

UNCLASSIFIED

**Department of Defense  
Fiscal Year (FY) 2025 Budget Estimates**

March 2024



**Air Force**

*Justification Book Volume 1 of 1*

***Procurement of Ammunition, Air Force***

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

**UNCLASSIFIED**

Air Force • Budget Estimates FY 2025 • Procurement

**Volume 1 Table of Contents**

Introduction and Explanation of Contents.....Volume 1 - iii

Comptroller Exhibit P-1.....Volume 1 - v

Master Line Item Table of Contents (by Appropriation then Line Number).....Volume 1 - ix

Master Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 1 - xi

Summary 3011.....Volume 1 - xiii

Acronyms..... Volume 1 - xv

Exhibit P-40s..... Volume 1 - 1

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

**UNCLASSIFIED**

Appropriation Language  
Fiscal Year (FY) 2025 President's Budget  
Procurement of Ammunition, Air Force

For construction, procurement, production, and modification of ammunition and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; other expenses necessary for the foregoing purposes, and overseas operations costs, \$709,475,000 to remain available for obligations until September 30, 2027.

**UNCLASSIFIED**

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Department of the Air Force  
FY 2025 President's Budget  
Exhibit P-1 FY 2025 President's Budget

Total Obligational Authority  
3011F Detail  
(Dollars in Thousands)

Mar 2024

Appropriation: 3011 Procurement of Ammunition, Air Force				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line		Ident	Sec	FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
No	Item Nomenclature			Code	Quantity	Cost	Quantity	Cost*	Quantity
<u>Budget Activity 01: Ammunition</u>									
Rockets									
1	Rockets	A	U		22,190		18,483		
Cartridges									
2	Cartridges	A	U		117,064		101,104		123,034
Bombs									
3	General Purpose Bombs	A	U		147,580		142,118		144,725
4	Massive Ordnance Penetrator (MOP)		U		1,527		14,074		8,566
5	Joint Direct Attack Munition	A	U	5,345	251,956	1,772	132,364	1,500	125,268
6	B-61	A	U				68		

\*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared; therefore, the budget assumes this account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.

Department of the Air Force  
FY 2025 President's Budget  
Exhibit P-1 FY 2025 President's Budget

Total Obligational Authority  
3011F Detail  
(Dollars in Thousands)

Mar 2024

Appropriation: 3011 Procurement of Ammunition, Air Force				FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line		Ident							
No	Item Nomenclature	Code	Sec	Quantity	Cost	Quantity	Cost*	Quantity	Cost
7	B61-12 Trainer	A	U				10,100		11,665
<b>Other Items</b>									
8	Cad/Pad	A	U		48,473		51,487		40,487
9	Explosive Ordnance Disposal (EOD)	A	U		6,343		6,707		7,076
10	Spares And Repair Parts	A	U		573		585		617
11	First Destination Transportation	A	U		3,025		2,299		2,894
12	Items Less Than \$5,000,000	A	U		5,830		5,115		5,399
<b>Flares</b>									
13	Expendable Countermeasures	A	U		130,548		79,786		99,769
<b>Fuzes</b>									
14	Fuzes	A	U		92,918		109,562		114,664

\*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared; therefore, the budget assumes this account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.



Department of the Air Force  
FY 2025 President's Budget  
Exhibit P-1 FY 2025 President's Budget

Total Obligational Authority  
3011F Detail  
(Dollars in Thousands)

Mar 2024

Appropriation: 3011 Procurement of Ammunition, Air Force					FY 2023 Actuals		FY 2024 PB Request with CR Adjustments		FY 2025 Request	
Line		Ident								
No	Item Nomenclature	Code	Sec	Quantity	Cost	Quantity	Cost*	Quantity	Cost	
Total Ammunition					828,027		673,852		684,164	
<u>Budget Activity 02: Weapons</u>										
Small Arms										
15	Small Arms	A	U		11,973		29,306		25,311	
Total Weapons					11,973		29,306		25,311	
<u>Budget Activity 20: Undistributed</u>										
Undistributed										
16	Adj to Match Continuing Resolution	A	U				154,042			
Total Undistributed							154,042			
Total Procurement of Ammunition, Air Force					840,000		857,200		709,475	

\*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared; therefore, the budget assumes this account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.

Volume 1 - vii

Department of the Air Force  
FY 2025 President's Budget  
Exhibit P-1 FY 2025 President's Budget  
Total Obligational Authority

Appropriation: 3011 Procurement of Ammunition, Air Force				FY 2024 PB Request Overseas Operations Costs (OOC)		FY 2025 Overseas Operations Costs (OOC)	
Line		Ident Code	Sec	Quantity	Cost*	Quantity	Cost*
No	Item Nomenclature						
<u>Budget Activity 01: Ammunition</u>							
Cartridges							
2	Cartridges	A	U		9,800		9,977
Total Ammunition					9,800		9,977
<u>Budget Activity 02: Weapons</u>							
Small Arms							
15	Small Arms	A	U		4,900		4,988
Total Weapons					4,900		4,988
Total Procurement of Ammunition, Air Force					14,700		14,965

\*FY 2024 and FY 2025 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.  
\*FY 2023 includes \$10,825K in Overseas Operations Costs (OOC) Actuals. FY 2024 includes \$14,700K in OOC Requested. FY 2025 includes \$14,965K for the OOC Budget Estimate. OOC were financed previously with former Overseas Contingency Operations (OCO) funding.

UNCLASSIFIED

Air Force • Budget Estimates FY 2025 • Procurement

Master Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 3011F: Procurement of Ammunition, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	11	351010	Rockets.....	Volume 1 - 1
2	01	12	352010	Cartridges.....	Volume 1 - 3
3	01	13	353020	General Purpose Bombs.....	Volume 1 - 15
4	01	13	353190	Massive Ordnance Penetrator (MOP).....	Volume 1 - 21
5	01	13	353620	Joint Direct Attack Munition.....	Volume 1 - 25
6	01	13	354040	B-61.....	Volume 1 - 35
7	01	13	354050	B61-12 Trainer.....	Volume 1 - 39
8	01	15	355100	Cad/Pad.....	Volume 1 - 43
9	01	15	355450	Explosive Ordnance Disposal (EOD).....	Volume 1 - 47
10	01	15	355900	Spares And Repair Parts.....	Volume 1 - 51
11	01	15	355980	First Destination Transportation.....	Volume 1 - 53
12	01	15	355990	Items Less Than \$5,000,000.....	Volume 1 - 55
13	01	16	356010	Expendable Countermeasures.....	Volume 1 - 59
14	01	18	356120	Fuzes.....	Volume 1 - 65

UNCLASSIFIED

UNCLASSIFIED

Air Force • Budget Estimates FY 2025 • Procurement

*Appropriation 3011F: Procurement of Ammunition, Air Force*

Line #	BA	BSA	Line Item Number	Line Item Title	Page
15	02	01	357010	Small Arms.....	Volume 1 - 71

**UNCLASSIFIED**

Air Force • Budget Estimates FY 2025 • Procurement

**Master Line Item Table of Contents (Alphabetically by Line Item Title)**

Line Item Title	Line Item Number	Line #	BA	BSA	Page
B-61	354040	6	01	13.....	Volume 1 - 35
B61-12 Trainer	354050	7	01	13.....	Volume 1 - 39
Cad/Pad	355100	8	01	15.....	Volume 1 - 43
Cartridges	352010	2	01	12.....	Volume 1 - 3
Expendable Countermeasures	356010	13	01	16.....	Volume 1 - 59
Explosive Ordnance Disposal (EOD)	355450	9	01	15.....	Volume 1 - 47
First Destination Transportation	355980	11	01	15.....	Volume 1 - 53
Fuzes	356120	14	01	18.....	Volume 1 - 65
General Purpose Bombs	353020	3	01	13.....	Volume 1 - 15
Items Less Than \$5,000,000	355990	12	01	15.....	Volume 1 - 55
Joint Direct Attack Munition	353620	5	01	13.....	Volume 1 - 25
Massive Ordnance Penetrator (MOP)	353190	4	01	13.....	Volume 1 - 21
Rockets	351010	1	01	11.....	Volume 1 - 1
Small Arms	357010	15	02	01.....	Volume 1 - 71
Spares And Repair Parts	355900	10	01	15.....	Volume 1 - 51

**UNCLASSIFIED**

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Department of the Air Force  
FY 2025 President's Budget  
Exhibit P-1 FY 2025 President's Budget  
Total Obligational Authority  
3011F BA Summary  
(Dollars in Thousands)

Mar 2024

Appropriation: Procurement of Ammunition, Air Force	FY 2024 PB		
	FY 2023	Request with CR	FY 2025
	Actuals	Adjustments*	Request
<b><u>Budget Activity</u></b>			
01. Ammunition	828,027	673,852	684,164
02. Weapons	11,973	29,306	25,311
20. Undistributed		154,042	
<b>Total Procurement of Ammunition, Air Force</b>	<b>840,000</b>	<b>857,200</b>	<b>709,475</b>

\*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared; therefore, the budget assumes this account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.

Department of the Air Force  
FY 2025 President's Budget  
Exhibit P-1 FY 2025 President's Budget  
Total Obligational Authority  
3011F BA Summary  
(Dollars in Thousands)

Mar 2024

Appropriation: Procurement of Ammunition, Air Force

	FY 2024 PB Request Overseas Operations Costs (OOC)*	FY 2025 Overseas Operations Costs (OOC)*
<b>Budget Activity</b>		
01. Ammunition	9,800	9,977
02. Weapons	4,900	4,988
<b>Total Procurement of Ammunition, Air Force</b>	<b>14,700</b>	<b>14,965</b>

\*FY 2024 and FY 2025 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

\*FY 2023 includes \$10,825K in Overseas Operations Costs (OOC) Actuals. FY 2024 includes \$14,700K in OOC Requested. FY 2025 includes \$14,965K for the OOC Budget Estimate. OOC were financed previously with former Overseas Contingency Operations (OCO) funding.



# UNCLASSIFIED

## ACRONYMS

### ***GENERAL ACRONYMS***

A&AS	- Advisory & Assistance Services
ABIDES	- Automated Budget Interactive Data Environment System
ACAT	- Acquisition Category
ACTD	- Advanced Concept Technology Demonstration
AGM	- Air-to-Ground Missile
AIM	- Air Intercept Missile
AIS	- Avionics Intermediate Shop
ACMI	- Aircraft Combat Maneuvering Instrumentation
AMRAAM	- Advanced Medium-Range Air-to-Air Missile
APPN	- Appropriation
ATD	- Advanced Technology Development
BA	- Budget Activity
BES	- Budget Estimate Submission
BY	- Budget Year
C3	- Command, Control, and Communication System
CFE	- Contractor Furnished Equipment
CONOPS	- Concept of Operation
CONUS	- Continental United States
CPMS	- Comprehensive Power Management System
CPT	- Cockpit Procedures Trainer
CRA	- Continuing Resolution Authority
CTS	- Countermeasures Test Set
CY	- Current Year
ECCM	- Electronic Counter Counter-Measures
ECM	- Electronic Counter Measures
ECO	- Engineering Change Orders
EOQ	- Economic Order Quantity
ECP	- Engineering Change Proposal
EPA	- Economic Price Adjustment
EW	- Electronic Warfare
EWAISP	- Electronic Warfare Avionics Integration Support Facility
FLIR	- Forward Looking Infra Red

UNCLASSIFIED

## UNCLASSIFIED

FOT&E	- Follow-on Test and Evaluation
FOC	- Fully Operational Capability
FLTS	- Flight Line Test Set
FPIF	- Fixed Price Incentive Firm
FPIS	- Fixed Price Incentive Fee, Successive Targets
FY	- Fiscal Year
GANS	- Global Access Navigation & Safety
GATM	- Global Air Traffic Management
GFE	- Government Furnished Equipment
GFP	- Government Furnished Property
GPS	- Global Positioning System
GSE	- Ground Support Equipment
ICS	- Interim Contractor Support
IOC	- Initial Operating Capability
IT	- Information Technology
JUON	- Joint Urgent Operational Need
MAIS	- Major Automated Information System Program
MDAP	- Major Defense Acquisition Program
METS	- Mobile Electronic Test Stations
MYP	- Multiyear Procurement
NAVWAR	- Navigation Warfare
NMC Rate	- Not Mission Capable Rate
OCO	- Overseas Contingency Operations
OOC	- Overseas Operations Costs
OT&E	- Operational Test and Evaluation
OWRM	- Other War Reserve Material
PAGEL	- Priced Aerospace Ground Equipment List
PB	- President's Budget
PBR	- Program Budget Review
PMA	- Program Management Administration
PMC	- Procurement Method Code
PNO	- Acquisition Program Number (MDAP Codes)
PR	- Purchase Request
PRCP	- Program Resource Collection Process
PTT	- Part Task Trainer
PY	- Prior Year

UNCLASSIFIED

## UNCLASSIFIED

R&M	- Reliability and Maintainability
RAA	- Rapid Acquisition Authority
RDT&E	- Research, Development, Test and Evaluation
RWR	- Radar Warning Receiver
ROM	- Rough Order of Magnitude
SS	- Sole Source
SOF	- Special Operation Force
TAF	- Tactical Air Force
TCAS	- Traffic Collision Alert and Avoidance System
TEWS	- Tactical Electronic Warfare System
TISS	- TEWS Intermediate Support System
TOA	- Total Obligation Authority
WCF	- Working Capital Fund
WRM	- War Reserve Material
WST	- Weapon System Trainer
UAV	- Unmanned Aerial Vehicle
XML	- Extensible Markup Language

### ***BASE / ORGANIZATIONAL ACRONYMS***

ACC	- Air Combat Command
AETC	- Air Education & Training Command
AFCAO	- Air Force Computer Acquisition Office
AFCESA	- Air Force Civil Engineering Support Agency
AFCIC	- AF Communications & Information Center
AFCSC	- Air Force Cryptologic Service Center
AFESC	- Air Force Engineering Services Center
AFGWC	- Air Force Global Weather Central
AFIT	- Air Force Institute of Technology
AFLCMC	- Air Force Life Cycle Management Center
AFMC	- Air Force Materiel Command
AFMETCAL	- Air Force Metrology and Calibration Office
AFMLO	- Air Force Medical Logistics Office
AFOSI	- Air Force Office of Special Investigation
AFOTEC	- Air Force Operational Test & Evaluation Center
AFPC	- Air Force Personnel Center

UNCLASSIFIED

## UNCLASSIFIED

AFPSL	- AF Primary Standards Lab
AFR	- Air Force Reserve
AFSOC	- AF Special Operations Command
AFSPC	- Air Force Space Command
AIA	- Air Intelligence Agency
ALC	- Air Logistics Center
AMC	- Air Mobility Command
ANG	- Air National Guard
ASC	- Aeronautical Systems Center
AETC	- Air Education Training Command
AU	- Air University
AWS	- Air Weather Service
CIA	- Central Intelligence Agency
DGSC	- Defense General Support Center
DLA	- Defense Logistics Center
DOE	- Department of Energy
DPSC	- Defense Personnel Support Center
DSCC	- Defense Supply Center, Columbus
DTIC	- Defense Technical Information Center
ER	- Eastern Range
ESC	- Electronic Systems Center
FAA	- Federal Aviation Agency
FBI	- Federal Bureau of Investigation
GSA	- General Services Administration
JCS	- Joint Chiefs of Staff
NATO	- North Atlantic Treaty Organization
OSD	- Office of the Secretary of Defense
PACAF	- Pacific Air Forces
USAF	- United States Air Force
USAFA	- United States Air Force Academy
USAFE	- United States Air Force Europe
USCENTCOM	- United States Central Command
USEUCOM	- United States European Command
USMC	- United States Marine Corps
USSTRATCOM	- United States Strategic Command
WP AFB	- Wright-Patterson AFB, OH

UNCLASSIFIED

## UNCLASSIFIED

### ***CONTRACT METHOD / TYPE ACRONYMS***

C	- Competitive
BA	- Basic Agreement
BOA	- Basic Ordering Agreement
BPA	- Blanket Purchasing Agreement
CS	- Cost Sharing
IDDQ	- Indefinite Delivery, Definite Quantity
IDIQ	- Indefinite Delivery, Indefinite Quantity
IDRT	- Indefinite Delivery, Requirements
Letter	- Letter
LH	- Labor-hour
MIPR	- Military Interdepartmental Purchase Request
MIPR-C	- Military Interdepartmental Purchase Request - Competitive
MIPR-OPT	- Military Interdepartmental Purchase Request - Option
MIPR-OTH	- Military Interdepartmental Purchase Request – Other
MIPR-SS	- Military Interdepartmental Purchase Request - Sole Source
OPT	- Option
OTH	- Other
PO	- Project Order
REQN	- Requisition
SS	- Sole Source
T&M	- Time and Materials
UCA	- Undefined Contract Action
WP	- Work Project

### ***CONTRACTED BY ACRONYMS***

11 WING	- 11th Support Wing, Washington, DC
ACC	- Air Combat Command, Langley AFB, VA
AEDC	- Arnold Engineering Development Center, Arnold AFB, TN
AAC	- Air Armament Center, Eglin AFB, FL
AEDC	- Arnold Engineering Development Center, Arnold AFB, TN
AETC	- Air Education and Training Command, Randolph AFB, TX
AFCIC	- Air Force Communications and Information Center, Washington, DC
AFCESA	- Air Force Civil Engineering Support Agency, Tyndall AFB, FL

UNCLASSIFIED

## UNCLASSIFIED

AFFTC	- Air Force Flight Test Center, Edwards AFB, CA
AFLCMC	- Air Force Life Cycle Management Center, Wright-Patterson AFB, OH
AFMC	- Air Force Materiel Command, Wright-Patterson AFB, OH
AFMETCAL	- Air Force Metrology and Calibration Office, Heath, Ohio
AFMLO	- Air Force Medical Logistics Office, Ft Detrick, MD
AIA	- Air Intelligence Agency, Kelly AFB, TX
AMC	- Air Mobility Command, Scott AFB, IL
ASC	- Aeronautical Systems Center, Wright-Patterson AFB, OH & Eglin AFB, FL
AFWA	- Air Force Weather Agency, Offutt AFB, NE
DGSC	- Defense General Support Center, Richmond, VA
DPSC	- Defense Personnel Support Center, Philadelphia, PA
ER	- Eastern Range, Patrick SFB, FL
ESC	- Electronic Systems Center, Hanscom AFB, MA
HSC	- Human Services Center, Brook AFB, TX
OC-ALC	- Oklahoma City Air Logistics Center, Tinker AFB, OK
OO-ALC	- Ogden Air Logistics Center, Hill AFB, UT
SMC	- Space & Missile Systems Center, Los Angeles AFB, CA
US STRATCOM	- US Strategic Command, Offutt AFB, NE
WACC	- Washington Area Contracting Center, Washington DC
WR	- Western Range, Vandenberg SFB, CA
WR-ALC	- Warner-Robins Air Logistics Center, Robins AFB, GA
AFSPC	- Air Force Space Command, Peterson AFB, CO
HQ ANG	- Headquarters, Air National Guard, Washington, DC
USAFE	- United States Air Force Europe, Ramstein AB, GE
USAFA	- United States Air Force Academy, Colorado Springs, CO

### ***IDENTIFICATION CODES***

Code "A"	- Line items of material which have been approved for Air Force service use.
Code "B"	- Line items of material that have not been approved for Service use
OBAN	- Operating Budget Account Number, 2-digit code for unit allocated funds

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force

Date: March 2024

Appropriation / Budget Activity / Budget Sub Activity:  
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 11: Rockets

P-1 Line Item Number / Title:  
351010 / Rockets

ID Code (A=Service Ready, B=Not Service Ready): A

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: 112

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	22.190	18.483	0.000	-	0.000	0.000	0.000	0.000	0.000	-	40.673
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	22.190	18.483	0.000	-	0.000	0.000	0.000	0.000	0.000	-	40.673
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	22.190	18.483	0.000	-	0.000	0.000	0.000	0.000	0.000	-	40.673
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

- The WGU-59B Advanced Precision Kill Weapon System II (APKWS II) is employed on the A-10 and F-16 aircraft. APKWS II all-up-round (AUR) is composed of a fuse, M151/M282 warhead, WGU-59B guidance and control section, and a MK66 rocket motor launched from a LAU-131A/A or LAU-68F/A rocket launcher. The weapon is effective in any terrain, including, but not limited to, urban, desert and mountainous. It provides an ability to engage and destroy moving and transient targets. APKWS II offers greater precision, reduced collateral damage, and increased standoff range to enhance crew survivability.

- The APKWS II guidance section is a mid-body, semi-active laser guidance and control kit that converts an unguided 2.75 inch rocket into a precision laser-guided rocket. APKWS II guidance sections are compatible with new and existing inventories of rocket motors, warheads, and launchers. The guidance sections are procured through Department of the Navy PMA-242 at Patuxent River Naval Air Station.

- The Air Force uses the 2.75 inch diameter rocket system to support various missions including low collateral damage engagements, target marking, and battle field illumination. The system can be employed from both high and low speed aircraft. The 2.75 inch diameter rocket motor (HA07) is a single stage, solid grain rocket motor used to propel unguided and guided payloads to their targets. The HA07 is able to carry the WGU-59B (HB24) Advanced Precision Kill Weapon System II (APKWS II) guidance section, and the following payloads: illuminating flare warhead (H812), infrared (IR) illuminating flare warhead (HA06/HB37), Signal Practice warhead (H872), White Phosphorus (WP) warhead (H855), M151 High Explosive warheads (H842 and H843), and M282A2 (HB45) Penetrator warhead. The 2.75 inch rockets are launched from reusable pods, the LAU-131A (H149) and LAU-131A/A (HA91) extended length launcher, carried on A-10 and F-16 aircraft. These items are procured by AFLCMC/EBH through the U.S. Army Missile Command, Tactical Aviation and Ground Munitions (TAGM), PEO Missile and Space at Redstone Arsenal, Alabama, and Department of the Navy PMA-242 at Patuxent River Naval Air Station and Naval Surface Warfare Center Indian Head Explosive Ordnance Disposal Technology Division (IHEODTD) at Indian Head, MD.

- The M151 (H843) warhead is a low-cost, low-collateral damage capability. The M282A2 MPP warhead provides aircrew and ground commanders greatly enhanced weaponeering options to engage targets protected by urban and cave environments. Equipment such as MKIII, MKIV, and AN/USM-715 testers, peculiar support equipment, clamping and torquing fixtures and tools, or other assets that pertain to assembling and testing APKWS or unguided rockets are also procured.

- The Illuminating Flare (H812) and IR illuminating flare (HA06/HB37) warheads provide forward air control aircraft with the target locations from a standoff distance in a hostile environment.

- The Signal Practice (H872) warhead provides a training capability.

- The WP (H855) warhead provides forward air control aircraft with target locations from a standoff distance in a hostile environment.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 11: Rockets		P-1 Line Item Number / Title: 351010 / Rockets
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: 112		
<p>- The LAU-131A/A (HA91) and the LAU-68F/A (HA94) are seven tube (capacity) extended length launchers that can accommodate both legacy length 2.75 inch diameter rockets and the extended length of the APKWS II rockets. The extended length launchers are designed to accommodate the guidance and control section within the launcher.</p> <p>- Items Less Than Five Million Dollars: All items have an annual procurement value of less than 5,000,000 and are Code A. These items are procured by AFLCMC/EBH through the U.S. Army Missile Command, Tactical Air to Ground Munitions (TAGM), PEO Missiles and Space at Redstone Arsenal Alabama, and/or the U.S. Navy PMA-242 at Patuxent River Naval Air Station. In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.</p> <p>Funds may be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.</p> <p>These funds may also procure inventoried items which may not be procured on an annual basis and could be required on an emerging basis. Variations to cover critical shortfalls to inventory objectives as well as actual and planned expenditures will be addressed during execution year.</p> <p>This program leverages Digital acquisition tenets of open, agile, and digital. Invests in analytical, information management, data management, digital environments, networks, facilities, and security infrastructure upgrades directly supporting development and sustainment of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions.</p> <p>Funding for this exhibit is contained in PE 0207599F and PE 0208030F.</p>		
Justification: No FY 2025 funding requested.		



UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges							P-1 Line Item Number / Title: 352010 / Cartridges					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	117.064	101.104	123.034	-	123.034	127.379	124.951	122.466	124.907	-	840.905
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	117.064	101.104	123.034	-	123.034	127.379	124.951	122.466	124.907	-	840.905
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	117.064	101.104	123.034	-	123.034	127.379	124.951	122.466	124.907	-	840.905
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The following Weapon System Cost Elements are represented in this P-1 line:

MEDIUM CALIBER AMMO:

-20MM PGU-28A/B (AA22): Primary combat round, high explosive incendiary used with the M61 gun system applicable to the F-15, F-16, and F-22 aircraft gun systems. Designed for use against air-to-air and air-to-ground targets. Both the Air Force and Navy use this ammunition for combat only. Air Force procures PGU-28A/B through the Single Manager for Conventional Ammunition (SMCA), Department of the Army and engineering support from the Navy.

-20MM TP Round PGU-27A/B (AA24): This round is used for air-to-air and air-to-ground training in the M61 aircraft gun systems on F-15, F-16 and F-22 aircraft. The cartridge is electrically primed and has no fuze. The projectile is a solid slug sized to match the ballistics of the PGU-28A/B. The PGU-27A/B is the primary ammunition used by the Air Force and Navy aircraft gun systems to provide a training capability to complement the PGU-28 high explosive incendiary combat round and ensure training is consistent with combat operations. Air Force procures PGU-27A/B through the Army Single Manager for Conventional Ammunition (SMCA), Department of the Army and engineering support from the Navy.

-20MM PGU-39 (A931): PGU-39 is a dummy round that provides gun system training, aids in troubleshooting, and is utilized to verify M61 gun system readiness. Air Force procures PGU-39 through Single Manager for Conventional Ammunition (SMCA), Department of the Army and engineering support from the Navy.

-25MM Target Practice (TP), PGU-23/U (A978): 25MM PGU-23 is a target practice round used in the GAU-12/A and GAU-22/A gun systems applicable to the AC-130U and F-35A aircraft. The round is a kinetic energy combat training round. Air Force procures PGU-23 through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.

-25MM PGU-48/B (AB98): 25MM PGU-48/B (formerly Frangible Armor Piercing (FAP)) round to be used in GAU-22/A gun system on F-35/JSF. Air Force procures PGU-48/B through Hill AFB Contracting.

-30MM HEI PGU-13D/B Round (B104): This is a High Explosive Incendiary (HEI) round for the GAU-8/A cannon on the A-10 aircraft. It contains an explosive material for use against light armor and personnel. Air Force procures PGU-13D/B from the Single Manager for Conventional Ammunition (SMCA), Department of the Army.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges		<b>P-1 Line Item Number / Title:</b> 352010 / Cartridges
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>-30MM Target Practice (TP) Cartridge PGU-15A/B (B116): A solid, inert projectile used to train aircrew in the use of the GAU-8/A cannon on the A-10 aircraft. The cartridge is mechanically primed and has no fuze, while the projectile is a solid slug designed to match the ballistics of high explosive incendiary and armor piercing incendiary cartridges. Air Force procures PGU-15A/B from the Single Manager for Conventional Ammunition (SMCA), Department of the Army.</p> <p>-30MM Combat Mix (AC56) (Formerly B103) consists of two Armor Piercing Incendiary rounds (PGU-14) and one High Explosive Incendiary (PGU-13) round and is employed on the GAU-8 cannon on the A-10 aircraft. Combat Mix is a primary combat ammunition for the A-10. The AF procures this item through Single Manager for Conventional Ammunition (SMCA).</p> <p>-30MM Urban Mix (AC29) consists of two High Explosive Incendiary (PGU-13) and one Target Practice (PGU-15) rounds and is employed on the GAU-8 cannon on the A-10 aircraft. Urban Mix is an alternate (lower collateral damage) combat ammunition for the A-10. The AF procures this item through Single Manager for Conventional Ammunition (SMCA).</p> <p>-30MM PGU-15 LINKED (AA94) Target Practice round is used on the AC-130 Gunship by AFSOC for aircrew training and proficiency. Medium Caliber procures the ammunition and SOCOM procures the links required to configure this ammunition for use on the AC-130. The AF procures this item through Single Manager for Conventional Ammunition (SMCA).</p> <p>-30MM PGU-13 LINKED (AB18) HEI round is used on the AC-130 Gunship by AFSOC for aircrew training and proficiency and provides the pilots a visible impact signature from firing distance. PGU-13 LINKED is an alternate combat ammunition for the AC-130. Medium Caliber procures the ammunition and SOCOM procures the links required to configure this ammunition for use on the AC-130. The AF procures this item through Single Manager for Conventional Ammunition (SMCA).</p> <p>-20MM PGU-27 (AA24): IN 2025 Due to high stock levels and diminishing Inventory Objective levels.</p> <p>-25MM PGU-48/B (AB98): Current programmed procurements are expected to fulfill inventory requirements. Current stockpile inventory is 21% of total inventory objective.</p> <p>-25MM PGU-23 (A978):</p> <p>-30MM PGU-15 (B116): Procurement of PGU-15 is critical to replenish of WRM stockpiles to support pilot training and proficiency. Current stockpile inventory and projected utilization will not meet or maintain the total inventory objective.</p> <p>-30MM PGU-15 LINKED (AA94) - Procurement of PGU-15 LINKED is critical to replenish of stockpiles to support AFSOC training and proficiency. Current stockpile inventory and projected utilization will not meet or maintain the total inventory objective.</p> <p>-30MM PGU-13 LINKED (AB18) - Procurement of PGU-13 LINKED is critical to replenish of stockpiles to support AFSOC training and proficiency. Current stockpile inventory and projected utilization will not meet or maintain the total inventory objective.</p> <p>SMALL CALIBER/GROUND MUNITIONS:</p> <p>Program Support,</p> <p>-7.62MM Ball Linked M80 (A143): The M240 Machine Gun requires this linked round, used against personnel and unarmored targets. Air Force procures this item through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges		P-1 Line Item Number / Title: 352010 / Cartridges
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>-5.56MM Blue Marking Cartridge (AC39): This round is used in force-on-force training of personnel in M16A2 and M4 rifles. It consists of a plastic projectile in a brass cartridge case. Air Force procures this item through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.</p> <p>-5.56MM Frangible (AA40): This is the primary training round for the Air Force and consists of a lead-free small rifle primer in a brass cartridge case. These cartridges are more environmentally friendly than standard 5.56MM ball cartridges. The case is made of reusable/recyclable brass, which is the same as 5.56MM ball ammunition. The 5.56MM frangible cartridges are used in M16-series rifles, which include M4 rifles. The Air Force procures this item through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.</p> <p>-9MM Frangible (AA16): This is the primary 9MM training round for the Air Force and is comprised of a primer in a brass cartridge along with a frangible projectile. The 9MM Frangible round is used in the M9, M11, M18, APC9K, Glock 19, and Glock 26. The Air Force procures this item from the U.S. Navy.</p> <p>-Items Less Than Five Million Dollars: All items have an annual procurement of less than 5,000,000 and are Code A.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>Overseas Operations Costs (OOC) funds this requirement in the amount of \$9,977 thousand for FY 2025 Budget Estimate. Overseas Operations Costs (OOC) are those financed with former Overseas Contingency Operations (OCO) funding.</p> <p>Funding for this exhibit contained in PEs 0207580F, 0207599F, 0208015F and 0208030F.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges						P-1 Line Item Number / Title: 352010 / Cartridges				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Small Cal/Ground Munitions				- / -	- / 52.583	- / 54.946	- / 57.523	- / -	- / 57.523
P-40a	Medium Cal Ammo				- / -	- / 64.481	- / 46.158	- / 65.271	- / -	- / 65.271
P-40	Total Gross/Weapon System Cost				- / -	- / 117.064	- / 101.104	- / 123.034	- / -	- / 123.034
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p><b>Justification:</b></p> <p>This program, Cartridges P-40A Category AMMUNITION CARTRIDGES Item (AB67) 5.56 MM PLASTIC, is a new start.</p> <p>This program, Cartridges P-40A Category AMMUNITION CARTRIDGES Item (AC42) 5.56 DYE MARKING ROUND BLUE LINKED, is a new start.</p> <p>This program, Cartridges P-40A Category AMMUNITION CARTRIDGES Item (AA82) CTG, 12 GAUGE FRANGIBLE, is a new start.</p> <p>This program, Cartridges P-40A Category AMMUNITION CARTRIDGES Item (B506) 40MM CTG GREEN SMOKE M175, is a new start.</p> <p>FY 2025 funds purchase small arms ammunition for use against personnel and unarmored targets; medium caliber ammunition used in aircraft gun systems against air-to-air, air-to-ground and light armored targets. Variations in final mix and quantities of these items to cover critical shortfalls to inventory objectives, as well as actual and planned expenditures, will be addressed during execution year.</p> <p>The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.</p> <p>MEDIUM CALIBER AMMO:</p> <p>-20MM PGU-28 (AA22): This procurement will fulfill WRM requirements. Current stockpile inventory is 49% of total inventory objective and has low combat use.</p> <p>-20MM PGU-27 (AA24): NEXT PROCUREMENT ACTION IS PROJECTED IN 2024</p> <p>-30MM PGU-15 (B116): Procurement of PGU-15 is critical to replenish of WRM stockpiles to support pilot training and proficiency. Current stockpile inventory is 48% of total inventory objective.</p> <p>-30MM PGU-13 (B104): Procurement of PGU-13 is critical to replenishment of WRM stockpiles to support training and combat operations. Current stockpile inventory is 37% of total inventory objective.</p> <p>-30MM Combat Mix (AC56) Current stockpile and scheduled deliveries will bring supportability to 93% by FY27.</p> <p>-30MM Urban Mix (AC29): Current stockpile is at 61% supportability.</p> <p>-25MM PGU-48/B (AB98): Current programmed procurements will fulfill WRM requirements. Current stockpile inventory is 21% of total inventory objective.</p> <p>-25MM PGU-23 (A978): NEXT PROCUREMENT ACTION IS PROJECTED IN 2024</p> <p>SMALL CALIBER/GROUND MUNITIONS:</p>										

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges		P-1 Line Item Number / Title: 352010 / Cartridges
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
See SMALL CAL/GROUND MUNITIONS P-40a		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12							P-1 Line Item Number / Title: 352010 / Cartridges								Aggregated Items Title: Small Cal/Ground Munitions					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
AMMUNITION CARTRIDGES																				
(A014) CTG, 12 GA SHOTGUN, 7-1//2 PLASTIC	A		-	-	-	0.000	55,556	0.025	0.000	56,818	0.025	0.000	23,810	0.010	-	-	-	0.000	23,810	0.010
(A011) CTG 12 GAUGE NO. 00 BUCKSHOT	A		-	-	-	0.000	133,333	0.100	0.000	133,333	0.100	0.000	78,313	0.065	-	-	-	0.000	78,313	0.065
(A017) CTG, 12 GA BUCKSHOT	A		-	-	-	0.000	31,250	0.025	-	-	0.000	0.000	27,778	0.010	-	-	-	0.000	27,778	0.010
(A062) CTG, 5.56MM BALL M855 LINKED	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
(A059) 5.56 BALL M855 CLIPPED	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
(A080) CTG, 5.56MM BLANK M200	A		-	-	-	0.000	3,529,412	0.600	0.000	2,608,696	0.600	0.000	2,307,692	0.600	-	-	-	0.000	2,307,692	0.600
(A091) CTG, .22 CAL LONG RIFLE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A131) CTG, 7.62MM BALL 4-1 LINKED	A		-	-	-	-	-	-	0.000	1,271,186	0.750	0.000	1,250,000	0.750	-	-	-	0.000	1,250,000	0.750
(A143) 7.62MM BALL LINKED (M80)	A		-	-	-	0.000	5,000,000	3.500	0.000	4,268,293	3.500	0.000	6,626,506	5.500	-	-	-	0.000	6,626,506	5.500
(A164) CTG, 7.62MM LINKED	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
(A246) CTG, .30 CAL BALL BULK	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A165) CARTRIDGE 7.62MM M80	A		-	-	-	-	-	-	0.000	714,286	0.400	0.000	701,754	0.400	-	-	-	0.000	701,754	0.400
(A257) CTG, 7.62MM 9-1 DIM TRACER	A		-	-	-	-	-	-	0.000	281,690	0.200	0.000	519,481	0.400	-	-	-	0.000	519,481	0.400
(A363) 9MM BALL NATO XM882 PISTOL	A		-	-	-	0.000	714,286	0.500	0.000	2,272,727	0.500	0.000	6,521,739	1.500	-	-	-	0.000	6,521,739	1.500
(A358) 9MM SUBCAL AT4 TRACER	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A404) CTG, .38 CAL SP BALL WADCUTTER	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A475) CTG, CAL .45 BALL M1911	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A482) CTG CAL .45 BALL WADCUTTER	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A483) CTG CAL .45 BALL M1911 MTCHGRD	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12						P-1 Line Item Number / Title: 352010 / Cartridges									Aggregated Items Title: Small Cal/Ground Munitions					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
(A552) CTG, .50 CAL BALL SINGLE ROUND, M33	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A555) CTG, CAL .50 BALL M2 LINKED	A		-	-	-	0.000	1,153,846	3.000	0.000	1,376,147	3.000	0.000	1,023,891	3.000	-	-	-	0.000	1,023,891	3.000
(A557) CTG, CAL .50 BALL/TRACER/ LINKED M2/M9	A		-	-	-	0.000	1,218,638	3.400	0.000	1,517,857	3.400	0.000	1,406,250	4.500	-	-	-	0.000	1,406,250	4.500
(A598) CTG CAL.50 BLNK CRMPD W/M9 LNK	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A606) CTG, CAL.50 API MK211 MOD 0	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A607) CTG, .50 CAL ARMOR PIERCING INCENDIARY	A		-	-	-	0.000	99,010	1.000	-	-	0.000	-	-	-	-	-	-	-	-	-
(AA02) CTG 5.56MM AP/TR M995/M856 4-1	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AA03) CTG. 7.62 M993 AP	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AA04) CTG. 7.62MM 4 AP M9331/1TR M62 W/LK M13	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AA11) CTG. 7.62 NATO M118 SPEC BALL	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
(AA16) 9 MILLIME CARTRIDGE FRANG	A		-	-	-	0.000	12,121,212	4.000	0.000	15,625,000	5.000	0.000	9,269,136	7.508	-	-	-	0.000	9,269,136	7.508
(AA40) 5.56 FRANGIBLE	A		-	-	-	0.000	43,181,818	19.000	0.000	45,120,000	20.304	0.000	38,461,538	20.000	-	-	-	0.000	38,461,538	20.000
(AA51) 12 GA NON-LETHAL PT-CONT	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AA52) 12 GA NON-LETHAL CROWD	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AA53) CTG 5.56 SPECIAL MK262 MOD 1	A		-	-	-	-	-	-	0.000	1,562,500	1.000	0.000	446,429	0.250	-	-	-	0.000	446,429	0.250
(AB10) 5.56 RED MARKING CARTRIDGES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AB13) 9MM BLUE MARKING CARTRIDGE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AB14) 9M RED MARKING CARTRIDGE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force																Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12						P-1 Line Item Number / Title: 352010 / Cartridges						Aggregated Items Title: Small Cal/Ground Munitions								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
(AB39) 7.62MM SPECIAL BALL, LONG RANGE	A		-	-	-	-	-	-	0.000	192,308	0.150	0.000	416,667	0.150	-	-	-	0.000	416,667	0.150
(HA29) 66MM HIGH EXP LITE ANTI TANK WEAPON	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(C995) AT-4 84MM ROCKET	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
(AB16) 5.56 BLUE MARKING CARTRIDGE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AB56) 5.56MM M855A1 LINKED LEAD FREE CART	A		-	-	-	0.000	711,538	0.370	0.000	1,000,000	0.370	-	-	-	-	-	-	-	-	-
(AB57) 5.56MM M855A1 CLIPPED, LEAD FREE	A		-	-	-	0.000	520,833	0.250	0.000	694,444	0.250	0.000	20,833	0.010	-	-	-	0.000	20,833	0.010
(AB46) 5.56MM SINGLE ROUND DUMMY	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AB47) 7.62MM DUMMY	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AB48) .50 CAL SINGLE DUMMY CART	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AB72) CTG, 7.62MM SINGLE ROUND BLANK (was A112)	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
(AB65) .50 Reduced Range	A		-	-	-	-	-	-	0.000	100,000	0.300	0.000	22,676	0.100	-	-	-	0.000	22,676	0.100
(AB67) 5.56 MM PLASTIC	A		-	-	-	-	-	-	-	-	-	0.000	729,927	1.000	-	-	-	0.000	729,927	1.000
(AB73) 5.56 M856 A1 LEAD FREE	A		-	-	-	0.000	847,458	0.500	0.000	833,333	0.500	-	-	-	-	-	-	-	-	-
(AB74) 5.56 TRACER ROUND	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
(AB75) 5.56 LINKDED M855A1/M86A1	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
(AC20) 9MM BALL	A		-	-	-	0.000	15,789,474	3.000	0.000	15,789,474	3.000	-	-	-	-	-	-	-	-	-
(AC21) 9MM HOLLOW POINT	A		-	-	-	0.000	1,818,182	0.400	0.000	1,818,182	0.400	-	-	-	-	-	-	-	-	-
(AC36) 9MM BLUE MARKING CARTRIDGE	A		-	-	-	-	-	-	0.000	687,692	0.447	0.000	833,333	0.500	-	-	-	0.000	833,333	0.500



UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force																Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12						P-1 Line Item Number / Title: 352010 / Cartridges						Aggregated Items Title: Small Cal/Ground Munitions								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
(AC37) 9MM RED MARKING CARTRIDGE	A		-	-	-	0.000	1,119,403	0.750	0.000	1,119,403	0.750	0.000	833,333	0.500	-	-	-	0.000	833,333	0.500
(AC39) 5.56 BLUE MARKING CARTRIDGE	A		-	-	-	0.000	3,947,368	3.000	0.000	4,347,826	3.000	0.000	6,896,552	4.000	-	-	-	0.000	6,896,552	4.000
(AC40) 5.56 RED MARKING CARTRIDGE	A		-	-	-	0.000	2,985,075	2.000	0.000	2,985,075	2.000	0.000	6,896,552	4.000	-	-	-	0.000	6,896,552	4.000
(AY04) CTG 12 GAGE BIRD SCARE	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
(AC42) 5.56 DYE MARKING ROUND BLUE LINKED	A		-	-	-	-	-	-	-	-	-	0.000	431,034	0.250	-	-	-	0.000	431,034	0.250
(B508) 40MM CTG GREEN SMOKE M175	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(B509) 40MM CTG YELLOW SMOKE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(B519) CARTRIDGE, 40MM PRACTICE M781	A		-	-	-	0.000	185,874	1.000	0.000	370,370	2.000	0.000	255,754	2.000	-	-	-	0.000	255,754	2.000
(B584) 40MM CART LINKED	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(B535) 40MM SWS M583	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(B542) 40 MIL CARTRIDGE HEDP	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
(B576) CTG, 40MM PRACTICE, LINKED, HIGH VELOCITY	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AIR FORCE SHOOTING TEAM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(BA21) 40MM PRACTICE, DAY/ NIGHT LINKED	A		-	-	-	0.000	55,556	1.500	0.000	111,111	3.000	0.000	20,080	0.250	-	-	-	0.000	20,080	0.250
(BA54) 40MM PRACTICE, DAY/ NIGHT LINKED	A		-	-	-	0.000	30,769	0.500	-	-	0.000	-	-	-	-	-	-	-	-	-
(AA82) CTG, 12 GAUGE FRANGIBLE	A		-	-	-	-	-	-	-	-	-	0.000	80,000	0.020	-	-	-	0.000	80,000	0.020
(CA30) 84MM M136A1 AT4CS RS	A		-	-	-	0.003	107	0.300	-	-	0.000	-	-	-	-	-	-	-	-	-
(B506) 40MM CTG GREEN SMOKE M175	A		-	-	-	-	-	-	-	-	-	0.000	1,604	0.250	-	-	-	0.000	1,604	0.250

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force																Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12						P-1 Line Item Number / Title: 352010 / Cartridges						Aggregated Items Title: Small Cal/Ground Munitions								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
(HB26) M72A8 LAW Fire From Enclosure (FFE) and NVD Mount	A		-	-	-	0.009	454	3.863	-	-	0.000	-	-	-	-	-	-	-	-	-
(LA51) SIMULATOR, SMALL ARMS FIRE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(LA52) SIMULATOR, SMALL ARMS FIRE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: AMMUNITION CARTRIDGES			-	-	-	-	-	52.583	-	-	54.946	-	-	57.523	-	-	-	-	-	57.523
Total			-	-	-	-	-	52.583	-	-	54.946	-	-	57.523	-	-	-	-	-	57.523

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

**Remarks:**  
All Ammunition Cartridges:  
Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain munitions items for the DoD Military Services purchasing the same or similar items. Cost drivers include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases). Prices can change based on contracts with Lake City Army Ammo Plant (LCAAP) and the planned procurements of other customers.

The Navy procures Frangible rounds such as DODIC AA16, 9MM for the Air Force and prices provided based on vendor estimates and AF and Navy combined planned procurements.

Small Cal/Ground Munitions:  
- FY2023 includes \$10,825 thousand in Overseas Operations Costs enacted budget.  
- FY2024 includes \$9,800 thousand for the Overseas Operations Costs budget request.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12							P-1 Line Item Number / Title: 352010 / Cartridges							Aggregated Items Title: Medium Cal Ammo						
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Medium Cal																				
(A931) 20MM, PGU -29	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(A978) CTG, 25MM, TP (PGU-23/U)	A		-	-	-	-	-	-	0.000	210,526	8.000	-	-	-	-	-	-	-	-	-
(AA22) 20MM, PGU-28 A/B Semi-AP, HEI	A		-	-	-	0.000	239,360	6.800	0.000	297,530	10.000	0.206	33	6.800	-	-	-	0.206	33	6.800
(AA11) 7.62MM, SP Ball M118	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
(AA24), 20MM, TP PGU-27 A/B	A		-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-
(AA94) 30MM, PGU-15	A		-	-	-	-	-	-	-	-	-	0.001	7,362	6.800	-	-	-	0.001	7,362	6.800
(AB18) 30MM, PGU-13 D/B	A		-	-	-	-	-	0.000	-	-	0.000	0.001	5,396	6.680	-	-	-	0.001	5,396	6.680
(AB98) 25MM PGU-48/B	A		-	-	-	0.000	89,162	14.381	-	-	0.000	0.000	73,297	9.610	-	-	-	0.000	73,297	9.610
(AC29) 30MM, URBAN MIX	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AC56) COMBAT MIX 2:1	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(B103) COMBAT MIX	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(B104) 30MM, PGU-13/B	A		-	-	-	0.000	246,125	15.000	-	-	-	0.000	199,488	15.581	-	-	-	0.000	199,488	15.581
(B116) 30MM PGU-15/B, TP	A		-	-	-	0.000	1,142,577	28.300	0.000	971,971	28.158	0.000	559,796	19.800	-	-	-	0.000	559,796	19.800
PMA	A		-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	-	-	-	-
Subtotal: Medium Cal			-	-	-	-	-	64.481	-	-	46.158	-	-	65.271	-	-	-	-	-	65.271
Total			-	-	-	-	-	64.481	-	-	46.158	-	-	65.271	-	-	-	-	-	65.271

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force

Date: March 2024

Appropriation / Budget Activity / Budget Sub Activity:  
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs

P-1 Line Item Number / Title:  
353020 / General Purpose Bombs

ID Code (A=Service Ready, B=Not Service Ready): A

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	147.580	142.118	144.725	-	144.725	180.868	176.829	180.713	184.293	-	1,157.126
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	147.580	142.118	144.725	-	144.725	180.868	176.829	180.713	184.293	-	1,157.126
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	147.580	142.118	144.725	-	144.725	180.868	176.829	180.713	184.293	-	1,157.126
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The following Weapon System Cost Elements are represented in this P-1 line:

- BLU-117/MK-84 is a 2,000lb class general purpose bomb. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used on the GBU-10 (PAVEWAY) and Joint Direct Attack Munition (GBU-31) weapon systems. The BLU-117 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA). The MK-84 is a tritonal-filled variant.
- BLU-111/MK-82 is a 500lb class general purpose bomb. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used on the GBU-12 (PAVEWAY) and Joint Direct Attack Munition (GBU-38/54) weapon systems. The BLU-111 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA). The MK-82 is a tritonal-filled variant.
- BLU-140 is a 500-lbs Penetrator, maintaining the Outer Mold Line of the MK-82 with an internal case designed for penetration. It can be employed as a general purpose/penetrator bomb delivered in the GBU-38 or GBU-54 configurations when combined with other Air Force commodities. BLU-140 has demonstrated improved effectiveness against certain hard targets, including multi-story and bunker-style targets, while increasing aircraft loadout capacity enabling more targets per sortie in the intended Areas of Responsibility (AORs). The weapon is employed by the two threshold airframes (F-16 and B-2), and objective airframes (any airframe compatible with the MK-82).
- BLU-109 warhead is a 2000lb hard target penetrator bomb used against bunkers, aircraft shelters, and reinforced concrete structures. The warhead is used on the GBU-10, 24, and 27 as well as Joint Direct Attack Munition (JDAM) GBU-31V3 weapon systems. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA). Variants are filled with tritonal or with a more Insensitive munitions (IM) compliant fill.
- BLU-137 Advanced 2,000lb Penetrator (A2K) is a weapon used against bunkers, aircraft shelters, and reinforced concrete structures and is compatible with the JDAM guidance tail kit. The BLU-137/B is an advanced/modernized design to the BLU-109 warhead with increased reliability and survivability to prosecute increased target sets.
- BLU-129/B Composite Case Warhead - Carbon fiber composite case for high near-field lethality to deliver 3x reduction in collateral damage. This item is procured through the Army Single Manager for

# UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs		P-1 Line Item Number / Title: 353020 / General Purpose Bombs
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
Conventional Ammunition (SMCA).  - BLU-138/GBU-72 Advanced 5,000lb Penetrator (A5K) has optimized performance against the Hard Target Munitions (HTM) Analysis of Alternatives (AoA) priority target set of tunnels and bunkers. With enhanced survivability, increased lethality, smart fuzing and utilization of fielded JDAM Navigation tailkits, the GBU-72 significantly improved performance reducing the number of weapons required to achieve a kill at lower AUR cost. A5K will replace the GBU-28.  - BSU-699 Kit is for production of ancillary components required to integrate the BLU-138/B Advanced 5K (A5K) warhead and KMU-556 JDAM Tail Kit Assembly (TKA) to form the GBU-72/B weapon system.  - MK-81 is a 250lb class general purpose bomb. The bomb is designed for soft, fragment sensitive targets, such as troops, POL, and radars. The item is procured through Army Single Manager for Conventional Ammunition (SMCA).  - Next Generation Area Attack Weapons (NGAAWs) are a family of unitary area attack weapons which meet the DoD policy on cluster munitions. It consists of both the BLU-134/B and BLU-136/B warheads with a height of burst sensor. The BLU-134/B, Improved Lethality Warhead (ILW), Next Generation Area Attack Weapon Increment I, is a 500lb area attack warhead with improved lethality against personnel and materiel targets. The unitary warhead meets DoD policy on cluster munitions. The BLU-136/B, Next Generation Area Attack Weapon Increment II, is a 2,000lb area attack warhead which, augmented by the BLU-134/B, provides for significant improved lethality against personnel and materiel targets and meets DoD policy on cluster munitions.  - Items Less Than Five Million Dollars: All items have an annual procurement of less than 5,000,000 and are Code A. These items may include but are not limited to IM, LWIP, WEAPS, lugs, pallets, etc.  - BDU-56: A 2,000-pound, non-explosive training shape, without internal plumbing, used to provide combat forces with aircrew weapons delivery training. The BDU-56 simulates the drop trajectory of a live MK-84/BLU-117. This item is procured through the Single Manager for Conventional Ammunition (SMCA).  - BDU-50: A 500-pound thick-wall cast ductile iron, non-explosive training shape used to provide combat air forces with aircrew weapons delivery training. The BDU-50 simulates the drop trajectory of a live MK-82/BLU-111. This item is procured through SMCA.  - MK-84 Inert : A 2,000-pound, non-explosive training shape, with internal plumbing, used to provide combat forces with aircrew weapons delivery training. The MK-84 Inert simulates the drop trajectory of a live MK-84/BLU-117. This item is procured through SMCA.  - MK-82 Inert : A 500-pound, non-explosive training shape, with internal plumbing, used to provide combat forces with aircrew weapons delivery training. The MK-82 Inert simulates the drop trajectory of a live MK-8/BLU-111. This item is procured through SMCA.  - BDU-33: A 25-pound, non-explosive, tear shaped, practice bomb used to simulate the 500 lb. MK-82/BLU-111 and 2000 lb. MK-84/BLU-117 general purpose, non-guided bombs in a low drag configuration. Upon impact the bomb drives a firing pin assembly against a primer activating the signal charge, permitting visual evaluation of accuracy. This item is procured through SMCA.  - MK4 Mod 3, Signal Cartridge: The cartridge consists of an aluminum case. The rim end has a percussion primer, and the opposite end is sealed with an aluminum disk. The cartridge produces a flash of light and a puff of smoke. The MK4 Mod 3 is primarily used for night operations as a visual indication of bomb impact and fuze function. This item is procured through SMCA.  - CXU-3A/B, Signal Cartridge: The cartridge consists of an aluminum case. The rim end has a percussion primer, and the opposite end is sealed with an aluminum disk. The cartridge produces a dense, white smoke display. The CXU-3A/B is primarily used for day operations as a visual indication of bomb impact and fuze function. This item is procured through SMCA.  Funds may be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs		P-1 Line Item Number / Title: 353020 / General Purpose Bombs
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>These funds may also procure inventoried items which may not be procured on an annual basis and could be required on an emerging basis. Variations to cover critical shortfalls to inventory objectives as well as actual and planned expenditures will be addressed during execution year. Examples include, but are not limited to, BDU-56/B, BDU-50C/B, MK-84 Inert, BDU-33, MK4 Mod 3 Signal Cartridge, and CXU-3A/B Signal Cartridge.</p> <p>Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.</p> <p>Funding for this exhibit is contained in PEs 0208030F and 0207599F.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs						P-1 Line Item Number / Title: 353020 / General Purpose Bombs				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	GENERAL PURPOSE BOMBS				- / -	- / 101.778	- / 78.900	- / 96.725	- / -	- / 96.725
P-40a	PRACTICE BOMBS				- / -	- / 45.802	- / 63.218	- / 48.000	- / -	- / 48.000
P-40	Total Gross/Weapon System Cost				- / -	- / 147.580	- / 142.118	- / 144.725	- / -	- / 144.725
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p><b>Justification:</b> FY 2025 funds purchase 250, 500, 1,000, 2,000, and 5,000 pound conventional general purpose bombs, guidance and control kits, and energetics to provide precision bombing capability. In addition, funds may be used for equipment or support required to enhance production line capacity as required for inventory replenishment, as well as obsolescence and deficiency corrections. These weapons are used to defeat non-hard, hardened and deeply buried targets, bunkers, aircraft shelters, reinforced concrete structures and various armored targets. Built up with assorted componentry, the bombs can also be employed as Joint Direct Attack Munitions or Laser Guided Bombs.</p> <p>Funds may be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.</p> <p>This program leverages Digital acquisition tenets of open, agile, and digital. Invests in analytical, information management, data management, digital environments, networks, facilities, and security infrastructure upgrades directly supporting development and sustainment of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions.</p> <p>The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.</p> <p>Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.</p> <p>Procurement/Replenishment is required to maintain readiness objectives and worldwide war reserve materiel (WRM) stockpiles to support requirements for penetrator bombs, low collateral damage bombs, and multiple precision guided bomb configurations as determined by the non-nuclear consumables annual analysis (NCAA), to execute DoD approved combat plans and training requirements.</p>										



UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13							P-1 Line Item Number / Title: 353020 / General Purpose Bombs							Aggregated Items Title: GENERAL PURPOSE BOMBS						
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware																				
BLU-129	A		-	-	-	-	-	0.000	-	-	0.000	-	-	10.000	-	-	-	-	-	10.000
BLU-136	A		-	-	-	0.067	703	47.100	0.061	574	35.000	0.063	556	35.000	-	-	-	0.063	556	35.000
BLU-137	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
BLU-138	A		-	-	-	0.331	80	26.489	0.263	100	26.293	0.235	125	29.325	-	-	-	0.235	125	29.325
BLU-140	A		-	-	-	-	-	1.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
BSU-699 Kit	A		-	-	-	-	-	0.000	-	-	2.000	-	-	2.000	-	-	-	-	-	2.000
Energetics	A		-	-	-	-	-	0.000	-	-	0.000	-	-	4.000	-	-	-	-	-	4.000
Lugs	A		-	-	-	-	-	1.000	-	-	1.500	-	-	1.500	-	-	-	-	-	1.500
Nose Plugs	A		-	-	-	-	-	1.000	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
Support Cups	A		-	-	-	-	-	0.000	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
MK-84 Fins	A		-	-	-	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
BSU-33 Fins	A		-	-	-	-	-	1.500	-	-	1.500	-	-	1.400	-	-	-	-	-	1.400
Program Support Costs (PSC)	A		-	-	-	-	-	2.589	-	-	1.707	-	-	2.300	-	-	-	-	-	2.300
DOTC Efforts	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
WEAPS	A		-	-	-	-	-	2.700	-	-	3.000	-	-	3.300	-	-	-	-	-	3.300
LWIP	A		-	-	-	-	-	3.000	-	-	3.000	-	-	3.000	-	-	-	-	-	3.000
IM	A		-	-	-	-	-	1.900	-	-	1.900	-	-	1.900	-	-	-	-	-	1.900
Bomb Fuze Protection	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
China Lake Engineering Support	A		-	-	-	-	-	0.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
Lifetime Pipe Buy	A		-	-	-	-	-	12.500	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Hardware			-	-	-	-	-	101.778	-	-	78.900	-	-	96.725	-	-	-	-	-	96.725
Total			-	-	-	-	-	101.778	-	-	78.900	-	-	96.725	-	-	-	-	-	96.725

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Remarks:  
Program Support Costs (PSC) Other Government Costs: Travel, Government Purchase Card (GPC), Program Support Personnel.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13							P-1 Line Item Number / Title: 353020 / General Purpose Bombs								Aggregated Items Title: PRACTICE BOMBS					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware																				
(ED96) BDU-56D/B	A		-	-	-	-	-	8.642	-	-	22.000	-	-	25.000	-	-	-	-	-	25.000
(E756) BDU-50/B	A		-	-	-	-	-	34.500	-	-	37.718	-	-	20.000	-	-	-	-	-	20.000
(F262) MK-84 Inert Prac Bomb	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
(E969) BDU-33	A		-	-	-	-	-	0.900	-	-	1.500	-	-	1.500	-	-	-	-	-	1.500
(F562) MK 4 MOD 3 Signal Cart	A		-	-	-	-	-	0.750	-	-	1.000	-	-	0.750	-	-	-	-	-	0.750
(F470) CXU-3A/B Signal Cart	A		-	-	-	-	-	1.010	-	-	1.000	-	-	0.750	-	-	-	-	-	0.750
Transportation Costs	A		-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Subtotal: Hardware			-	-	-	-	-	45.802	-	-	63.218	-	-	48.000	-	-	-	-	-	48.000
Total			-	-	-	-	-	45.802	-	-	63.218	-	-	48.000	-	-	-	-	-	48.000

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs							P-1 Line Item Number / Title: 353190 / Massive Ordnance Penetrator (MOP)					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 527												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	1.527	14.074	8.566	-	8.566	0.000	0.000	0.000	0.000	-	24.167
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	1.527	14.074	8.566	-	8.566	0.000	0.000	0.000	0.000	-	24.167
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	1.527	14.074	8.566	-	8.566	0.000	0.000	0.000	0.000	-	24.167
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Massive Ordnance Penetrator (MOP) is a 30,000 lb class precision-guided penetrator designed to defeat hard and deeply buried targets.

Funding is for non-recurring engineering, analysis and studies, integration, test, qualification, production readiness and operational readiness of engineering change proposals to resolve safety, reliability or other operational deficiencies, decrease weapon system cost, preserve future production capabilities and capacities, and meet Congressional, National Agency and Defense Department mandates.

Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. For example through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, energetics, and qualification activities to preserve future production capabilities and capacities.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

Funding for this exhibit is contained in PE 0208030F, project 353190.

The FY 2025 funding request was reduced by \$.202 million to account for the availability of prior year execution balances.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs						P-1 Line Item Number / Title: 353190 / Massive Ordnance Penetrator (MOP)				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 527										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Massive Ordnance Penetrator (MOP)		A		- / -	- / 1.527	- / 14.074	- / 8.566	- / -	- / 8.566
P-40	Total Gross/Weapon System Cost				- / -	- / 1.527	- / 14.074	- / 8.566	- / -	- / 8.566
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY 2025 funding request includes any Diminishing Manufacturing Source and Material Shortages (DMSMS) to include MOP's Actuator Controller Electronic Control Unit (ECU), joint mission computer, SABR-Y (GPS receiver), Inertial Measurement Unit (IMU) power supply card, Fuze Interface Electronics (FIE) Box Assembly, Electromagnetic Interface (EMI) Filer Box Assembly, and procurement of MOP assets for warheads, guidance kits, fuzes, and associated support equipment.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Air Force													Date: March 2024								
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13							P-1 Line Item Number / Title: 353190 / Massive Ordnance Penetrator (MOP)							Item Number / Title [DODIC]: Massive Ordnance Penetrator (MOP)							
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
Procurement Quantity (Units in Each)				-			-			-			-			-			-		
Gross/Weapon System Cost (\$ in Millions)				-			1.527			14.074			8.566			-			8.566		
Less PY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Net Procurement (P-1) (\$ in Millions)				-			1.527			14.074			8.566			-			8.566		
Plus CY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Total Obligation Authority (\$ in Millions)				-			1.527			14.074			8.566			-			8.566		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares (\$ in Millions)				-			-			-			-			-			-		
Gross/Weapon System Unit Cost (\$ in Millions)				-			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total					
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Hardware - Massive Ordnance Penetrator (MOP) Cost																					
Recurring Cost																					
MOP Equipment	-	-	-	-	-	0.100	-	-	12.824	-	-	7.365	-	-	-	-	-	7.365			
Subtotal: Recurring Cost	-	-	-	-	-	0.100	-	-	12.824	-	-	7.365	-	-	-	-	-	7.365			
Subtotal: Hardware - Massive Ordnance Penetrator (MOP) Cost	-	-	-	-	-	0.100	-	-	12.824	-	-	7.365	-	-	-	-	-	7.365			
Support - Massive Ordnance Penetrator (MOP) Cost Cost																					
Program Support Costs (PSC) Contractor Services	-	-	-	-	-	1.327	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000			
PSC Other Government Costs	-	-	-	-	-	0.100	-	-	0.250	-	-	0.201	-	-	-	-	-	0.201			
Subtotal: Support - Massive Ordnance Penetrator (MOP) Cost Cost	-	-	-	-	-	1.427	-	-	1.250	-	-	1.201	-	-	-	-	-	1.201			
Gross/Weapon System Cost	-	-	-	-	-	1.527	-	-	14.074	-	-	8.566	-	-	-	-	-	8.566			
Remarks: FY2024 to FY2025 hardware MOP funding decreased due to DMS scope reduction.																					

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force

Date: March 2024

Appropriation / Budget Activity / Budget Sub Activity:  
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs

P-1 Line Item Number / Title:  
353620 / Joint Direct Attack Munition

ID Code (A=Service Ready, B=Not Service Ready): A

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: 503

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	337,376	5,345	1,772	1,500	-	1,500	1,500	1,500	1,500	1,500	-	351,993
Gross/Weapon System Cost (\$ in Millions)	8,554.389	251.956	132.364	125.268	-	125.268	127.838	130.318	132.969	135.625	0.000	9,590.727
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	8,554.389	251.956	132.364	125.268	-	125.268	127.838	130.318	132.969	135.625	0.000	9,590.727
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	8,554.389	251.956	132.364	125.268	-	125.268	127.838	130.318	132.969	135.625	0.000	9,590.727

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	0.025	0.047	0.075	0.084	-	0.084	0.085	0.087	0.089	0.090	-	0.027

Description:

The Joint Direct Attack Munition (JDAM) program is a joint Air Force/Navy program with the Air Force as the lead service. Designated ACAT 1C, this program upgrades the existing inventory of general purpose bombs by integrating the bombs with a field installed guidance kit using a Global Positioning System-aided Inertial Navigation System (GPS/INS). JDAM provides an accurate, adverse weather capability. JDAM is integrated with the B-52H, B-2A, B-1B, F-16 (all variants), F/A-18A+/C/D/E/F, F-15E, AV-8B, A-10C and F-22A aircraft. Integration with the MQ-9 and F-35 are in progress.

The Air Force is currently procuring Strategic Anti-Jam Beamforming Receiver Y-Code (SABR-Y) guidance kits which are enhanced GPS-denied environment guidance systems. Leveraging the SABR-Y follow-on requirement, the Air Force is developing M-Code (SABR-M) capable guidance kits to meet Section 913 of the National Defense Authorization Act for FY 2011 (Public Law 111-383) M-Code GPS requirements starting with the FY2024 award to Lot 28 for production. The M-Code Phase 3 project is integrating the Anti-Jam Application Specific Integrated Circuit (AJ ASIC) based M-Code Enhanced Anti-Jam Receiver (EAJR) JDAM onto representative launch platform(s). This effort focuses on qualification and testing of production representative M-Code weapon system hardware and software along with planning for the transition to production.

Pursuant to section 2308 of Title 10, U.S. Code, this program will seek cost efficiencies where available through production lot negotiations. This program will continue procurement past FY2029 due to evolving warfighter requirements driven by ongoing combat and training expenditures.

Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.

Funds may be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.

Funding for this exhibit is contained in PE 0207583F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs						P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 503										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Joint Direct Attack Munition	P-5a, P-21	A		337,376 / 8,554.389	5,345 / 251.956	1,772 / 132.364	1,500 / 125.268	- / -	1,500 / 125.268
P-40	Total Gross/Weapon System Cost				337,376 / 8,554.389	5,345 / 251.956	1,772 / 132.364	1,500 / 125.268	- / -	1,500 / 125.268
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY 2025 budget request will procure approximately 1,500 JDAM guidance kits.

This program procures JDAM guidance kits, laser sensors, airborne test equipment, and supporting activities to include software block upgrades, integration, Program Support Costs (PSC), and other technical services. The hardware purchase includes a mixture of JDAM guidance kits as well as precision laser guidance sensors, and airborne test equipment for flight test.

This procurement is critical to providing M-Code capable guidance kits which are enhanced GPS-denied environment guidance systems in support of an increased Inventory Objective.

Procurement quantities can change based on negotiated options/pricing curves, economies of scale, and available funding, in accordance with Title 10, U.S. Code Section 2308 BUY-TO-BUDGET ACQUISITION.



## UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Air Force												Date: March 2024									
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition						Item Number / Title [DODIC]: Joint Direct Attack Munition									
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
Procurement Quantity <i>(Units in Each)</i>				337,376			5,345			1,772			1,500			-			1,500		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				8,554.389			251.956			132.364			125.268			-			125.268		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				8,554.389			251.956			132.364			125.268			-			125.268		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				8,554.389			251.956			132.364			125.268			-			125.268		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				0.025			0.047			0.075			0.084			-			0.084		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements		Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total				
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)		
Hardware - END ITEM Cost																					
Recurring Cost																					
JDAM TAIL KIT <sup>(†)</sup>	0.023	337,376	7,650.714	0.041	5,345	217.444	0.054	1,772	95.000	0.056	1,500	83.911	-	-	-	0.056	1,500	83.911			
LASER SENSOR	0.013	36,759	465.860	-	-	0.000	0.015	600	9.182	0.015	125	1.836	-	-	-	0.015	125	1.836			
Subtotal: Recurring Cost	-	-	8,116.574	-	-	217.444	-	-	104.182	-	-	85.747	-	-	-	-	-	85.747			
Subtotal: Hardware - END ITEM Cost	-	-	8,116.574	-	-	217.444	-	-	104.182	-	-	85.747	-	-	-	-	-	85.747			
Ancillary Equipment - TEST EQUIPMENT Cost																					
Recurring Cost																					
AIRBORNE TEST EQUIPMENT	-	-	106.456	-	-	0.000	-	-	10.061	-	-	11.559	-	-	-	-	-	11.559			
Subtotal: Recurring Cost	-	-	106.456	-	-	0.000	-	-	10.061	-	-	11.559	-	-	-	-	-	11.559			
Subtotal: Ancillary Equipment - TEST EQUIPMENT Cost	-	-	106.456	-	-	0.000	-	-	10.061	-	-	11.559	-	-	-	-	-	11.559			
Support - END ITEM SUPPORT Cost																					
SUSTAINING ENGINEERING	-	-	266.347	-	-	29.357	-	-	15.784	-	-	23.612	-	-	-	-	-	23.612			
PSC Other Government Costs	-	-	65.012	-	-	0.367	-	-	0.200	-	-	0.732	-	-	-	-	-	0.732			
PSC Contractor Services	-	-	0.000	-	-	4.788	-	-	2.137	-	-	3.618	-	-	-	-	-	3.618			
Subtotal: Support - END ITEM SUPPORT Cost	-	-	331.359	-	-	34.512	-	-	18.121	-	-	27.962	-	-	-	-	-	27.962			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Air Force												Date: March 2024						
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition						Item Number / Title [DODIC]: Joint Direct Attack Munition						
ID Code (A=Service Ready, B=Not Service Ready) : A									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	0.025	337,376	8,554.389	0.047	5,345	251.956	0.075	1,772	132.364	0.084	1,500	125.268	-	-	-	0.084	1,500	125.268

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2025 Air Force									Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13				P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition					Item Number / Title [DODIC]: Joint Direct Attack Munition			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
JDAM TAIL KIT <sup>(†)</sup>		2021	BOEING / ST CHARLES, MO	SS / FFP	AFLCMC Hill AFB	Feb 2021	Feb 2022	7,100	0.039	Y		Aug 2017
JDAM TAIL KIT <sup>(†)</sup>		2023	BOEING / ST CHARLES, MO	SS / FFP	AFLCMC Hill AFB	Feb 2023	Feb 2024	5,345	0.041	Y		Aug 2017
JDAM TAIL KIT <sup>(†)</sup>		2024	BOEING / ST CHARLES, MO	SS / FPIF	AFLCMC Hill AFB	Feb 2024	Feb 2025	1,772	0.054	Y		Feb 2022
JDAM TAIL KIT <sup>(†)</sup>		2025	BOEING / ST CHARLES, MO	SS / FPIF	AFLCMC Hill AFB	Feb 2025	Feb 2026	1,500	0.056	Y		Feb 2022

<sup>(†)</sup> indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2025 Air Force																				Date: March 2024													
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13										P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition										Item Number / Title [DODIC]: Joint Direct Attack Munition													
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2021										Fiscal Year 2022													B A L A N C E			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT				Calendar Year 2021										Calendar Year 2022													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P		
JDAM TAIL KIT																																	
Prior Years Deliveries: 330276																																	
	1	2021	AF <sup>(1)</sup>	7.100	.000	7.100				A -	-	-	-	-	-	-	-	-	-	-	-	-	4.736	-	-	-	-	-	-	-	2.364		
	1	2021	FMS <sup>(‡)</sup> (2)	3.348	.000	3.348				A -	-	-	-	-	-	-	-	-	-	-	-	-	2.232	-	-	-	-	-	-	-	1.116		
	1	2021	NAVY <sup>(‡)</sup> (3)	2.982	.000	2.982				A -	-	-	-	-	-	-	-	-	-	-	-	-	1.964	-	-	-	-	-	-	-	1.018		
	1	2021	Total	13.430	.000	13.430				-	-	-	-	-	-	-	-	-	-	-	-	-	8.932	-	-	-	-	-	-	-	4.498		
	1	2023	AF	5.345	.000	5.345																										5.345	
	1	2023	FMS <sup>(‡)</sup>	1.646	.000	1.646																										1.646	
	1	2023	NAVY <sup>(‡)</sup>	1.660	.000	1.660																										1.660	
	1	2023	Total	8.651	.000	8.651																										8.651	
	1	2024	AF	1.772	.000	1.772																										1.772	
	1	2024	FMS <sup>(‡)</sup>	2.000	.000	2.000																										2.000	
	1	2024	NAVY <sup>(‡)</sup>	1.600	.000	1.600																										1.600	
	1	2024	Total	5.372	.000	5.372																										5.372	
	1	2025	AF	1.500	.000	1.500																										1.500	
	1	2025	FMS <sup>(‡)</sup>	1.600	.000	1.600																										1.600	
	1	2025	NAVY <sup>(‡)</sup>	2.000	.000	2.000																										2.000	
	1	2025	Total	5.100	.000	5.100																										5.100	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2025 Air Force																							Date: March 2024													
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13										P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition													Item Number / Title [DODIC]: Joint Direct Attack Munition													
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2023												Fiscal Year 2024												B A L A N C E					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2022	BAL DUE AS OF 1 OCT				Calendar Year 2023												Calendar Year 2024														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
JDAM TAIL KIT																																				
Prior Years Deliveries: 330276																																				
	1	2021	AF <sup>(1)</sup>	7.100	4.736	2.364	.592	.592	.592	.588																						.000				
	1	2021	FMS <sup>(‡)</sup> (2)	3.348	2.232	1.116	.279	.279	.279	.279																						.000				
	1	2021	NAVY <sup>(‡)</sup> (3)	2.982	1.964	1.018	.246	.246	.246	.280																						.000				
	1	2021	Total	13.430	8.932	4.498	1.117	1.117	1.117	1.147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000					
	1	2023	AF	5.345	.000	5.345					A -	-	-	-	-	-	-	-	-	-	-	-	.445	.445	.445	.445	.445	.445	.445	.445	1.785					
	1	2023	FMS <sup>(‡)</sup>	1.646	.000	1.646					A -	-	-	-	-	-	-	-	-	-	-	-	.137	.138	.137	.138	.137	.137	.137	.137	.548					
	1	2023	NAVY <sup>(‡)</sup>	1.660	.000	1.660					A -	-	-	-	-	-	-	-	-	-	-	-	.138	.139	.138	.139	.138	.139	.138	.139	.552					
	1	2023	Total	8.651	.000	8.651					-	-	-	-	-	-	-	-	-	-	-	-	.720	.722	.720	.722	.720	.721	.720	.721	2.885					
	1	2024	AF	1.772	.000	1.772															A -				-	-	-	-	-	-	-	-	1.772			
	1	2024	FMS <sup>(‡)</sup>	2.000	.000	2.000															A -				-	-	-	-	-	-	-	-	2.000			
	1	2024	NAVY <sup>(‡)</sup>	1.600	.000	1.600															A -				-	-	-	-	-	-	-	-	1.600			
	1	2024	Total	5.372	.000	5.372															-				-	-	-	-	-	-	-	-	5.372			
	1	2025	AF	1.500	.000	1.500																										1.500				
	1	2025	FMS <sup>(‡)</sup>	1.600	.000	1.600																										1.600				
	1	2025	NAVY <sup>(‡)</sup>	2.000	.000	2.000																										2.000				
	1	2025	Total	5.100	.000	5.100																										5.100				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2025 Air Force																							Date: March 2024												
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13										P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition													Item Number / Title [DODIC]: Joint Direct Attack Munition												
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2025												Fiscal Year 2026													BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT				Calendar Year 2025												Calendar Year 2026													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
JDAM TAIL KIT																																			
Prior Years Deliveries: 330276																																			
	1	2021	AF <sup>(1)</sup>	7.100	7.100	.000																													.000
	1	2021	FMS <sup>(‡)</sup> (2)	3.348	3.348	.000																													.000
	1	2021	NAVY <sup>(‡)</sup> (3)	2.982	2.982	.000																													.000
	1	2021	Total	13.430	13.430	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000					
	1	2023	AF	5.345	3.560	1.785	.445	.445	.445	.450																					.000				
	1	2023	FMS <sup>(‡)</sup>	1.646	1.098	.548	.137	.137	.137	.137																					.000				
	1	2023	NAVY <sup>(‡)</sup>	1.660	1.108	.552	.138	.138	.138	.138																					.000				
	1	2023	Total	8.651	5.766	2.885	.720	.720	.720	.725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000					
	1	2024	AF	1.772	.000	1.772	-	-	-	-	.147	.147	.147	.147	.148	.148	.148	.148	.148	.148	.148											.000			
	1	2024	FMS <sup>(‡)</sup>	2.000	.000	2.000	-	-	-	-	.166	.166	.166	.166	.167	.167	.167	.167	.167	.167	.167											.000			
	1	2024	NAVY <sup>(‡)</sup>	1.600	.000	1.600	-	-	-	-	.133	.133	.133	.133	.133	.133	.133	.133	.134	.134	.134	.134											.000		
	1	2024	Total	5.372	.000	5.372	-	-	-	-	.446	.446	.446	.446	.448	.448	.448	.448	.449	.449	.449	.449	-	-	-	-	-	-	-	-	.000				
	1	2025	AF	1.500	.000	1.500					A -	-	-	-	-	-	-	-	-	-	-	.126	.126	.126	.126	.126	.126	.126	.126	.492					
	1	2025	FMS <sup>(‡)</sup>	1.600	.000	1.600					A -	-	-	-	-	-	-	-	-	-	-	.133	.133	.133	.133	.133	.133	.133	.133	.536					
	1	2025	NAVY <sup>(‡)</sup>	2.000	.000	2.000					A -	-	-	-	-	-	-	-	-	-	-	.166	.166	.166	.166	.167	.167	.167	.167	.668					
	1	2025	Total	5.100	.000	5.100					-	-	-	-	-	-	-	-	-	-	-	.425	.425	.425	.425	.425	.426	.426	.426	.426	1.696				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2025 Air Force																							Date: March 2024											
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13										P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition													Item Number / Title [DODIC]: Joint Direct Attack Munition											
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2027												Fiscal Year 2028												BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT				Calendar Year 2027												Calendar Year 2028												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
JDAM TAIL KIT																																		
Prior Years Deliveries: 330276																																		
	1	2021	AF <sup>(1)</sup>		7.100	7.100	.000																										.000	
	1	2021	FMS <sup>(‡)</sup> (2)		3.348	3.348	.000																										.000	
	1	2021	NAVY <sup>(‡)</sup> (3)		2.982	2.982	.000																										.000	
	1	2021	Total		13.430	13.430	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000			
	1	2023	AF		5.345	5.345	.000																										.000	
	1	2023	FMS <sup>(‡)</sup>		1.646	1.646	.000																										.000	
	1	2023	NAVY <sup>(‡)</sup>		1.660	1.660	.000																										.000	
	1	2023	Total		8.651	8.651	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000			
	1	2024	AF		1.772	1.772	.000																										.000	
	1	2024	FMS <sup>(‡)</sup>		2.000	2.000	.000																										.000	
	1	2024	NAVY <sup>(‡)</sup>		1.600	1.600	.000																										.000	
	1	2024	Total		5.372	5.372	.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000			
	1	2025	AF		1.500	1.008	.492	.127	.127	.127	.111																					.000		
	1	2025	FMS <sup>(‡)</sup>		1.600	1.064	.536	.134	.134	.134	.134																					.000		
	1	2025	NAVY <sup>(‡)</sup>		2.000	1.332	.668	.167	.167	.167	.167																					.000		
	1	2025	Total		5.100	3.404	1.696	.428	.428	.428	.412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.000			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2025 Air Force									Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13					P-1 Line Item Number / Title: 353620 / Joint Direct Attack Munition				Item Number / Title [DODIC]: Joint Direct Attack Munition			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2025	1-8-5 For 2025	MAX For 2025	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	BOEING - ST CHARLES, MO	1,500	18,900	25,000	0	0	0	0	0	5	12	17

**Remarks:**  
Minimum Sustainment Rate (MSR) includes US Air Force, US Navy and Foreign Military Sales (FMS) procurement.

(±) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

(1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2022 loaded in the month of first delivery.

(2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2022 loaded in the month of first delivery.

(3) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2022 loaded in the month of first delivery.



UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs							P-1 Line Item Number / Title: 354040 / B-61					
ID Code (A=Service Ready, B=Not Service Ready): B				Program Elements for Code B Items: 0101125F					Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 468												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.000	0.068	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.068
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	0.068	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.068
Plus CY Advance Procurement (\$ in Millions)	-	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	0.000
Total Obligation Authority (\$ in Millions)	-	0.000	0.068	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.068
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: B61-12 Tailkit Assembly (WSC 354040) concluded funding in FY22. FY24-27 activities moved to new WSC 354050 (B61-12 Trainers). FY24 \$0.068M will be removed via a technical adjustment in the FY24 appropriation.  Background: The purpose of this program is to conduct and support United States Air Force (USAF) and Joint Department of Defense (DoD) / Department of Energy (DOE) acquisition activities for the modernization of nuclear weapons.  B61-12 Life Extension Program (LEP): The B61-12 LEP will integrate DOE efforts to extend the service life if the warhead with DoD efforts to develop a guided Tail Kit Assembly (TKA) required to maintain current B61 mission characteristics. Programmatic integration of the Air Force-led, joint DoD-DOE program is accomplished through the B61 LEP Project Officers Group (POG) and its subgroups. In accordance with Air Force Materiel Command mission assignment memo (dated 17 Feb 11) and National Nuclear Security Administration (NNSA)-Air Force Nuclear Weapons Center (AFNWC) Memorandum of Understanding (MOU, dated 28 Jun 12), the USAF is responsible for development, acquisition and delivery of a guided TKA and for All Up Round (AUR) technical integration, system qualification and fielding of the B61-12 variant on multiple platforms. The production effort for the B61 TKA includes the production and delivery of TKAs, accessories, spares, ancillary equipment, Code Management System equipment, TKA and AUR trainers, lot acceptance test assets, and support. The B61 Developmental Test program is complete. Milestone C approved October 2018; the Milestone Decision Authority (MDA) approved proceeding into LRIP/Lot 1, as well as Lot 2 Advanced Procurement in support of Full Rate Production. Initial Operational Test and Evaluation activities were completed in 1QFY20; the DOT&E Beyond Low Rate Initial Production final report was published in September 2020. The Full Rate Production decision was approved by the MDA on 19 Oct 20, which included an additional 60 units to fulfill the 90/10/2 surveillance requirements.  The program also plans to use some funds to evaluate Diminishing Manufacturing Sources (DMS) material shortages, obsolescence issues, and reliability improvement, including flight testing.  Funding for this exhibit contained in PE 0101125F.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force							Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs					P-1 Line Item Number / Title: 354040 / B-61					
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0101125F			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 468										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	B-61		B		- / -	- / 0.000	- / 0.068	- / 0.000	- / -	- / 0.000
P-40	Total Gross/Weapon System Cost				- / -	- / 0.000	- / 0.068	- / 0.000	- / -	- / 0.000
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
The B61-12 LEP TKA program is in Full Rate Production and executing contracts for build and delivery of two production lots.

No FY 2025 funding requested.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Air Force													Date: March 2024								
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13							P-1 Line Item Number / Title: 354040 / B-61						Item Number / Title [DODIC]: B-61								
ID Code (A=Service Ready, B=Not Service Ready) : B										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
Procurement Quantity ( <i>Units in Each</i> )				-			-			-			-			-			-		
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-			0.000			0.068			0.000			-			0.000		
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-			0.000			0.068			0.000			-			0.000		
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-			0.000			0.000			0.000			-			0.000		
Total Obligation Authority ( <i>\$ in Millions</i> )				-			0.000			0.068			0.000			-			0.000		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total					
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Hardware - B-21 Cost																					
Recurring Cost																					
TKA Trainers	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000			
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000			
Subtotal: Hardware - B-21 Cost	-	-	-	-	-	-	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000			
Hardware - B61 Cost																					
Recurring Cost																					
Hardware End Item (TKA)	-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-			
TKA Trainers	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-	0.000			
Subtotal: Recurring Cost	-	-	-	-	-	0.000	-	-	-	-	-	0.000	-	-	-	-	-	0.000			
Subtotal: Hardware - B61 Cost	-	-	-	-	-	0.000	-	-	-	-	-	0.000	-	-	-	-	-	0.000			
Support - B61 Cost																					
PMA	-	-	-	-	-	-	-	-	0.068	-	-	0.000	-	-	-	-	-	0.000			
Subtotal: Support - B61 Cost	-	-	-	-	-	-	-	-	0.068	-	-	0.000	-	-	-	-	-	0.000			
Gross/Weapon System Cost	-	-	-	-	-	0.000	-	-	0.068	-	-	0.000	-	-	-	-	-	0.000			
Remarks: B61-12 Tailkit Assembly (WSC 354040) concluded funding in FY22. FY24-27 activities moved to new WSC 354050 (B61-12 Trainers). FY24 \$0.068M will be removed via a technical adjustment in the FY24 appropriation.																					

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

## UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Air Force										<b>Date:</b> March 2024		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs							<b>P-1 Line Item Number / Title:</b> 354050 / B61-12 Trainer					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B				<b>Program Elements for Code B Items:</b> 0101125F				<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	0.000	10.100	11.665	-	11.665	11.829	5.865	0.000	0.000	-	39.459
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	0.000	10.100	11.665	-	11.665	11.829	5.865	0.000	0.000	-	39.459
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	<b>0.000</b>	<b>10.100</b>	<b>11.665</b>	-	<b>11.665</b>	<b>11.829</b>	<b>5.865</b>	<b>0.000</b>	<b>0.000</b>	-	<b>39.459</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	2.138	-	-	-	-	-	-	-	-	2.138
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b> Previous B61 efforts were accomplished in WSC 354040.</p> <p>The purpose of this program is to conduct and support United States Air Force (USAF) and Joint Department of Defense (DoD) / Department of Energy (DOE) acquisition activities for the modernization of nuclear weapons.</p> <p>Background: B61-12 Life Extension Program (LEP): The B61-12 LEP will integrate DOE efforts to extend the service life if the warhead with DoD efforts to develop a guided Tail Kit Assembly (TKA) required to maintain current B61 mission characteristics. Programmatic integration of the Air Force-led, joint DoD-DOE program is accomplished through the B61 LEP Project Officers Group (POG) and its subgroups. In accordance with Air Force Materiel Command mission assignment memo (dated 17 Feb 11) and National Nuclear Security Administration (NNSA)-Air Force Nuclear Weapons Center (AFNWC) Memorandum of Understanding (MOU, dated 28 Jun 12), the USAF is responsible for development, acquisition and delivery of a guided TKA and for All Up Round (AUR) technical integration, system qualification and fielding of the B61-12 variant on multiple platforms. The production effort for the B61 TKA includes the production and delivery of TKAs, accessories, spares, ancillary equipment, Code Management System equipment, TKA and AUR trainers, lot acceptance test assets, and support. The B61 Developmental Test program is complete. Milestone C approved October 2018; the Milestone Decision Authority (MDA) approved proceeding into LRIP/Lot 1, as well as Lot 2 Advanced Procurement in support of Full Rate Production. Initial Operational Test and Evaluation activities were completed in 1QFY20; the DOT&amp;E Beyond Low Rate Initial Production final report was published in September 2020. The Full Rate Production decision was approved by the MDA on 19 Oct 20, which included an additional 60 units to fulfill the 90/10/2 surveillance requirements.</p> <p>Funding for this exhibit contained in PE 0101125F.</p> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS) issues.</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs						P-1 Line Item Number / Title: 354050 / B61-12 Trainer				
ID Code (A=Service Ready, B=Not Service Ready): B				Program Elements for Code B Items: 0101125F			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	B61-12 Trainer		B		- / -	- / 0.000	- / 10.100	- / 11.665	- / -	- / 11.665
P-40	Total Gross/Weapon System Cost				- / -	- / 0.000	- / 10.100	- / 11.665	- / -	- / 11.665
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
Requirement:  
The B61-12 Trainer program will procure additional B61-12 Type 3C trainers, B61-12 Type 3E ground handling/aircraft loading trainers, and spares for the operations and maintenance required by emergent AFGSC requirements. The procurement includes trainers, spares, associated special design test/handling equipment and operations/maintenance life-cycle sustainment spare parts and special design equipment. These training weapons, ancillary test/handling equipment, and spare parts are required to ready, support, train, certify, and maintain proficiency in support of nuclear surety operations performed primarily by aircraft and nuclear weapons maintenance personnel. Also, the program will evaluate Diminishing Manufacturing Sources (DMS) material shortages, obsolescence issues, and reliability improvement, including flight testing. The program will allow the USAF to support the custody, operations, and maintenance of the joint DOE and USAF B61-12.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Air Force										Date: March 2024								
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 354050 / B61-12 Trainer						Item Number / Title [DODIC]: B61-12 Trainer						
ID Code (A=Service Ready, B=Not Service Ready) : B										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				-		0.000		10.100		11.665		-		11.665				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				-		0.000		10.100		11.665		-		11.665				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		0.000		10.100		11.665		-		11.665				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		-		2.138		-		-		-				
Gross/Weapon System Unit Cost (\$ in Millions)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - B61 All Up Round trainer Cost																		
Recurring Cost																		
Tail Kit Assembly (TKA)	-	-	-	-	-	-	1.067	3	3.202	-	-	-	-	-	-	-	-	-
Bomb assembly (NNSA)	-	-	-	-	-	-	-	-	3.570	1.304	7	9.125	-	-	-	1.304	7	9.125
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	6.772	-	-	9.125	-	-	-	-	-	9.125
Subtotal: Hardware - B61 All Up Round trainer Cost	-	-	-	-	-	-	-	-	6.772	-	-	9.125	-	-	-	-	-	9.125
Ancillary Equipment - Equipment Cost																		
Recurring Cost																		
Containers	-	-	-	-	-	0.000	-	-	0.120	-	-	-	-	-	-	-	-	-
Initial Spares	-	-	-	-	-	0.000	-	-	2.138	-	-	1.560	-	-	-	-	-	1.560
Handling Gear	-	-	-	-	-	-	-	-	1.070	-	-	0.980	-	-	-	-	-	0.980
Subtotal: Recurring Cost	-	-	-	-	-	0.000	-	-	3.328	-	-	2.540	-	-	-	-	-	2.540
Subtotal: Ancillary Equipment - Equipment Cost	-	-	-	-	-	0.000	-	-	3.328	-	-	2.540	-	-	-	-	-	2.540
Gross/Weapon System Cost	-	-	-	-	-	0.000	-	-	10.100	-	-	11.665	-	-	-	-	-	11.665
Remarks: Both Bomb Assembly (BA) and TKA components need to be purchased and manufactured before the BA or TKA can be assembled into a complete AUR trainer. Concurrent procurement of spares, ancillary equipment and TKA shipping containers is required to ensure training and fielding requirements are met.																		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED



UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items							P-1 Line Item Number / Title: 355100 / Cad/Pad					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	48.473	51.487	40.487	-	40.487	53.217	52.917	55.123	57.238	-	358.942
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	48.473	51.487	40.487	-	40.487	53.217	52.917	55.123	57.238	-	358.942
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	48.473	51.487	40.487	-	40.487	53.217	52.917	55.123	57.238	-	358.942
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The FY 2025 funding request was reduced by \$9.800 million to account for the availability of prior year execution balances.

- Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD) are energetic life-limited critical safety items used in emergency egress, fire suppression, aerial refueling, data destruction, aircrew flight equipment and survival equipment. CAD/PAD items are used in all mission areas, i.e. combat, training, force protection, search & rescue, and humanitarian relief. These energetic devices have a defined shelf/ service life and are replaced based on time-change during scheduled aircraft maintenance. The CAD/PAD category supports 1,100+ distinct National Stock Numbers used on the following airframes: A-10, AC-130, B-1, B-2, B-52, C-5, C-17, C-130, CV-22, E-3, EC-130, F-15, F-16, F-22, HC-130, HH-60, KC-10, KC-46, KC-135, LC-130, MC-130, NC-135, QF-16, RC-135, T-1, T-6, T-38, TU-2, U-2, UH-1, and WC-130.

Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.

Funds will be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.

- CAD/PAD items are purchased for AF by AFLCMC/EBHJ, CAD/PAD Program Office at Hill AFB, UT.

- Funding for this exhibit contained in PE 0708070F.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items					P-1 Line Item Number / Title: 355100 / Cad/Pad					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Cad/Pad				- / -	- / 48.473	- / 51.487	- / 40.487	- / -	- / 40.487
P-40	Total Gross/Weapon System Cost				- / -	- / 48.473	- / 51.487	- / 40.487	- / -	- / 40.487
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY 2025 funds will be used to maintain Aircraft operational availability and pilot safety. CAD/PAD assets expire due to established item shelf/service life, or mandatory "time-change" procedures for installed devices. In accordance with Technical Order (T.O.) 00-20-1, the aircraft becomes grounded until reliable assets are obtained and installed.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force																Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 15								P-1 Line Item Number / Title: 355100 / Cad/Pad								Aggregated Items Title: Cad/Pad					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Uncategorized																					
BOMBER AIRCRAFT	A		-	-	-	-	-	5.679	-	-	5.700	-	-	5.800	-	-	-	-	-	5.800	
CARGO AIRCRAFT	A		-	-	-	-	-	3.184	-	-	3.200	-	-	3.000	-	-	-	-	-	3.000	
FIGHTER AIRCRAFT	A		-	-	-	-	-	4.665	-	-	4.754	-	-	5.646	-	-	-	-	-	5.646	
TRAINING AIRCRAFT	A		-	-	-	-	-	15.564	-	-	18.096	-	-	8.400	-	-	-	-	-	8.400	
COMMON EGRESS ITEMS	A		-	-	-	-	-	9.670	-	-	7.780	-	-	5.727	-	-	-	-	-	5.727	
COMMON LIFE SUPPORT ITEMS	A		-	-	-	-	-	4.353	-	-	4.400	-	-	4.500	-	-	-	-	-	4.500	
COMMON MISC ITEMS	A		-	-	-	-	-	5.358	-	-	7.557	-	-	7.414	-	-	-	-	-	7.414	
Subtotal: Uncategorized			-	-	-	-	-	48.473	-	-	51.487	-	-	40.487	-	-	-	-	-	40.487	
Total			-	-	-	-	-	48.473	-	-	51.487	-	-	40.487	-	-	-	-	-	40.487	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force

Date: March 2024

Appropriation / Budget Activity / Budget Sub Activity:  
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items

P-1 Line Item Number / Title:  
355450 / Explosive Ordnance Disposal (EOD)

ID Code (A=Service Ready, B=Not Service Ready): A

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	6.343	6.707	7.076	-	7.076	7.323	7.154	7.312	7.457	-	49.372
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	6.343	6.707	7.076	-	7.076	7.323	7.154	7.312	7.457	-	49.372
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	6.343	6.707	7.076	-	7.076	7.323	7.154	7.312	7.457	-	49.372

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

"Explosive Ordnance Disposal (EOD) materials support Civil Engineer, EOD, Security Forces Military Working Dogs, RED HORSE, Special Forces operations and training, and formal schools with demolition munitions. The materials are used in deployment packages, base response assets and range clearance resources in support of peacetime and contingency operations. These items are certified for use by the Air Force Non-Nuclear Munitions Safety Board (NNMSB) and the Department of Defense Explosives Safety Board (DDESB).

Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.

Funds will be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.

The Air Force procures munitions to maintain appropriate quantities in the War Reserve Material (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Funding for this exhibit is contained in PE 0204424F.

""This program leverages Digital acquisition tenets of open, agile, and digital. Invests in analytical, information management, data management, digital environments, networks, facilities, and security infrastructure upgrades directly supporting development and sustainment of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions."

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items						P-1 Line Item Number / Title: 355450 / Explosive Ordnance Disposal (EOD)				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Explosive Ordnance Disposal (EOD)				- / -	- / 6.343	- / 6.707	- / 7.076	- / -	- / 7.076
P-40	Total Gross/Weapon System Cost				- / -	- / 6.343	- / 6.707	- / 7.076	- / -	- / 7.076
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
This program, Category Uncategorized Item (M031) CHG DEMO TNT 1/2LB, is a new start.  
This program, Category Uncategorized Item (M994) Charge, Demolition, C1 Deta Sheet .042, is a new start.  
This program, Category Uncategorized Item (MM24) DEMO ECT, MK 142, 300GPF, is a new start.  
This program, Category Uncategorized Item (MM30) CHARGE, 20 GRAM MK 140 MOD 0, is a new start.

FY 2025 funds purchase Explosive Ordnance Disposal (EOD), Demolition Material, Civil Engineering Tools and Equipment including: all explosives, explosive tools and related equipment to render unexploded ordnance safe. Assets provide support for Counter Improvised Explosive Devices (IED) operations, Special Operations teams, formal schools, and Military Working Dog training. EOD/Demolition Munitions items are used in deployment packages, base response assets, and range clearance resources in support of peacetime and contingency operations.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 15							P-1 Line Item Number / Title: 355450 / Explosive Ordnance Disposal (EOD)								Aggregated Items Title: Explosive Ordnance Disposal (EOD)					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(AA63) 12 GAUGE M275 AVON CARTRIDGE	A		-	-	-	-	-	-	0.000	1,457	0.008	0.000	1,457	0.008	-	-	-	0.000	1,457	0.008
(AA62) 12 GAUGE M274 ULTRA CARTRIDGE	A		-	-	-	-	-	-	0.000	8,124	0.042	-	-	-	-	-	-	-	-	-
(M023) - CHARGE, DEMOLITION C4-M112	A		-	-	-	0.000	19,996	0.891	0.000	21,654	1.000	0.000	32,482	1.500	-	-	-	0.000	32,482	1.500
(M476) CONTAINER SHAPED CHR9 MK3 MOD 0	A		-	-	-	-	-	-	0.000	87	0.010	-	-	-	-	-	-	-	-	-
(M031) CH9 DEMO TNT 1/2LB	A		-	-	-	-	-	-	-	-	-	0.000	11,730	0.200	-	-	-	0.000	11,730	0.200
(M097) INERT, NON-ELECTRIC CAP	A		-	-	-	0.000	10,000	0.100	0.000	3,212	0.100	-	-	-	-	-	-	-	-	-
(M994) Charge, Demolition, C1 Deta Sheet .042	A		-	-	-	-	-	-	-	-	-	0.000	595	0.025	-	-	-	0.000	595	0.025
(M130) - CAP BLASTING ELECTRIC M6	A		-	-	-	-	-	0.000	0.000	34,682	1.500	0.000	17,341	0.750	-	-	-	0.000	17,341	0.750
(DWEC) CT9, MK 277 ENHANCED BLANK	A		-	-	-	-	-	0.000	0.000	5,376	0.020	-	-	-	-	-	-	-	-	-
(M131) - CAP, BLASTING NON-ELECTRIC-M7	A		-	-	-	0.000	42,148	0.891	0.000	83,696	1.961	0.000	84,592	1.982	-	-	-	0.000	84,592	1.982
(M456) - CORD ASBLY DETONATING	A		-	-	-	-	-	0.000	0.000	243,902	0.100	-	-	-	-	-	-	-	-	-
(M591) - DYNAMITE MILITARY M1 1LB BLOCK	A		-	-	-	0.000	750	0.015	-	-	0.000	-	-	-	-	-	-	-	-	-
(MM24) DEMO ECT, MK 142, 300GPF	A		-	-	-	-	-	-	-	-	-	0.000	21,349	0.500	-	-	-	0.000	21,349	0.500
(MM30) CHARGE, 20 GRAM MK 140 MOD 0	A		-	-	-	-	-	-	-	-	-	0.000	11,815	0.250	-	-	-	0.000	11,815	0.250
(MM52) DEMO ECT, MK144, 1200GPF	A		-	-	-	0.000	2,186	0.200	0.000	3,724	0.200	0.000	3,649	0.196	-	-	-	0.000	3,649	0.196
(MM48) CH9 DEMO LIN SHAPED 600 GR/FT	A		-	-	-	0.000	3,080	0.308	-	-	0.000	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force																Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 15						P-1 Line Item Number / Title: 355450 / Explosive Ordnance Disposal (EOD)						Aggregated Items Title: Explosive Ordnance Disposal (EOD)								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
(MM38) CHG, DEMO, LIN SHAPED 225 GR/ FT	A		-	-	-	0.000	3,158	0.300	-	-	0.000	-	-	-	-	-	-	-	-	-
(MM53) - DEMO ECT, MK145, 2400GPF	A		-	-	-	0.000	1,432	0.100	-	-	0.000	-	-	-	-	-	-	-	-	-
(MM54) - EXPLOSIVE CUTTING TAPE	A		-	-	-	0.000	5,390	0.500	0.000	6,084	0.585	0.000	5,200	0.500	-	-	-	0.000	5,200	0.500
(M421) CHG DEMO SHPD M3A2 COMP B	A		-	-	-	0.001	247	0.200	-	-	-	-	-	-	-	-	-	-	-	-
(MN07) - N/E 70FT DELAY SHOCK TUBE	A		-	-	-	0.000	4,167	0.050	-	-	0.000	0.000	4,167	0.050	-	-	-	0.000	4,167	0.050
(MN06) M14 SET UP, N/E CAP WITH TIME FUZE	A		-	-	-	-	-	0.000	0.000	24,752	0.300	0.000	41,254	0.500	-	-	-	0.000	41,254	0.500
(MN08) - IGNITER TIME BLASTING	A		-	-	-	-	-	-	0.000	21,622	0.336	0.000	38,610	0.600	-	-	-	0.000	38,610	0.600
(SS01) - CTG, 50 CAL ELEC BLANK MK209 MOD 1	A		-	-	-	0.000	3,251	0.600	-	-	0.000	-	-	-	-	-	-	-	-	-
(M039) CHG DEMO 40LB CRATERING W/ WELL	A		-	-	-	0.000	1,097	0.200	-	-	0.000	-	-	-	-	-	-	-	-	-
(M670) FUZE, BLASTING TIME	A		-	-	-	0.000	7,419	0.460	0.000	29,289	0.280	-	-	-	-	-	-	-	-	-
(M420) CHG DEMO SHPD M2A4 15LB COMP B	A		-	-	-	0.002	556	1.068	-	-	-	-	-	-	-	-	-	-	-	-
(M985) Charge, Demolition, C7 Deta Sheet .291	A		-	-	-	0.000	2,000	0.200	-	-	0.000	-	-	-	-	-	-	-	-	-
(YY34) - SHOCK TUBE	A		-	-	-	0.000	935	0.200	0.000	1,111,111	0.100	-	-	-	-	-	-	-	-	-
(ML05) CUTTER, HE MK 24 MOD 0	A		-	-	-	-	-	0.000	0.000	865	0.165	-	-	-	-	-	-	-	-	-
(ML03) FIRING DEVICE DEMO M142	A		-	-	-	0.000	950	0.020	-	-	-	-	-	-	-	-	-	-	-	-
PMA	A		-	-	-	-	-	0.040	-	-	0.000	-	-	0.015	-	-	-	-	-	0.015
Subtotal: Uncategorized			-	-	-	-	-	6.343	-	-	6.707	-	-	7.076	-	-	-	-	-	7.076
Total			-	-	-	-	-	6.343	-	-	6.707	-	-	7.076	-	-	-	-	-	7.076

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.



UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items							P-1 Line Item Number / Title: 355900 / Spares And Repair Parts					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.573	0.585	0.617	-	0.617	0.638	0.624	0.638	0.650	-	4.325
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.573	0.585	0.617	-	0.617	0.638	0.624	0.638	0.650	-	4.325
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.573	0.585	0.617	-	0.617	0.638	0.624	0.638	0.650	-	4.325
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
<p>This P-1 line funds spares and repair parts for Procurement of Ammunition, Air Force (PAAF) items. Initial spares consist of repairable components, assemblies and subassemblies, as well as consumable items required in support of newly fielded end items. Requirements are based on historical failure/demand data on similar items. Replenishment spares consist of repairable components, assemblies and subassemblies required for follow-on sustainment of end items. Munitions replenishment spare levels are based on item-specific failure/demand driven computations.</p> <p>Provide Area Attack telemetry kit Weapon System Evaluation Program (WSEP) analysis for Wind Corrected Munitions Dispenser (WCMD). Contractor will perform engineering study, installation, delivery and testing for WCMD weapons with telemetry kits.</p> <p>Funds will be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.</p> <p>Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.</p> <p>Funding for this exhibit contained in PE 0208030F.</p>												
Justification:												
<p>The FY2025 request funds spares and repair parts for Procurement of Ammunition, Air Force (PAAF) items. Initial spares consist of repairable components, assemblies and sub-assemblies, as well as consumable items required in support of newly fielded end items. Requirements are based on historical failure/demand data on similar items. Replenishment spares consist of reparable components, assemblies and sub-assemblies required for follow on sustainment of end items. Munitions replacement spare levels are based on item-specific failure /demand driven computations. Examples of spares include Flight Test Telemetry packages, telemetry kits, batteries, fuzes, cables, electronic components to support and maintain fielded end items, and test support equipment. Initial or Replenishment spares and repair parts are necessary for the following Air Force (PAAF) P-1 end items: Rockets, Cartridges, Practice Bombs, General Purpose Bombs, Cartridge Actuated Devices /Propellant Actuated Devices (CAD/PAD), Explosive Ordnance Disposal, Flares, and Fuzes.</p>												

**UNCLASSIFIED**

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force		Date: March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items		<b>P-1 Line Item Number / Title:</b> 355900 / Spares And Repair Parts
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
<b>Line Item MDAP/MAIS Code: N/A</b> The Air Force procures munitions to maintain appropriate quantities in the War Reserve Material (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items							P-1 Line Item Number / Title: 355980 / First Destination Transportation					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	3.025	2.299	2.894	-	2.894	2.966	2.868	2.931	2.989	-	19.972
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	3.025	2.299	2.894	-	2.894	2.966	2.868	2.931	2.989	-	19.972
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	3.025	2.299	2.894	-	2.894	2.966	2.868	2.931	2.989	-	19.972
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Transportation funds are required to support the distribution of USAF ammunition end items and components (Interim Transportation). Distribution originates from and to CONUS and OCONUS manufacturing plants/contractors, and/or assembly points e.g. Army Ammunition Plants (AAPs), Arsenalns; Defense Contract Management Centers to include Off Shore Procurement Contractors shipping under F.O.B. Origin terms. Requirements are either destined for CONUS depots for acceptance into the Air Force Supply System, to CONUS Customers, to CONUS Arsenalns, or to ports of embarkation in support of Call Forward, i.e., Training, War Reserve Materials (WRM) or Overseas Contingency Operations (OCO).  Funding for this exhibit is contained in PE 0208030F. The Air Force previously requested First Destination Transportation costs in WSC 353020/General Purpose Bombs.												
Justification: The FY 2025 request supports centrally funded distribution of Air Force ammunition end items and components from the point of manufacture to initial receipt into the Air Force supply system.												

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items							P-1 Line Item Number / Title: 355990 / Items Less Than \$5,000,000					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	5.830	5.115	5.399	-	5.399	5.589	5.456	5.575	5.686	-	38.650
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	5.830	5.115	5.399	-	5.399	5.589	5.456	5.575	5.686	-	38.650
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	5.830	5.115	5.399	-	5.399	5.589	5.456	5.575	5.686	-	38.650
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This category includes various munitions items to support airbase ground defense, air rescue, and aircrew/ground training.

The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) munitions and test and training stockpiles. Active, Guard, and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

All items have an annual procurement value of less than 5 million dollars and are code A.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.

Funds will be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.

Funding for this exhibit contained in PE 0207580F and in PE 0207599F.

"This program leverages Digital acquisition tenets of open, agile, and digital. Invests in analytical, information management, data management, digital environments, networks, facilities, and security infrastructure upgrades directly supporting development and sustainment of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 15: Other Items						P-1 Line Item Number / Title: 355990 / Items Less Than \$5,000,000				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Items Less Than \$5,000,000				- / -	- / 5.830	- / 5.115	- / 5.399	- / -	- / 5.399
P-40	Total Gross/Weapon System Cost				- / -	- / 5.830	- / 5.115	- / 5.399	- / -	- / 5.399
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
This program, Category Uncategorized Item (G945) GRENADE, SMOKE, YELLOW, is a new start.  
This program, Category Uncategorized Item (G950) GRENADE, SMOKE, RED, is a new start.

FY 2025 funding purchases miscellaneous munitions such as training hand grenades, grenades with colored smoke for signaling aircrews and air-rescue, mines, and nuclear training assets.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 15							P-1 Line Item Number / Title: 355990 / Items Less Than \$5,000,000								Aggregated Items Title: Items Less Than \$5,000,000					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(J007) Claymore	A		-	-	-	-	-	0.000	0.017	18	0.300	0.017	145	2.415	-	-	-	0.017	145	2.415
HB26 -- M72A8 LAW Fire From Enclosure (FFE) and NVD Mount	A		-	-	-	-	-	-	0.016	144	2.269	-	-	-	-	-	-	-	-	-
(YW33) Smokey Sams	A		-	-	-	-	-	2.233	-	-	0.000	-	-	-	-	-	-	-	-	-
(CA30) Cartridge 84mm M136A1 AT4CS RS	A		-	-	-	-	-	-	0.003	107	0.300	-	-	-	-	-	-	-	-	-
(G940) GRENADE, SMOKE, GREEN M18	A		-	-	-	-	-	1.066	0.000	2,137	0.250	0.000	1,257	0.147	-	-	-	0.000	1,257	0.147
(G945) GRENADE, SMOKE, YELLOW	A		-	-	-	-	-	-	-	-	0.000	0.000	1,913	0.147	-	-	-	0.000	1,913	0.147
(G950) GRENADE, SMOKE, RED	A		-	-	-	-	-	-	-	-	0.000	0.000	1,013	0.147	-	-	-	0.000	1,013	0.147
(G955) GRENADE, SMOKE, VIOLET M18	A		-	-	-	-	-	0.500	0.000	6,711	0.500	0.000	16,577	1.235	-	-	-	0.000	16,577	1.235
(GG44) Fuze, Hand Grenade Practice MK 1 Mod 0	A		-	-	-	-	-	-	0.000	5,293	0.150	0.000	13,550	0.394	-	-	-	0.000	13,550	0.394
(G982) GRENADE, HAND, SMOKE, M83	A		-	-	-	-	-	0.250	0.000	3,169	0.250	0.000	1,723	0.147	-	-	-	0.000	1,723	0.147
(L601) SIMULATOR, HAND GRENADE M116A1	A		-	-	-	-	-	0.370	0.000	15,152	0.370	-	-	-	-	-	-	-	-	-
(GG44) Flash Bang Grenade Fuze	A		-	-	-	-	-	0.700	-	-	-	-	-	-	-	-	-	-	-	-
NUCLEAR TRAINERS	A		-	-	-	-	-	0.711	0.726	1	0.726	0.767	1	0.767	-	-	-	0.767	1	0.767
Subtotal: Uncategorized			-	-	-	-	-	5.830	-	-	5.115	-	-	5.399	-	-	-	-	-	5.399
Total			-	-	-	-	-	5.830	-	-	5.115	-	-	5.399	-	-	-	-	-	5.399

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED



UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares						P-1 Line Item Number / Title: 356010 / Expendable Countermeasures						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	130.548	79.786	99.769	-	99.769	102.665	99.752	86.441	88.155	-	687.116
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	130.548	79.786	99.769	-	99.769	102.665	99.752	86.441	88.155	-	687.116
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	-	130.548	79.786	99.769	-	99.769	102.665	99.752	86.441	88.155	-	687.116
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Description: NOTE: In FY 2023, Impulse Cartridges efforts were transferred from WSC 352010 Cartridges to WSC 356010, Flares, in order to better align with their purpose/use.  The following Weapon System Cost Elements are represented in this P-1 line:  EXPENDABLE COUNTERMEASURES: -(LA10) M206 Flare is an infrared countermeasures flare used by A-10, F-16, C-17, C-130, and other aircraft against heat seeking missiles. This item is procured through the Single Manager for Conventional Ammunition (SMCA)/Army. The M206 is being replaced by the MJU-61 in FY 2024. -(LA36) MJU-62 Flare is a multi-spectral countermeasure designed to be used as part of a flare cocktail pattern to confuse advanced infrared threat missiles. Used primarily on the C-17 and C-5 aircraft which require a 1 inch by 2 inch by 8 inch flare size to accommodate desired cocktail flare mixes. MJU-62 is being evaluated for use on other types of aircraft such as F-16, A-10 and HH-60. This item is procured through USAF. -(LA60) MK-124 is a hand-held devise carried by personnel in life vests, flight suit pockets, or life raft survival kits used to identify the location of personnel during rescue and recovery missions. It consists of an aluminum case approximately 5.375 inches long, 1.625 inches in diameter and 8 oz. in weight with a protective rubber cap on each end. -(LA61) MJU-66 decoy Countermeasure Flare is an improved version of the MJU-64 providing increased decoy effectiveness and protection for the A-10, C-130 aircraft as well as HH-53 and HH-60 helicopters and is being evaluated for other aircraft. It is a one-piece aluminum case containing a payload of advanced special material elements, loaded into a multiple jettison unit magazine installed on a countermeasure dispenser. When deployed into the air stream, the special material reacts to emit an infrared signal to decoy infrared seeking missiles. This item is procured through the Navy PMA-272. -(LA66) MJU-61 is an infrared countermeasure flare used by F-35 aircraft against heat seeking missiles. The MJU-61 will replace the M206 in FY24 and will be used on multiple aircraft. This item is procured through the Navy PMA-272. -(LA76) MJU-73 is a spectral flare that is used in a cocktail mix of 1 for 1 with the M219 flare to increase protection against heat-seeking missile threats. This 1x1x8 inch sized flare is primarily used on the HH-60, and is expected to be qualified on several fixed-wing aircraft in the near future. This item is procured through the US Air Force. -(LA84) MJU-52A/B Decoy is an infrared countermeasure decoy used by F-15 aircraft against heat seeking missiles. This item is procured through USAF and is sole source to Alloy Surfaces. It is an unique form factor mechanically dispensed from a BOL dispenser. -(LA85) MJU-75 Flare is a magnesium based IR countermeasure. It consists of an aluminum case, crimped and sealed plastic end cap, rubber spacer, plastic piston, safe and ignition device, flare pellet and sealed cartridge cup. It is dispensed and ignited in flight by a BBU-35 impulse cartridge. Used on C-17, C-5, and being evaluated for future use on other aircraft such as A-10 and F-16. The MJU-75 will replace the MJU-53, which is also replacing the MJU-10 and MJU-7. This item is procured through USAF. -(LA88) MJU-76 Flare is a thrustred magnesium base IR countermeasure. It consists of a 1x1 aluminum case, crimped and sealed plastic end cap, compression pad, safe and ignition device with sealing O-ring,												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares		P-1 Line Item Number / Title: 356010 / Expendable Countermeasures
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>finned aluminum flight body containing the flare grain with a molded PEEK nozzle and a weighted nose. The case uses a sealed cartridge cup and the flare is dispensed and ignited in flight by a BBU-35 or CCU-145 impulse cartridge. Used on C-17, C-130, and being evaluated for future use on other aircraft such as A-10, F-16, and F-35. MJU-76 will replace the MJU-71 and MJU-68.</p> <p>-(L580) MK-58 is a marine location marker consisting of an aluminum body containing two pyrotechnic candles of a red phosphorus composition. The ignition end of the marker has three holes, two for smoke and flame emission and one for water to enter the MK72 Mod 1 seawater-activated battery. Adhesive foil discs hermetically seal the two emission holes. A reinforced adhesive foil strip with a rectangular pull ring hermetically seals the battery. The adhesive foil seals are protected during handling and shipping by a replaceable polyethylene protective cover. MK-58 is procured through Navy Crane.</p> <p>IMPULSE CARTRIDGES:</p> <p>-BBU-35 Impulse Cartridge (MG62): Deploys countermeasure chaff and ignites flares from the aircraft dispenser for multiple aircraft. Applicable to the M206, MJU-61, MJU-66, MJU-64, MJU-71, MJU-73, MJU-75, etc. countermeasure flares and RR170 and RR188 chaff.</p> <p>-BBU-36 Impulse Cartridge (MG11): Deploys countermeasure flare on multiple aircraft to protect aircraft from IR weapons. Flare applications include: MJU-7, MJU-10, MJU-40, MJU-53 AND MJU-62.</p> <p>-BBU-46 Impulse Cartridge (MT40): Deploys a MJU-23 countermeasure flare on the B-1.</p> <p>-BBU-48 Impulse Cartridge (SS27): Deploys countermeasure chaff on multiple aircraft to protect aircraft from radar and radar guided weapons. Chaff applications include: RR-180 and RR-196.</p> <p>-BBU-59 Impulse Cartridge (WD01): Deploys a MJU-39 countermeasure flare on the F-22.</p> <p>-BBU-63 Impulse Cartridge (SS44): Bomb ejection cartridge used with the BRU-44 bomb rack on the B-2.</p> <p>-ARD 446 Impulse Cartridge (WB33): Weapon and store release cartridge.</p> <p>-RR-170 Chaff (LY07): RF countermeasure; dispensed by BBU-35</p> <p>-RR-180 Chaff (SY16): RF countermeasure; dispensed by BBU-48</p> <p>-RR-188 Chaff (3W37): RF countermeasure; dispensed by BBU-35</p> <p>-RR-196 Chaff (CY94): RF countermeasure; dispensed by BBU-48</p> <p>-RR-196(T-1) Chaff (NY02): RF countermeasure; dispensed by BBU-48</p> <p>-RR-198/AL: F-35 operational chaff round dispensed by CCU-145. Procurement will be through a Navy managed contract vehicle.</p> <p>-RR-199: F-35 training chaff round dispensed by CCU-145. Procurement will be through a Navy managed contract vehicle.</p> <p>-CCU-106: Government-owned weapon and stores release cartridge. This cartridge will replace the proprietary ARD 446 cartridge over the next several years. Procurement will be through an Air Force managed contract vehicle.</p> <p>-CCU-107 (MT95): Government-owned weapon and stores release cartridge. This cartridge is currently used on the KC-46 and will replace the proprietary ARD 863 cartridge over the next several years. Procurement will be through a Navy managed contract vehicle.</p> <p>-CCU-145 (WB24): Deploys countermeasure flares from F-35. Applicable to MJU-68 and MJU-71</p> <p>-CCU-167 (DWGY): Cutter cart for steel hoist cables on helicopters and various towed targets on multiple aircraft</p> <p>-MK2 (M190): Weapons and pylons release cartridge; tanks and special equipment; cutter cartridge.</p> <p>-MK 107 MOD 1 (M943): Used on rotary launcher for B-1, MXU-611 Fuel Tank Release mechanism and LAU-93A Phoenix Missile Launcher</p> <p>-M21 (M500): Parachute reefing line cutter on C-17</p> <p>These funds will also procure inventoried items which may not be procured on an annual basis and could be required on an emerging basis. Variations to cover critical shortfalls to inventory objectives as well as actual and planned expenditures will be addressed during execution year.</p> <p>Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.</p> <p>Funds may be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>		

UNCLASSIFIED

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares		<b>P-1 Line Item Number / Title:</b> 356010 / Expendable Countermeasures
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>This program element may include necessary test or evaluation equipment required to assess Advanced Infrared Countermeasure weapons system capabilities.</p> <p>Funding for this exhibit contained in PEs: 0208030F and 0207599F.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares						P-1 Line Item Number / Title: 356010 / Expendable Countermeasures				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Expendable Countermeasures				- / -	- / 127.138	- / 66.186	- / 86.228	- / -	- / 86.228
P-40a	Impulse Cartridges				- / -	- / 3.410	- / 13.600	- / 13.541	- / -	- / 13.541
P-40	Total Gross/Weapon System Cost				- / -	- / 130.548	- / 79.786	- / 99.769	- / -	- / 99.769
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY 2025 funds the purchase of Flares, Expendable Countermeasures, and Impulse Cartridges used by A-10, AC-130, F-15, F-16, C-5, C-17 and F-35/JSF aircraft, HH-53 and HH-60 helicopters and other aircraft to protect the warfighter against advanced air-to-air and ground-to-air infrared and heat seeking attack weapon systems and missiles. Funds may also be used for other Government costs including testing and Program Support Costs (PSC) such as travel, shipping, and other operational costs.

The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16							P-1 Line Item Number / Title: 356010 / Expendable Countermeasures								Aggregated Items Title: Expendable Countermeasures					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Expendable Countermeasures																				
(LA60) MK-124 Flare	A		-	-	-	0.000	13,248	1.995	-	-	-	0.000	1,200	0.500	-	-	-	0.000	1,200	0.500
(L410) M206 Flare	A		-	-	-	-	-	-	-	-	-	0.000	2,000	0.450	-	-	-	0.000	2,000	0.450
(LA76) MJU-73 MTVRFLARE	A		-	-	-	0.001	4,000	4.000	0.001	760	0.750	0.001	760	0.750	-	-	-	0.001	760	0.750
(LA84) MJU-52 BOL/IRFLARE	A		-	-	-	-	-	-	0.001	1,000	1.000	-	-	-	-	-	-	-	-	-
(LA85) MJU-75	A		-	-	-	0.002	15,790	34.579	0.002	11,174	22.348	0.002	11,000	23.250	-	-	-	0.002	11,000	23.250
(LA88) MJU-76	A		-	-	-	0.001	7,000	7.000	0.001	9,500	9.500	0.001	15,000	16.250	-	-	-	0.001	15,000	16.250
(LA61) MJU-66 DecoyACFT Flare	A		-	-	-	-	-	-	0.000	40,268	4.800	-	-	-	-	-	-	-	-	-
(LA66) MJU-61 IR CMFlare	A		-	-	-	0.000	820,041	64.040	0.000	286,176	26.038	0.000	380,243	32.250	-	-	-	0.000	380,243	32.250
(L580) MK-58	A		-	-	-	-	-	-	0.001	1,000	1.000	-	-	-	-	-	-	-	-	-
(LA36) MJU-62 IR CMFLARE	A		-	-	-	0.000	10,680	5.324	0.000	1,683	0.750	0.000	1,683	0.750	-	-	-	0.000	1,683	0.750
Items less than 5M	A		-	-	-	-	-	2.700	-	-	-	-	-	4.528	-	-	-	-	-	4.528
Navy Crane Testing	A		-	-	-	-	-	7.500	-	-	-	-	-	7.500	-	-	-	-	-	7.500
Subtotal: Expendable Countermeasures			-	-	-	-	-	127.138	-	-	66.186	-	-	86.228	-	-	-	-	-	86.228
Total			-	-	-	-	-	127.138	-	-	66.186	-	-	86.228	-	-	-	-	-	86.228

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Remarks:  
Funding for Naval Surface Warfare Center, Crane Division (NSWC Crane), located in Crane, Indiana  
The mission of NSWC Crane is to provide acquisition engineering, in-service engineering and technical support for sensors, electronics, electronic warfare and special warfare weapons.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force															Date: March 2024					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16							P-1 Line Item Number / Title: 356010 / Expendable Countermeasures								Aggregated Items Title: Impulse Cartridges					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Impulse Cartridges																				
(3W37) CHAFF, RR-188	A		-	-	-	0.000	75,712	0.575	0.001	1,000	1.000	0.001	1,000	1.000	-	-	-	0.001	1,000	1.000
(M189) ARD-863	A		-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
(YWAP) RR-198	A		-	-	-	0.000	479	0.049	0.000	4,150	1.000	0.000	4,150	1.000	-	-	-	0.000	4,150	1.000
(YWAQ) RR-199	A		-	-	-	0.000	940	0.024	0.000	33,923	1.800	0.000	18,846	1.000	-	-	-	0.000	18,846	1.000
(MG11) CTG, IMPULSE, BBU-36/B	A		-	-	-	-	-	0.000	0.001	1,000	1.000	0.001	1,000	1.000	-	-	-	0.001	1,000	1.000
(MG62) BBU-35/ B, IMPULSE CARTRIDGE	A		-	-	-	-	-	0.000	0.001	1,500	1.500	0.001	1,000	1.000	-	-	-	0.001	1,000	1.000
(NY02) CHAFF, RR-196	A		-	-	-	-	-	0.000	0.001	2,000	2.000	0.001	3,000	3.000	-	-	-	0.001	3,000	3.000
(MT95) CCU-107	A		-	-	-	-	-	-	-	-	-	0.000	20,000	0.541	-	-	-	0.000	20,000	0.541
(SS27) BBU-48/ B IMPULSE CARTRIDGE	A		-	-	-	-	-	0.000	0.001	2,000	2.000	0.001	2,000	2.000	-	-	-	0.001	2,000	2.000
(SS44) BBU-63/ B IMPULSE CARTRIDGE	A		-	-	-	-	-	0.000	0.001	300	0.300	0.001	312	0.300	-	-	-	0.001	312	0.300
(SY16) RR-180 CHAFF CARTRIDGE	A		-	-	-	-	-	0.000	0.001	2,000	2.000	0.001	2,000	2.000	-	-	-	0.001	2,000	2.000
(MF60) CCU-41	A		-	-	-	-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
(M190) MK-2	A		-	-	-	0.001	575	0.427	-	-	-	-	-	-	-	-	-	-	-	-
(WB24) CCU-145	A		-	-	-	0.000	283,263	2.000	0.001	1,000	1.000	0.001	500	0.500	-	-	-	0.001	500	0.500
(WA83) CCU-136	A		-	-	-	-	-	-	-	-	-	0.000	1,000	0.200	-	-	-	0.000	1,000	0.200
(DWGY) CCU-167/B	A		-	-	-	0.002	87	0.133	-	-	-	-	-	-	-	-	-	-	-	-
Items less than \$5 Mil	A		-	-	-	-	-	0.202	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Impulse Cartridges			-	-	-	-	-	3.410	-	-	13.600	-	-	13.541	-	-	-	-	-	13.541
Total			-	-	-	-	-	3.410	-	-	13.600	-	-	13.541	-	-	-	-	-	13.541

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

**Remarks:**  
NOTE: Impulse Cartridges were justified in the Cartridges WSC 352010 in FY2022 and prior and are not a new start. In FY 2023, Impulse Cartridges efforts were transferred from WSC 352010 Cartridges to WSC 356010, Flares, in order to better align with their purpose/use.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force									Date: March 2024			
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 18: Fuzes							P-1 Line Item Number / Title: 356120 / Fuzes					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A					Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	92.918	109.562	114.664	-	114.664	137.163	134.402	158.015	161.148	-	907.872
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	92.918	109.562	114.664	-	114.664	137.163	134.402	158.015	161.148	-	907.872
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	-	92.918	109.562	114.664	-	114.664	137.163	134.402	158.015	161.148	-	907.872
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
The FY 2025 funding request was reduced by \$17.467 million to account for the availability of prior year execution balances.												
Procure advanced fuze/sensor systems and modernization capabilities required by US and Allied warfighters to support the commander's intent. These fuze/sensor systems provide the DoD with reliable and effective weapon safing, arming, sensing, and attack capabilities. Characterize how fuzing impacts the survivability, producibility, and lethality of various weapon systems; including internal pressures, warhead effects, and ignition characteristics.												
The following Weapon System Cost Elements are represented in this P-1 line:												
- FMU-139D/B is a Navy-led general purpose fuze Engineering Change Proposal (ECP) program to replace the FMU-139C/B and FMU-152A/B in the USN and USAF inventories. This effort is a low cost option that meets both services' requirements for a better buying power business case. The USAF continues to monitor weapon expenditure rates in the Areas of Responsibility (AORs) and adjust fuze Inventory Objectives (IO) accordingly. Legacy fuzes will age out and in response the FMU-139D/B inventory objective is anticipated to continue increasing through FY25. Joint USN/USAF acquisition will continue with USAF ordering between 7,000 and 15,000 units annually to meet inventory objectives and maximize budget. Manufacturing capacity for the FMU-139D/B is currently 50,000 fuzes per year for USN, FMS, and USAF requirements and surge capacity is available.												
- FMU-167 Hard Target Void Sensing Fuze (HTVSF) (EE27), is an advanced system designed to provide fuzing and void sensing functions, enabling a weapon to penetrate and destroy hardened, deeply buried targets protected by multiple layers of soil and/or reinforced concrete. The HTVSF provides for in-flight cockpit programmability, safing and arming, multi-function (time delay and void sensing) and multi-delay arming capabilities. USAF and USN will employ HTVSF in penetrator warheads, contributing to the ability to strike and functionally defeat high value/high payoff targets in order to achieve strategic and operational objectives. IO increases may necessitate additional sustainment acquisition. The Air Force is the lead service for procurement/sustainment.												
- DSU-43/B Cockpit Selectable Height-of-Burst Sensor (C-HOBS) replaces the current DSU-33D/B proximity sensor. C-HOBS eliminates two obsolescence issues the DSU-33D/B is currently experiencing and will replace the single factory Height-Of-Burst (HOB) setting with the addition of multiple HOB options selectable via both a manual switch and a cockpit-selectable interface. These selection options allow flexibility during flight to address a wide array of targets. The C-HOBS is intended to optimize the effects of Next Generation Attack Weapons (NGAAWs), and interface with and provide a cockpit-selectable proximity function to general and special purpose weapons. EMD contract awarded March 2019. MS-C approved 27 Sep 2022 and LRIP awarded Nov 2022.												
- Items Less Than Five Million Dollars: Various fuzes, to include inert training items, that have an annual procurement value of less than 5,000,000 and are code A.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force		Date: March 2024
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 18: Fuzes		P-1 Line Item Number / Title: 356120 / Fuzes
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), these items are necessary for use by the active components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>This program leverages Digital acquisition tenets of open, agile, and digital. Invests in analytical, information management, data management, digital environments, networks, facilities, and security infrastructure upgrades directly supporting development and sustainment of this program's capabilities, while leveraging DoD and DAF enterprise IT solutions.</p> <p>Procurement quantities can change based on negotiated options/pricing bands and available funding, in accordance with Title 10, U.S Code Section 2308 BUY-TO-BUDGET ACQUISITION.</p> <p>Funds may be used to address production Diminishing Manufacturing Sources (DMS)/Material Shortages/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacities.</p> <p>Funding for this exhibit contained in PEs 0208030F and 0207599F.</p>		



UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 18: Fuzes					P-1 Line Item Number / Title: 356120 / Fuzes					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	C-HOBS		A		- / -	- / 58.137	- / 68.386	- / 68.798	- / -	- / 68.798
P-5	FMU-139D/B		A		- / -	- / 25.436	- / 41.176	- / 45.866	- / -	- / 45.866
P-5	(EE27) FMU-167 HTVSF		A		- / -	- / 9.345	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / -	- / 92.918	- / 109.562	- / 114.664	- / -	- / 114.664
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY 2025 funding purchases fuzes and associated items.

The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Air Force														Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18							P-1 Line Item Number / Title: 356120 / Fuzes							Item Number / Title [DODIC]: C-HOBS				
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Procurement Quantity ( <i>Units in Each</i> )				-		-		-		-		-		-				
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-		58.137		68.386		68.798		-		68.798				
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-		58.137		68.386		68.798		-		68.798				
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Total Obligation Authority ( <i>\$ in Millions</i> )				-		58.137		68.386		68.798		-		68.798				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - C-HOBS Cost																		
Recurring Cost																		
C-HOBS	-	-	-	0.002	28,594	57.188	0.002	33,618	67.236	0.002	33,677	67.354	-	-	-	0.002	33,677	67.354
Subtotal: Recurring Cost	-	-	-	-	-	57.188	-	-	67.236	-	-	67.354	-	-	-	-	-	67.354
Subtotal: Hardware - C-HOBS Cost	-	-	-	-	-	57.188	-	-	67.236	-	-	67.354	-	-	-	-	-	67.354
Support - Support Cost																		
Contract Services	-	-	-	-	-	0.817	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
Other Government Costs	-	-	-	-	-	0.132	-	-	0.150	-	-	0.444	-	-	-	-	-	0.444
Subtotal: Support - Support Cost	-	-	-	-	-	0.949	-	-	1.150	-	-	1.444	-	-	-	-	-	1.444
Gross/Weapon System Cost	-	-	-	-	-	58.137	-	-	68.386	-	-	68.798	-	-	-	-	-	68.798

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Air Force													Date: March 2024								
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18							P-1 Line Item Number / Title: 356120 / Fuzes						Item Number / Title [DODIC]: FMU-139D/B								
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
Procurement Quantity ( <i>Units in Each</i> )				-			-			-			-			-			-		
Gross/Weapon System Cost ( <i>\$ in Millions</i> )				-			25.436			41.176			45.866			-			45.866		
Less PY Advance Procurement ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Net Procurement (P-1) ( <i>\$ in Millions</i> )				-			25.436			41.176			45.866			-			45.866		
Plus CY Advance Procurement ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Total Obligation Authority ( <i>\$ in Millions</i> )				-			25.436			41.176			45.866			-			45.866		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )				-			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total					
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Hardware - FMU-139D/B Cost																					
Recurring Cost																					
FMU-139/B	-	-	-	0.003	7,324	21.972	0.002	19,513	39.026	0.002	21,880	43.759	-	-	-	0.002	21,880	43.759			
Subtotal: Recurring Cost	-	-	-	-	-	21.972	-	-	39.026	-	-	43.759	-	-	-	-	-	43.759			
Subtotal: Hardware - FMU-139D/B Cost	-	-	-	-	-	21.972	-	-	39.026	-	-	43.759	-	-	-	-	-	43.759			
Support - FMU-139D/B Cost																					
Contractor Support	-	-	-	-	-	2.960	-	-	2.000	-	-	2.000	-	-	-	-	-	2.000			
Other Government Costs	-	-	-	-	-	0.504	-	-	0.150	-	-	0.107	-	-	-	-	-	0.107			
Subtotal: Support - FMU-139D/B Cost	-	-	-	-	-	3.464	-	-	2.150	-	-	2.107	-	-	-	-	-	2.107			
Gross/Weapon System Cost	-	-	-	-	-	25.436	-	-	41.176	-	-	45.866	-	-	-	-	-	45.866			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2025 Air Force													Date: March 2024						
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18							P-1 Line Item Number / Title: 356120 / Fuzes							Item Number / Title [DODIC]: (EE27) FMU-167 HTVSF					
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total					
Procurement Quantity (Units in Each)				-		-		-		-		-		-					
Gross/Weapon System Cost (\$ in Millions)				-		9.345		-		-		-		-					
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Net Procurement (P-1) (\$ in Millions)				-		9.345		-		-		-		-					
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Total Obligation Authority (\$ in Millions)				-		9.345		-		-		-		-					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares (\$ in Millions)				-		-		-		-		-		-		-			
Gross/Weapon System Unit Cost (\$ in Millions)				-		-		-		-		-		-		-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total			
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
Hardware - (EE27) FMU-167 HTVSF Cost																			
Recurring Cost																			
(EE27) FMU-167 HTVSF	-	-	-	0.004	2,495	9.345	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	-	-	-	9.345	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - (EE27) FMU-167 HTVSF Cost	-	-	-	-	-	9.345	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost	-	-	-	-	-	9.345	-	-	-	-	-	-	-	-	-	-	-	-	

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force										Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 02: Weapons / BSA 1: Small Arms							P-1 Line Item Number / Title: 357010 / Small Arms					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	11.973	29.306	25.311	-	25.311	27.151	26.377	26.659	27.193	-	173.970
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	11.973	29.306	25.311	-	25.311	27.151	26.377	26.659	27.193	-	173.970
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	11.973	29.306	25.311	-	25.311	27.151	26.377	26.659	27.193	-	173.970
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Small Arms encompasses small caliber, hand fired weapons (pistols and rifles) used to support air base ground defense, aircrew protection, Office of Special Investigations, security functions, and other activities requiring small, portable firearms. This line also procures various accessories needed to improve or maintain existing weapons.  Overseas Operations Costs (OOC) funds this requirement in the amount of \$4,988 thousand for FY 2025 Budget Estimate. Overseas Operations Costs (OOC) are those financed with former Overseas Contingency Operations (OCO) funding.  PEs associated with this P-1 line are 0207227F, 0207580F, 0408011F and 0804731Fk.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2025 Air Force								Date: March 2024		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 02: Weapons / BSA 1: Small Arms						P-1 Line Item Number / Title: 357010 / Small Arms				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	SMALL ARMS Items Less Than \$5M				- / -	- / 11.773	- / 29.304	- / 24.618	- / -	- / 24.618
P-40	Total Gross/Weapon System Cost				- / -	- / 11.973	- / 29.306	- / 25.311	- / -	- / 25.311
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**  
FY2025 Baseline funding in the amount of \$24.361M procures Next Generation Carbines, Next Generation Squad Weapons, M240B Machine Guns (7.26mm), M4A1 Carbines (5.56mm-Auto), and allows for annual replacement of condemned items.

Major FY25 procurements include M3A1 Fire Controls, M4s, and M249 Automatic Rifles.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2025 Air Force																Date: March 2024				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 02 / 1								P-1 Line Item Number / Title: 357010 / Small Arms								Aggregated Items Title: SMALL ARMS Items Less Than \$5M				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2023			FY 2024			FY 2025 Base			FY 2025 OCO			FY 2025 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
SMALL ARMS ITEMS LESS THAN \$5 MILLION																				
Optics	A		-	-	-	-	-	1.754	0.001	6,256	4.885	-	-	-	-	-	-	-	-	-
AN/PEQ-15 Laser Designator	A		-	-	-	0.001	1,200	1.426	0.001	2,000	2.439	0.002	1,558	3.116	-	-	-	0.002	1,558	3.116
M2A1 (.50 Cal Machine Gun)	A		-	-	-	-	-	-	0.013	14	0.180	-	-	-	-	-	-	-	-	-
M320A1	A		-	-	-	-	-	-	0.002	180	0.330	-	-	-	-	-	-	-	-	-
MK19	A		-	-	-	-	-	-	0.015	14	0.214	-	-	-	-	-	-	-	-	-
MK22	A		-	-	-	-	-	-	0.013	105	1.362	-	-	-	-	-	-	-	-	-
M3A1	A		-	-	-	-	-	-	0.040	142	5.680	-	-	-	-	-	-	-	-	-
M3A1 Fire Control	A		-	-	-	-	-	-	0.035	142	4.970	0.035	276	9.660	-	-	-	0.035	276	9.660
M240B Machinegun (7.62mm)	A		-	-	-	0.011	150	1.655	0.012	300	3.672	0.012	130	1.591	-	-	-	0.012	130	1.591
M205 Tripods	A		-	-	-	0.002	400	0.847	-	-	0.000	-	-	-	-	-	-	-	-	-
M249 Automatic Rifle (5.56mm)	A		-	-	-	-	-	-	0.008	243	2.023	0.008	230	1.915	-	-	-	0.008	230	1.915
M4A1 Carbine (5.56mm - Auto)	A		-	-	-	0.001	4,425	3.363	0.001	800	0.522	0.001	2,000	1.306	-	-	-	0.001	2,000	1.306
M4	A		-	-	-	-	-	-	-	-	-	0.001	3,000	2.281	-	-	-	0.001	3,000	2.281
M68 Comp 4S	A		-	-	-	-	-	-	-	-	-	0.001	3,000	2.070	-	-	-	0.001	3,000	2.070
MOD PROJECTS PARTS PROCUREMENT	A		-	-	-	-	-	0.228	-	-	-	-	-	-	-	-	-	-	-	-
FIRST DESTINATION TRANSPORTATION	A		-	-	-	-	-	-	0.500	1	0.500	-	-	-	-	-	-	-	-	-
Program Support Costs, Contractor Services	A		-	-	-	-	-	2.100	2.100	1	2.100	2.100	1	2.100	-	-	-	2.100	1	2.100
Program Support Cost, Other Government Costs	A		-	-	-	-	-	0.400	0.427	1	0.427	0.579	1	0.579	-	-	-	0.579	1	0.579
Subtotal: SMALL ARMS ITEMS LESS THAN \$5 MILLION			-	-	-	-	-	11.773	-	-	29.304	-	-	24.618	-	-	-	-	-	24.618
Total			-	-	-	-	-	11.773	-	-	29.304	-	-	24.618	-	-	-	-	-	24.618

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED