker-buster bombs to rifle rounds. JMC manages plants that produce billions of rounds of ammunition annually and the installations that store, distribute, and demilitarize the nation's ammunition for training and combat. JMC is responsible for \$58 billion worth of conventional munitions and missiles.

*JMC's installations are:*

- Anniston Munitions Center, Anniston, Alabama
- Blue Grass Army Depot, Richmond, Kentucky
- Crane Army Ammunition Activity, Crane, Indiana
- Hawthorne Army Depot, Hawthorne, Nevada
- Holston Army Ammunition Plant, Kingsport, Tennessee
- Iowa Army Ammunition Plant, Middletown, Iowa
- Lake City Army Ammunition Plant, Independence, Missouri
- Letterkenny Munitions Center, Chambersburg, Pennsylvania
- McAlester Army Ammunition Plant, McAlester, Oklahoma
- Milan Army Ammunition Plant, Milan, Tennessee
- Pine Bluff Arsenal, Pine Bluff, Arkansas
- Quad Cities Cartridge Case Facility, Rock Island, Illinois
- Radford Army Ammunition Plant, Radford, Virginia
- Scranton Army Ammunition Plant, Scranton, Pennsylvania
- Tooele Army Depot, Tooele, Utah

JMC also maintains Tactical Control (TACON) of the Chemical Materials Activity (CMA). CMA's headquarters is based at Aberdeen Proving Ground in Maryland. Its two remaining chemical weapons stockpile storage sites are located at Blue Grass Chemical Activity, Kentucky, and Pueblo Chemical Depot, Colorado. CMA's mission is to manage the nation's stockpile of chemical weapons; to assess and destroy chemical warfare materiel; to comply with the Chemical Weapons Convention; and, to protect people and the environment.





## **JOINT MUNITIONS & LETHALITY LIFE CYCLE MANAGEMENT COMMAND**

The Joint Munitions & Lethality Life Cycle Management Command (JM&L LCMC) integrates people, organizations, infrastructure, and the processes necessary for effective life cycle management of conventional ammunition, mortar systems, towed artillery systems, IED Defeat/Protect Force systems, and associated items for the Joint Warfighter and other customers, including strategic foreign customers. The JM&L LCMC brings together three component organizations of the Ammunition Enterprise: the Research, Development & Engineering Command's (RDECOM) Armament Research, Development and Engineering Center (ARDEC), the Army's principal for research, technology, development, and sustainment of current and future armament and munitions systems; the Program Executive Office Ammunition (PEO Ammo), responsible for developing, procuring and life cycle management of conventional and leap-ahead munitions; and the Joint Munitions Command (JMC), the logistics and sustainment arm of the LCMC, which manages installations and facilities (ammo plants, depots, munitions centers, and an ammunition activity) that produce, store, and deliver conventional ammunition.

The JM&L LCMC is an integration of Technology, Acquisition & Sustainment via the principles and agreements among ARDEC, PEO Ammo and JMC. The JM&L LCMC is an agile organization capable of quickly responding to warfighter and readiness requirements. The JM&L LCMC provides technology, acquisition, and logistics solutions, maximizing resources and the organic and commercial industrial base for our commodity areas in support of Joint Warfighters.

# WEBSITES

Defense Acquisition Portal:

<https://dap.dau.mil/Pages/Default.aspx>

U.S. Army Materiel Command:

[www.army.mil/AMC](http://www.army.mil/AMC)

Defense Procurement and Acquisition Policy:

<http://www.acq.osd.mil/dpap/>

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

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

Federal Business Opportunities:

<https://www.fbo.gov/>

U.S. Army Joint Munitions & Lethality Life Cycle Management Command:

<http://www.jmlcmc.army.mil/>

Program Executive Office for Ammunition:

<http://www.pica.army.mil/PEOAmmo>

Joint Munitions Command:

[www.jmc.army.mil](http://www.jmc.army.mil)

Armament Research, Development & Engineering Center:

<http://www.ardec.army.mil/>

## HELPFUL HINTS for DoD CONTRACTORS

- Monitor Federal Business 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, PEO Ammunition has established a process regarding the release of Army Technical Data Packages (TDPs) to industry. See: [https://www.fbo.gov/index?s=opportunity&mode=form&id=5e32415172cac694615e427e5dbe224d&tab=core&\\_cview=0](https://www.fbo.gov/index?s=opportunity&mode=form&id=5e32415172cac694615e427e5dbe224d&tab=core&_cview=0)

## ACRONYM SHEET

C	-	Competitive
CPIFF	-	Cost-Plus-Fixed-Fee
CPIF	-	Cost-Plus-Incentive-Fee
DO	-	Delivery Order
FFP	-	Firm-Fixed-Price
GOCO	-	Government Owned Contractor Operated
GOGO	-	Government Owned Government Operated
IDIQ	-	Indefinite Delivery/Indefinite Quantity
MOD	-	Modification
NTIB	-	National Technology & Industrial Base
O	-	Option
POC	-	Point of Contact
REQ	-	Requirements
SBSA	-	Small Business Set Aside
SS	-	Sole Source
SSN	-	Standard Study Number
TBD	-	To Be Determined

# Appendix A



**PEO Ammunition  
Business Opportunities for FY17 and FY18  
Project Manager Combat Ammunition Systems (PM CAS)**

Program/ Item/ Description	FY17							FY18						
	FY17 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N		Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
<ul style="list-style-type: none"> <li>Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Fee (CPFF); Other Transaction Authority (OTA); etc.</li> <li>SSN: Foreign Military Sales (FMS)</li> </ul>														
Mortar Weapon Systems Production - 60mm/81mm/120mm/Quick Stow /Trailers	\$ 5.6	FMS	DO	IDIQ/FFP	Mar/FY17	N	N	\$ 3.1	G02202	DO	IDIQ/FFP	2Q/FY18	N	N
Mortar Weapon Components/Basic Issue Items	\$ 2.6	FMS	DO	IDIQ/FFP	Mar/FY17	N	N	\$ 1.9	G02100 G02202	DO	IDIQ/FFP	2Q/FY18	N	N
Mortar Fire Control Systems - M95/M96/M150/M151	\$ 11.5	K99300 FMS	DO	IDIQ/FFP, Cost	Mar/FY17	N	N	\$ 21.2	K99300	DO	IDIQ/FFP, Cost	2Q/FY18	N	N
Mortar Munitions (60mm/81mm/120mm) - M734A1/M783 Fuzes	Awarded							\$ 30.5	E89600 E76000 E25500	O	FFP	2/3Q / FY18	N	N
Mortar & Artillery Munitions (60mm/81mm/155mm) - Parachutes	Awarded							\$ 0.7	E89600 E76000 E89500	DO	IDIQ/FFP	2/3Q / FY18	N	N
Artillery Munitions (75mm/105mm) - M67 Propellant Charge LAP	\$ 0.9	AFSOC E15101	DO	IDIQ/FFP	May/FY17	N	N	\$ 0.9	AFSOC E15101	DO	IDIQ/FFP	2/3Q / FY18	N	N
Mortar Munitions (60mm/81mm) - HE Load Assemble, Pack	\$ 4.8	E89600 E76000	US/Canada	IDIQ/FFP	May/FY17	N	N	\$ 5.1	E89600 E76000	US/Canada	IDIQ/FFP	2/3Q / FY18	N	N
Artillery Munitions (155mm Illum) - Canister Base & Metal Parts Assy	\$ 0.6	E89500	SBSA	FFP	Closed Jun/FY16	N	N	\$ 0.7	E89500	SBSA	FFP	2/3Q / FY18	N	N
Fuzes, Propellants & Primer (105mm) - M28B2 Primer Percussion	Awarded							\$ 1.8	E15101	US/Canada	IDIQ/FFP	2/3Q / FY18	N	N
Fiber Containers - Artillery PA 71/A, PA 55	Awarded							\$ 1.2	AFSOC	O	IDIQ/FFP	2/3Q / FY18	N	N
Fiber Containers - Mortar 162, 167 and 175	\$ 0.1	E89600 E76000 E255500	O	IDIQ/FFP	May/FY17	N	N	\$ 0.9	E89600 E76000 E255500	SBSA	IDIQ/FFP	Apr/FY17	N	N
Artillery Munitions (105mm) - PGU Load Assemble, Pack	\$ 9.0	AFSOC	US/Canada	IDIQ/FFP	Jan/FY17	N	N	\$ 9.3	AFSOC	US/Canada	IDIQ/FFP	2/3Q / FY18	N	N

**PEO Ammunition**  
**Business Opportunities for FY17 and FY18**  
**Project Manager Combat Ammunition Systems (PM CAS)**

Program/ Item/ Description	FY17							FY18						
	FY17 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N		Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
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Artillery Munitions (75/105mm) - Black Powder, Class I	\$ 1.0	E15101	SS	FFP	Closed Feb/FY17	N	N	\$ -	E15101	O	FFP	2/3Q / FY18	N	N
Mortar Munitions (60mm/81mm) Shell Body	Awarded							\$ 11.7	E89600 E76000	SBSA	IDIQ/FFP	Jan/FY17	N	N
Mortar Munitions (60mm/81mm) - Body Tubes & Tail Cones	\$ 0.6	E89600	SBSA	IDIQ/FFP	Apr/FY17	N	N	\$ 1.4	E89600 E76000	SBSA	IDIQ/FFP	2/3Q / FY18	N	N
Mortar Munitions (120mm) High Explosive Guided Mortar (HEGM)	Phase I is FY17 DOTC Effort							\$ 7.2	654802	C	FFP/CPFF	1Q/FY18	Y	Y
Fuzes, Propellants & Primer - M739A1	\$ 31.4	AFSOC PAN MC E62208	US/Canada	IDIQ/FFP	Apr/FY17	N	N	\$ 21.5	AFSOC PAN MC E62208	US/Canada	IDIQ/FFP	2/3Q / FY18	N	N
Fuzes, Propellant & Primer - FMU (153/160B)	No FY17 Requirement							\$ 10.0	AFSOC	US/Canada	IDIQ/FFP	3Q/FY17	N	N
Mortar Munitions (60mm/81mm) - M772/M776 MTSQ Fuze	\$ 9.0	E89600 Buyback E76000	SS	FFP	Closed Jan/FY17			\$ 5.9	E89600 E76000	O	FFP	2/3Q / FY18	N	N
Mortar Munitions (60mm) - M1061 Cartridge	\$ 12.6	E89600	US/Canada	FFP	Apr/FY17	N	N	\$ 9.4	E89600	O	FFP	2/3Q / FY18	N	N
Fuzes, Propellant & Primer - M82 Primer	No FY17 Requirement							\$ 3.7	E63000	O	IDIQ/FFP	3Q/FY17	N	N
Mortar Munitions (60mm/81mm/120mm) Propelling Charges - (M218/M219/M220/M234A1/M235/M236)	Awarded							\$ 31.7	E89600 E76000 E89500	US/Canada	IDIQ/FFP	3Q/FY17	N	N
Mortar Munitions (60mm/81mm/120mm) - Mortar Fuzes M751/M775/M781	\$ 6.6	E89600 E76000 E25500	C	IDIQ/FFP	Apr/FY17	N	N	\$ 6.0	E89600 E76000 E25500	DO	IDIQ/FFP	2/3Q / FY18	N	N
Mortar Munitions (60mm/81mm/120mm) - Metal Containers PA 191/ PA 154/ PA 157	\$ 0.2	E89600 E76000 E25500	DO	IDIQ/FFP	May/FY17	N	N	\$ 0.6	E89600 E76000 E25500	DO	IDIQ/FFP	2/3Q / FY18	N	N

**PEO Ammunition  
Business Opportunities for FY17 and FY18  
Project Manager Combat Ammunition Systems (PM CAS)**

Program/ Item/ Description	FY17							FY18						
	FY17 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N	Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N		
<ul style="list-style-type: none"> <li>• Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>• Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Fee (CPFF); Other Transaction Authority (OTA); etc.</li> <li>• SSN: Foreign Military Sales (FMS)</li> </ul>														
Mortar Munitions (60mm/81mm) - FRPC Load Assemble, Pack	\$ 4.7	E89600 E76000	DO	IDIQ/FFP	May/FY17	N	N	\$ 4.8	E89600 E76000	US/Canada	IDIQ/FFP	3Q/FY17	N	N
Mortar Munitions (60mm/81mm) - IMX 104 Fill	\$ 6.7	E89600 E76000	DO	IDIQ/FFP	May/FY17	N	N	\$ 7.8	E89600 E76000	DO	IDIQ/FFP	2/3Q / FY18	N	N
Mortar Munitions (60mm/81mm) - Bulk Explosive PBXW-14	\$ 0.5	E89600 E76000	DO	IDIQ/FFP	May/FY17	N	N	\$ 0.5	E89600 E76000	DO	IDIQ/FFP	2/3Q / FY18	N	N
Mortar Munitions (60mm) - M702 Ignition Cartridges	Awarded							\$ 3.5	E89600	US/Canada	IDIQ/FFP	2Q/FY17	N	N
Mortar Munitions (60mm) - M27 Fins	\$ 2.0	E89600	DO	IDIQ/FFP	May/FY17	N	N	\$ 1.5	E89600	US/Canada	IDIQ/FFP	Mar/FY17	N	N
Mortar Munitions (81mm) - M299 Ignition Cartridges	Awarded							\$ 1.8	E76000	US/Canada	IDIQ/FFP	2Q/FY17	N	N
Mortar Munitions (81mm) - M24 Fins	\$ 1.7	E76000	DO	IDIQ/FFP	May/FY17	N	N	\$ 1.6	E76000	US/Canada	IDIQ/FFP	Mar/FY17	N	N
Mortar Munitions (81mm) - M28 Fins	\$ 0.2	E76000	DO	IDIQ/FFP	May/FY17	N	N	\$ 0.2	E76000	US/Canada	IDIQ/FFP	Mar/FY17	N	N
Artillery Munitions (155mm) - IMX 104 Supplementary Charge	\$ 2.5	E89500 PAN MC	DO	FFP	May/FY17	N	N	\$ 1.3	E89500 PAN MC	DO	FFP	2/3Q / FY18	N	N
Mortar Munitions (81mm) - GAMS	Awarded							\$ 0.2	E76000	O	FFP	2/3Q / FY18	N	N
Mortar Munitions (120mm) - M1020 Ignition Cartridge	Awarded							\$ 3.2	E25500	US/Canada	IDIQ/FFP	Apr/FY17	N	N
Mortar Munitions (120mm) - Shell Bodies	\$ 24.6	E25500	O	FFP	May/FY17	N	N	\$ 19.8	E25500	O	FFP	2/3Q / FY18	N	N

**PEO Ammunition**  
**Business Opportunities for FY17 and FY18**  
**Project Manager Combat Ammunition Systems (PM CAS)**

Program/ Item/ Description	FY17							FY18						
	FY17 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N		Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
<ul style="list-style-type: none"> <li>Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Fee (CPFF); Other Transaction Authority (OTA); etc.</li> <li>SSN: Foreign Military Sales (FMS)</li> </ul>														
Mortar Munitions (120mm) - M31 Fin	\$ 1.6	Buyback	DO	IDIQ/FFP	Aug/FY17	N	N	\$ 5.9	E25500	DO	IDIQ/FFP	2/3Q/ FY18	N	N
Mortar Munitions (120mm) - HE/FRPC Load Assemble, Pack	Awarded							\$ 12.2	E25500	O	FFP	2/3Q/ FY18	N	N
Mortar Munitions (120mm) & Artillery Munitions (105mm PGU) - Comp B	\$ 2.0	E25500 AFSOC	DO	IDIQ/FFP	May/FY17	N	N	\$ 2.0	E25500 AFSOC	DO	IDIQ/FFP	2/3Q/ FY18	N	N
Artillery Munitions (105mm) - M1 Boxes	\$ 5.4	E15101	DO	IDIQ/FFP	May/FY17	N	N	\$ 5.4	E15101	DO	IDIQ/FFP	2/3Q/ FY18	N	N
Artillery Munitions (105mm) - M1 MP/M1 SP Propellant Powder	\$ 5.4	E15101 AFSOC	DO	IDIQ/FFP	Mar/FY17	N	N	\$ 8.5	E15101 AFSOC	DO	IDIQ/FFP	2/3Q/ FY18	N	N
Artillery Munitions (75/155mm) - Load Assemble, Pack	\$ 36.7	E15101 E89500 PAN MC	DO	IDIQ/FFP	May/FY17	N	N	\$ 16.1	E15101 E89500 PAN MC	DO	IDIQ/FFP	2/3Q/ FY18	N	N
Artillery Munitions (155mm Extended Range) - XM982 Excalibur + Engineering Services	Awarded							TBD	E80100	SS	FFP/CPFF	3QFY17	N	N
Artillery Munitions (155mm) - Supplementary Charge PBXN9/TNT	Awarded							\$ 3.4	E89500	DO	IDIQ/FFP	2/3Q/ FY18	N	N
Artillery Munitions (155mm) - IMX 101 Fill	\$ 57.2	E89500 PAN MC	DO	IDIQ/FFP	May/FY17	N	N	\$ 32.5	E89500 PAN MC	DO	IDIQ/FFP	2/3Q/ FY18	N	N
Artillery Munitions (155mm) - M795 Metal Parts	\$ 38.3	E89500 PAN MC	DO	IDIQ/FFP	May/FY17	N	N	\$ 19.7	E89500 PAN MC	US/Canada	FFP	3Q/FY17	Y	Y
Artillery Munitions (155mm) - Meltable Lifting Plugs	Awarded							\$ 3.5	E89500 PAN MC	SBSA	IDIQ/FFP	Mar/FY17	N	N
Artillery Munitions (155mm) - Wooden Pallets	\$ 5.4	E89500	O	FFP	May/FY17	N	N	\$ 4.5	E89500	O	FFP	1/2Q/ FY18	N	N



**PEO Ammunition**  
**Business Opportunities for FY17 and FY18**  
**Project Manager Combat Ammunition Systems (PM CAS)**

Program/ Item/ Description	FY17						FY18						
	FY17 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N	Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
<ul style="list-style-type: none"> <li>• Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>• Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Free (CPFF); Other Transaction Authority (OTA); etc.</li> <li>• SSN: Foreign Military Sales (FMS)</li> </ul>													
Fuzes, Propellants & Primer - Precision Guidance Kit (PGK)			Awarded				\$ 55.8	E99250 PAN MC	SS	FFP	1Q/FY18	N	N

**PEO Ammunition**  
**Business Opportunities for FY17 and FY18**  
**Project Manager Close Combat Systems (PM CCS)**

Program/ Item/ Description	FY17							FY18						
	FY17 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N		Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
<ul style="list-style-type: none"> <li>• Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>• Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Fee (CPFF); Other Transaction Authority (OTA); etc.</li> <li>• SSN: Foreign Military Sales (FMS)</li> </ul>														
*Not an Ammo item														
±FY16/FY17 Funds combined														
MMK152 Remote Access Munitions Systems	\$ 4.8	M60002	C	IDIQ/FFP	May/FY17	N	N							
Army Navy/Portable Special Search (AN/PSS-14)	\$ 8.5	*	SS	IDIQ/FFP	Jun/FY17	N	N	\$ 8.4	*	SS	IDIQ/FFP	Jun/FY17	N	N
GLRP TMRR Initiative - TSO Software Architecture	\$ 7.5	0603619A	C	OTA/CPFF	July/FY17	Y	Y							
GLRP TMRR Initiative - TSO Secure Communications Network	\$ 7.5	0603619A	C	OTA/CPFF	July/FY17	Y	Y							
GLRP TMRR Initiative - Terrain Shaping Obstacle (TSO) Bottom Attack Munition prototypes	\$ 7.5	0603619A	C	OTA/CPFF	July/FY17	Y	Y							
GLRP TMRR Initiative - Deep Terrain Shaping Obstacle (TSO) Bomb Unit prototype	\$ 7.5	0603619A	C	OTA/CPFF	July/FY17	Y	Y							
GLRP TMRR Initiative - Terrain Shaping Obstacle (TSO) Top Attack Munition prototypes	\$ 7.5	0603619A	C	OTA/CPFF	July/FY17	Y	Y							
GLRP TMRR Initiative Deep Terrain Shaping Obstacle (DTSO) System aircraft interface prototype	\$ 7.5	0603619A	C	OTA/CPFF	July/FY17	Y	Y							
XM112 Air Burst Non-Lethal Munition	\$ 4.7	677131	TBD	IDIQ/FFP	July/FY17	N	N							
Anti-Personal Obstacle Breaching System (APOBS)	\$ 13.1	E72800	TBD	IDIQ/FFP	Jan/FY18	Y	N							
Hand Held Signals (M127A1)	\$ 8.3±	E46800	SBSA	IDIQ/FFP	Dec/FY18	Y	N	\$ 1.0	E46800	C	IDIQ/FFP	Dec/FY18	Y	N
M58 Mine Clearing Line Charge (MICLIC)	\$ 9.5	E75101	TBD	IDIQ/FFP	Jan/FY18	N	N	\$ 2.5	E75101	TBD	IDIQ/FFP	1st/FY18	N	N
M18 DYES								\$ 5.0	E34001	TBD	FFP	2nd/FY18	N	N

**PEO Ammunition**  
**Business Opportunities for FY17 and FY18**  
**Project Manager Maneuver Ammunition Systems (PM MAS)**

Program/ Item/ Description	FY17							FY18						
	FY 17 Dollars (\$M) (FY 17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N		Planned FY 18 Dollars (\$M) (FY 17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
<ul style="list-style-type: none"> <li>• Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>• Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Fee (CPFF); Other Transaction Authority (OTA); etc.</li> <li>• SSN: Foreign Military Sales (FMS)</li> </ul>														
Small Caliber Second Source	\$ 19.2	Various	O	IDIQ/FFP	Jan/FY 17	N	N	\$ 20.2	Various	O	IDIQ/FFP	Mar/FY 18	N	N
LCAAP	\$173.6	Various	DO	IDIQ/FFP	Mar/FY 17	N	N	\$181.8	Various	DO	IDIQ/FFP	Mar/FY 18	N	N
5.56mm Frangible	\$ 10.3	E04610	C	IDIQ/FFP	Dec/FY 17	Y	N	\$ 10.3	E04610	DO	IDIQ/FFP	Mar/FY 18	N	N
5.56mm Marking, M1042 (Blue)	\$ 4.9	E96110	DO	IDIQ/FFP	Mar/FY 17	N	N	\$ 4.9	E96110	DO	IDIQ/FFP	Mar/FY 18	N	N
5.56mm Marking, M1042 (Red)	\$ 1.0	E96111	DO	IDIQ/FFP	Mar/FY 17	N	N	\$ 2.0	E96111	DO	IDIQ/FFP	Mar/FY 18	N	N
5.56mm Marking Linked, M1071 (Blue)	\$ 0.3	E96120	DO	IDIQ/FFP	Mar/FY 17	N	N	\$ 0.3	E96120	DO	IDIQ/FFP	Mar/FY 18	N	N
5.56mm Marking Linked, M1071 (Red)	\$ 0.1	E96121	DO	IDIQ/FFP	Mar/FY 17	N	N	\$ 0.1	E96121	DO	IDIQ/FFP	Mar/FY 18	N	N
5.56mm M1037 SRTA Linked	\$ 1.4	E96126	DO	IDIQ/FFP	Mar/FY 17	N	N	\$ 1.1	E96126	DO	IDIQ/FFP	Mar/FY 18	N	N
5.56mm M1037 SRTA Clipped	\$ 1.2	E96125	DO	IDIQ/FFP	Mar/FY 17	N	N	\$ 1.6	E96125	DO	IDIQ/FFP	Mar/FY 18	N	N
7.62mm Bottleneck Blank	\$ 0.3	E02015	C	FFP	Aug/FY 16	N	N	\$ 0.3	E02015	O	FFP	Feb/FY 18	N	N
7.62mm SRTA M793/M974	\$ 2.1	E88600	DO	IDIQ/FFP	Jul/FY 17	N	N	\$ 2.1	E88600	TBD	IDIQ/FFP	Jun/FY 17	N	N
9mm Marking M1041 (Blue)	\$ 3.3	E96105	DO	IDIQ/FFP	Mar/FY 17	N	N	\$ 2.8	E96105	DO	IDIQ/FFP	Mar/FY 18	N	N
9mm Marking M1041 (Red)	\$ 4.6	E96107	DO	IDIQ/FFP	Mar/FY 17	N	N	\$ 3.1	E96107	DO	IDIQ/FFP	Mar/FY 18	N	N
Pistol Family (9mm, .38 and .45 cal)	\$ 7.8	Various	DO	IDIQ/FFP	Jun/FY 17	Y	N	\$ 8.6	Various	DO	IDIQ/FFP	Mar/FY 18	N	N
CTG 20mm PGU 28A/B SAPHEI BP	\$ 46.6	N/A	DO	IDIQ/FFP	Jul/FY 17	N	N	\$ 7.0	N/A	LC	IDIQ/FFP	Dec/FY 18	Y	Y
CTG 20mm PGU 27A/B TP BP	\$ 47.0	N/A	DO	IDIQ/FFP	Jul/FY 17	N	N	\$ 35.4	N/A	LC	IDIQ/FFP	Dec/FY 18	Y	Y
CTG 20MM A PDS MK244-0 LNKD	\$ 26.0	N/A	DO	IDIQ/FFP	Jul/FY 17	N	N	\$ 26.5	N/A	LC	IDIQ/FFP	Dec/FY 18	Y	Y
CTG 20MM MPT-SD M940 W/MK7 LINK	\$ 7.6	E08909	DO	IDIQ/FFP	Jul/FY 17	N	N	\$ 6.5	E08909	DO	IDIQ/FFP	Feb/FY 18	N	N
CTG 20mm TP/TPT 4 PGU 27A/B / 1 PGU 30A	\$ 5.0	N/A	DO	IDIQ/FFP	Jul/FY 17	N	N							
CTG 25MM HEI-T M792	\$ 24.6	E08201	DO	IDIQ/FFP	Dec/FY 17	N	N	\$ -	E08201	DO	IDIQ/FFP	Feb/FY 18	N	N
CTG 25mm TP-T M793	\$ 9.5	E08203	DO	IDIQ/FFP	May/FY 17	N	N	\$ 10.6	E08203	DO	IDIQ/FFP	Feb/FY 18	N	N
CTG 25MM HEI PGU-25/U	\$ 4.4	N/A	DO	IDIQ/FFP	Jul/FY 17	N	N	\$ 2.8	N/A	LC	IDIQ/FFP	Dec/FY 18	Y	Y
CTG 25MM TP PGU-23/U SGL RND W/O TRACER								\$ 16.6	N/A	LC	IDIQ/FFP	Dec/FY 18	Y	Y
CTG 30mm TP M788	\$ 20.2	E10100	DO	IDIQ/FFP	Feb/FY 17	N	N	\$ 20.6	E10100	DO	IDIQ/FFP	Feb/FY 18	N	N

**PEO Ammunition**  
**Business Opportunities for FY17 and FY18**  
**Project Manager Maneuver Ammunition Systems (PM MAS)**

Program/ Item/ Description	FY17							FY18						
	FY17 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N		Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
<ul style="list-style-type: none"> <li>Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Fee (CPFF); Other Transaction Authority (OTA); etc.</li> <li>SSN: Foreign Military Sales (FMS)</li> </ul>														
CTG 30mm HEDP M789	\$ 18.5	E09900	DO	IDIQ/FFP	Mar/FY17	N	N	\$ 6.8	E09900	DO	IDIQ/FFP	Feb/FY18	N	N
CTG 30MM LINKED TP PGU-15 A/B	\$ 36.3	N/A	DO	IDIQ/FFP	Jul/FY17	N	N	\$ 37.4	N/A	LC	IDIQ/FFP	Dec/FY18	Y	Y
CTG 30MM HEI-T MK266-1 W/LK MK15	\$ 4.5	N/A	DO	IDIQ/FFP	Jul/FY17	N	N							
CTG 30MM TP-T MK239 SINGLE	\$ 3.3	E07306	DO	IDIQ/FFP	Jul/FY17	N	N	\$ 18.3	E07306	LC	IDIQ/FFP	Dec/FY18	Y	Y
CTG 30MM HEI-T MK238	\$ 5.2	E07406	DO	IDIQ/FFP	Jul/FY17	N	N	\$ 13.3	E07406	LC	IDIQ/FFP	Dec/FY18	Y	Y
CTG 30MM TPFSDS-T MK317 (SABOT TRNR)	\$ 1.2	E09191	DO	IDIQ/FFP	Jul/FY17	N	N	\$ 14.0	E09191	LC	IDIQ/FFP	Dec/FY18	Y	Y
CTG 30MM A PFSDS-T MK258 SINGLE	\$ 12.0	E09292	DO	IDIQ/FFP	Jul/FY17	N	N	\$ 24.5	E09292	LC	IDIQ/FFP	Dec/FY18	Y	Y
CTG 40MM HEDP M430A1 F/MK19 MG	\$ 7.4	E11800	C	FFP	Feb/FY17	Y	Y	\$ 2.4	E11800	O	FFP	Mar/FY18	N	N
CTG 40MM TP M918 LINKED F/MK19 MG	\$ 0.4	E71100	C	FFP	Feb/FY17	Y	Y	\$ 0.7	E71100	O	FFP	Mar/FY18	N	N
40mm TP DNT, HV M918E1	\$ 91.0	E05611	O	FFP	N/A	N	N	\$ 79.0	E05611	O	FFP	Mar/FY18	N	N
40mm TP DNT, LV M9781E1	\$ 23.0	E05610	O	FFP	N/A	N	N	\$ 22.0	E05610	O	FFP	Mar/FY18	N	N
CTG, 40MM Practice M781 - LV								\$ 1.2	E13800	O	FFP	Mar/FY18	N	N
CTG 40MM HEDP M430A1 W/M549A1 FUZE								\$ -	N/A	O	FFP	Mar/FY18	N	N
CTG 40MM HEDP M433								\$ 4.2	E12601	O	FFP	Mar/FY18	N	N
CTG 40MM PRACTICE M385A1								\$ 0.9	E12502	O	FFP	Mar/FY18	N	N
40mm Door Breaching								\$ 1.7	N/A	C	CPIF/FFP	Oct/FY18	Y	Y
40mm IRAP								\$ 3.6	N/A	C	CPIF/FFP	Nov/FY18	Y	Y
CTG TANK 120MM TPCSDS-T M865	\$ 26.7	E73400	LC	FFP	Jul/FY16	Y	N	\$ 26.7	E73400	O	FFP	Mar/FY18	N	N
CTG TANK 120MM TPMP-T M1002	\$ 33.9	E73201	LC	FFP	Jul/FY16	Y	N	\$ 33.9	E73201	O	FFP	Mar/FY18	N	N
CTG TANK 105MM TPDST-T M724A1	\$ 3.6	E22125	DO	IDIQ/FFP	Feb/FY17	N	N	\$ 1.6	E22125	DO	IDIQ/FFP	Mar/FY18	N	N
CTG TANK 120MM A PFSDS-T, M829A4	\$ 38.2	E88106	SS	FFP	Feb/FY17	N	N	\$ 41.2	E88106	O	FFP	Mar/FY18	N	N
CTG TANK 120MM Advanced Multi-Purpose AMP	\$ 23.7	N/A	O	FFP	N/A	N	N	\$ 23.7	N/A	O	FFP	N/A	N	N
CTG TANK 120MM HEAT-MP-T M830A1	\$ 8.1	E78007	US/Canada	CPFF	Jun/FY17	N	N							



**PEO Ammunition  
Business Opportunities for FY17 and FY18  
Project Director Joint Services (PD JS)**

Program/ Item/ Description	FY17							FY18						
	FY17 Dollars (\$M) (FY 17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N		Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
<ul style="list-style-type: none"> <li>Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Fee (CPFF); Other Transaction Authority (OTA); etc.</li> <li>SSN: Foreign Military Sales (FMS)</li> </ul>														
Conventional Ammo Demilitarization	\$ 48.4	EP1800	DO	IDIQ/FFP	Apr/FY17	N	N	\$ 32.9	EP1800	DO	IDIQ/FFP	2nd/FY18	N	N
Engine Starter Cartridge Disposal Phase II	\$ 1.0	665805F24	Mod	FFP	May/ FY17	N	N							
Rotary Kiln Improvement- Feed System Upgrade	\$ 1.7	665805F24	Mod	FFP	Jun/ FY17	N	N							
G826 Infrared Smoke Screening Grenade Demilitarization	\$ 2.5	665805F24	Mod	FFP	Jun/ FY17	N	N							
MK 46 Torpedo Demilitarization	\$ 2.5	665805F24	Mod	FFP	Jul/ FY17	N	N							
Life Cycle Pilot Process (Army Ammunition Research and Development Projects)	\$ 2.3	665805859	Mod	FFP	Aug/FY17	N	N	\$ 5.6	665805859	Mod	FFP	1st/FY18	N	N
Multiple Launch Rocket System Missile Demilitarization								\$ 29.1	EP1802	O	FFP	1st/FY18	N	N
Armament Retooling and Manufacturing Support (ARMS)								\$ 3.6	EP2500	Mod	IDIQ/FFP	3rd/FY18	N	N
Layaway of Industrial Facilities (Army Ammunition Plant Projects)								\$ 6.3	EP2000	Mod	IDIQ/FFP	3rd/FY18	N	N
Maintenance of Inactive Facilities (Army Ammunition Plant Projects)								\$ 11.2	EP1500	Mod	IDIQ/FFP	3rd/FY18	N	N
Scranton Army Ammunition Plant Property Management								\$ 1.0	EP1200	US/Canada	IDIQ/FFP	3rd/FY18	Y	Y
Radford Army Ammunition Plant Provision of Industrial Facilities								\$ 44.6	EP1200	DO	IDIQ/FFP	3rd/FY18	N	N
Lake City Army Ammunition Plant Provision of Industrial Facilities								\$ 43.4	EP1200	DO	IDIQ/FFP	3rd/FY18	N	N
Holston Army Ammunition Plant Provision of Industrial Facilities								\$105.6	EP1200	Mod	IDIQ/FFP	3rd/FY18	N	N
Low a Army Ammunition Plant Provision of Industrial Facilities								\$ 7.4	EP1200	DO	IDIQ/FFP	3rd/FY18	N	N
Navy Projectile Demilitarization (Year 1 of 3)								\$ 15.0	EP1801	C	IDIQ/FFP	3rd/ FY18	Y	Y

**PEO Ammunition  
Business Opportunities for FY17 and FY18  
Project Director Joint Products (PD JP)**

Program/ Item/ Description	FY17							FY18						
	FY17 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (month/FY)	Draft RFP Y/N	Industry Day Y/N		Planned FY18 Dollars (\$M) (FY17 Pres Budget Request) / SSN	Planned Strategy	Contract Type	Anticipated Final RFP Release Date (Qtr/FY)	Draft RFP Y/N	Industry Day Y/N	
<ul style="list-style-type: none"> <li>• Planned Strategy: Competitive (C); Limited Competition (LC); Small Business Set-Aside (SBSA); Sole Source (SS); Delivery Order (DO); Option (O); United States and Canada only; etc.</li> <li>• Contract Type: Firm Fixed Price (FFP); Indefinite Delivery/Indefinite Quantity (IDIQ); Cost Plus Fixed Free (CPFF); Other Transaction Authority (OTA); etc.</li> <li>• SSN: Foreign Military Sales (FMS)</li> </ul>														
BSU-33 & MK84 Fin Assemblies	\$ 10.0	N/A	SBSA	IDIQ/FFP	May/FY17	N	N							
General Purpose Bombs								\$ 36.1	N/A	SS	FFP	4th/FY17	N N	
MK12 & MK3 Pallets								\$ 0.2	N/A	SBSA	IDIQ/FFP	1st/FY18	N N	
Tritonal Bomb Kits								TBD	N/A	TBD	TBD	1st/FY18	N N	
Cast Ductile Iron Bombs								TBD	N/A	TBD	TBD	3rd/FY18	N N	

# Appendix B



# ARMAMENT RESEARCH, DEVELOPMENT & ENGINEERING CENTER (ARDEC)

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The Armament Research, Development and Engineering Center (ARDEC) is an internationally acknowledged hub for the advancement of armament technology and engineering innovation. ARDEC is one of the specialized research, development and engineering centers within the U.S. Army Research, Development and Engineering Command. ARDEC's workforce provides lifecycle engineering support for nearly 90 percent of the Army's lethality used every day by the U.S. warfighter.

A strategic objective of ARDEC is to establish and leverage partnerships with industry, academic institutions and other government organizations that support our mission for the warfighter as well as national goals of transferring the results of Federal R&D investment to the industrial base. ARDEC has over 120 active Cooperative Research and Development Agreements (CRADAs), most with defense suppliers. We have found CRADAs and other non-acquisition mechanisms to be valuable tools for accelerating the transition of technology innovation at all stages of the Defense Acquisition Life Cycle. ARDEC has over 80 laboratory and testing facilities available for industry use, and has recently been delegated the authority to sell engineering services.

Visit [www.pica.army.mil/TechTran](http://www.pica.army.mil/TechTran) to learn more or send an email to: [usarmy.picatinny.ardec.mbx.domestic-tech-transfer@mail.mil](mailto:usarmy.picatinny.ardec.mbx.domestic-tech-transfer@mail.mil).



ARDEC

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# FUTURE ARMAMENTS SCIENCE AND TECHNOLOGY FOCUS AREAS 2020 AND BEYOND

## Munition Technologies

- Smart/Collaborative Munitions
- Highly Directional Explosives/Warheads
- Multi-function Munitions
- Reduced Health Impact of Expended Munitions
- Design for Demilitarization and Disposal
- Non-Kinetic Effects
- Scalable Munitions
- Enhanced Precision
- Counter-Measure Hardened Munitions
- Advanced Fuzing
- Extended Range Effects
- Interceptor munitions

## Weapon Technologies

- Directed Energy
- Fire Control
- Robotic and Autonomous Systems
- Collaborative Fires
- Signature Reduction
- Modular, Common, Multi-use Components
- Non-Volume Suppressive Effects
- Improvised Explosive Neutralization
- Fires from Enclosure

## Enabling Technologies

- Application of Advanced Materials
- Enhanced Propulsion Science
- Advanced Manufacturing
- Verified and Validated Modeling and Simulation Tools
- Reduced Lifecycle Environmental Impact
- Logistics Automation and Reduction

\*Reference "Armaments S&T Strategic Plan, Version 1.0, Jan 2016"

