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Exhibit P-40, Budget Line Item Justification: PB 2017 Air Force **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 07: Aircraft Supt Equipment & Facilities / BSA 4: War Consumables

P-1 Line Item Number / Title:
 76 / War Consumables

ID Code (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0207040F, 0305116F

Line Item MDAP/MAIS Code: N/A **Item MDAP/MAIS Code(s):** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	99.487	156.465	120.036	-	120.036	136.141	135.426	28.712	41.102	-	717.369
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	99.487	156.465	120.036	-	120.036	136.141	135.426	28.712	41.102	-	717.369
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	99.487	156.465	120.036	-	120.036	136.141	135.426	28.712	41.102	-	717.369

(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:

This program provides funding for the procurement of initial/replacement War Consumables and includes commodities such as Miniature Air Launched Decoy Jammers (MALD-J), Fiber Optic Towed Decoys (FOTD), Rocket-Assisted Take-Off (RATO) motors. These items support War Reserve Materiel (WRM) requirements and fleet inventory objectives across multiple weapon systems.

DESCRIPTION:

The Miniature Air Launched Decoy (MALD) and Jammer (MALD-J) configurations are key enablers supporting Air Force Global Strike, Global Response, Space and C4ISR, and Air and Space Expeditionary Force Concepts of Operation. MALD is a low cost, powered, expendable decoy designed to represent the kinematics and radar signature characteristics of various combat aircraft. The MALD will be employed from various aircraft platforms to stimulate, saturate, and deceive integrated air defense systems (IADS) thus increasing the survivability of strike aircraft. MALD production is complete and transitioned to sustainment. MALD-J is currently in production and is the DODs only stand-in jamming capability for Airborne Electronic Attack Systems. MALD-J is designed to degrade or deny the IADS detection of friendly aircraft or munitions, and is able to operate in both decoy and jammer modes.

The MALD program plans to use some funds to address Diminishing Manufacturing Sources (DMS), material shortages, obsolescence issues, and reliability improvements, including flight testing.

DESCRIPTION:

The ALE-70 Towed Decoy is a countermeasures dispenser system designed to fit into the F-35 Joint Strike Fighter (JSF) aircraft. The ALE-70 provides aircraft self-protection against radar guided missiles. Funds procure all system components: decoys, canisters, and explosive cartridges to deploy the decoys.

DESCRIPTION:

Items Less Than \$5M: The Rocket-Assisted Take-Off (RATO) motor is a solid propellant rocket used to provide launching thrust to the Air Force Subscale Aerial Target (AFSAT) drone (BQM-167). Support items include reefing line cutters, igniters, and initiators. The RATO and the associated support items are single use items.

Funding for this exhibit contained in Program Element PE 0207442F, 0305116F, 0207040F, and 0208030F.

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Line Item MDAP/MAIS Code: N/A **Item MDAP/MAIS Code(s):** N/A

Exhibits Schedule				Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	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			- / -	- / 11.012	- / 4.427	- / 4.460	- / -	- / 4.460
P-5	MINIATURE AIR LAUNCHED DECOY	P-5a	A	- / -	- / 88.475	- / 152.038	- / 97.212	- / -	- / 97.212
P-40a	War Consumables			- / -	- / -	- / -	- / 18.364	- / -	- / 18.364
P-40	Total Gross/Weapon System Cost			- / -	- / 99.487	- / 156.465	- / 120.036	- / -	- / 120.036

*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:

The FY17 funds allow for a procurement quantity of 200 missiles with no warranty, continue the reliability program and also continue to address DMS.

Items Less Than \$5M: FY17 funding required to procure RATOs, Initiators, Cutter Cartridges, and MK-17 Igniters for BQM-167s.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4 **P-1 Line Item Number / Title:** 76 / War Consumables **Aggregated Items Title:** ITEMS LESS THAN \$5,000,000

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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																				
RATO	A		-	-	-	0.036	277	9.902	0.032	126	3.986	0.031	135	4.243	-	-	-	0.031	135	4.243
Initiator	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mk-17 Igniter	A		-	-	-	-	1,460	0.654	-	700	0.314	-	200	0.090	-	-	-	-	200	0.090
H1.4 Cutter	A		-	-	-	-	3,580	0.456	-	1,000	0.127	-	1,000	0.127	-	-	-	-	1,000	0.127
Subtotal: Uncategorized			-	-	-	-	-	11.012	-	-	4.427	-	-	4.460	-	-	-	-	-	4.460
Total			-	-	-	-	-	11.012	-	-	4.427	-	-	4.460	-	-	-	-	-	4.460

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

Remarks:

RATO procurement costs account for First Article Testing of new assets, transportation costs, inert motors for training, and travel costs

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Exhibit P-5, Cost Analysis: PB 2017 Air Force		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4	P-1 Line Item Number / Title: 76 / War Consumables	Item Number / Title [DODIC]: - / MINIATURE AIR LAUNCHED DECOY

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	88.475	152.038	97.212	-	97.212
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	88.475	152.038	97.212	-	97.212
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	88.475	152.038	97.212	-	97.212

(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 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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 - MINIATURE AIR LAUNCHED DECOY Cost																		
Recurring Cost																		
MALD-J ^(†)	-	-	-	0.366	220	80.575	0.368	360	132.525	0.430	200	85.926	-	-	-	0.430	200	85.926
Program Management Admin (PMA) - Government Cost	-	-	-	-	-	0.534	-	-	0.758	-	-	0.618	-	-	-	-	-	0.618
ECO/ECP	-	-	-	-	-	-	-	-	0.959	-	-	-	-	-	-	-	-	-
Reliability/Test Support/Obsolescence	-	-	-	-	-	5.925	-	-	16.362	-	-	9.151	-	-	-	-	-	9.151
PMA - Contractor Support	-	-	-	-	-	1.441	-	-	1.434	-	-	1.517	-	-	-	-	-	1.517
Subtotal: Recurring Cost	-	-	-	-	-	88.475	-	-	152.038	-	-	97.212	-	-	-	-	-	97.212
Subtotal: Hardware - MINIATURE AIR LAUNCHED DECOY Cost	-	-	-	-	-	88.475	-	-	152.038	-	-	97.212	-	-	-	-	-	97.212
Gross/Weapon System Cost	-	-	-	-	-	88.475	-	-	152.038	-	-	97.212	-	-	-	-	-	97.212

Remarks:

Procurement requirement is for 3000 total units of a MALD (596) and MALD-J (2404) mix.

^(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2017 Air Force **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4	P-1 Line Item Number / Title: 76 / War Consumables	Item Number / Title [DODIC]: - / MINIATURE AIR LAUNCHED DECOY
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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
MALD-J		2015	RAYTHEON / TUCSON, AZ	SS / FFP	AFLCMC/PK Eglin AFB, FL	Mar 2015	Sep 2016	220	0.366	Y		Jun 2013
MALD-J		2016	RAYTHEON / TUCSON, AZ	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Mar 2016	Sep 2017	360	0.368	Y		Jan 2015
MALD-J		2017	RAYTHEON / TUCSON, AZ	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Mar 2017	Sep 2018	200	0.430	Y		Jan 2015

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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 07 / 4	P-1 Line Item Number / Title: 76 / War Consumables	Aggregated Items Title: War Consumables
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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																				
ALE-70 Towed Decoy	A		-	-	-	-	-	-	-	-	0.058	318	18.364	-	-	-	0.058	318	18.364	
Subtotal: Hardware			-	-	-	-	-	-	-	-	-	-	18.364	-	-	-	-	-	18.364	
Total			-	-	-	-	-	-	-	-	-	-	18.364	-	-	-	-	-	18.364	

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