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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 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: A01000 / A-10
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207131F	Other Related Program Elements: 0207131F
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Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A
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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>)	852.718	-	-	1.289	23.850	25.139	-	-	-	-	-	877.857
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	852.718	-	-	1.289	23.850	25.139	-	-	-	-	-	877.857
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	852.718	-	-	1.289	23.850	25.139	-	-	-	-	-	877.857

(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 line item funds modifications and upgrades to the A-10 weapon system to ensure it remains combat effective. The A-10 is a twin engine, single seat aircraft capable of delivering a full range of air-to-ground munitions as well as self-defense air-to-air missiles. The A-10 provides persistent, effective and precise Close Air Support, Interdiction, Forward Air Controller (airborne), Combat Search & Rescue and Strike Control & Reconnaissance.

Funding for this exhibit contained in PE 0207131F.

Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.289	23.850	25.139	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.289	23.850	25.139	-	-	-

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Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
A01000 / A-10

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207131F **Other Related Program Elements:** 0207131F

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***	7856 / MODE S/5 (Capability Improvement)			- / 5.711	- / -	- / -	- / -	- / -	- / -
P-40a***	9804 / A-10 Wing Replacement Program (Reliability & Maintainability)			- / 812.255	- / -	- / -	- / 1.289	- / -	- / 1.289
P-40a***	9806 / A-10 Helmet Mounted Cueing System (Capability Improvement)			- / 33.325	- / -	- / -	- / -	- / -	- / -
P-40a***	9808 / Covert/Overt Landing Light Requirement (COLA) (Capability Improvement)			- / -	- / -	- / -	- / -	- / 0.850	- / 0.850
P-40a***	99999X / Low Cost Modifications (Capability Improvement)			- / 1.427	- / -	- / -	- / -	- / -	- / -
P-3a	9809 / LARS-V12/C SEL (Capability Improvement)			- / -	- / -	- / -	- / -	- / 23.000	- / 23.000
P-40	Total Gross/Weapon System Cost			- / 852.718	- / -	- / -	- / 1.289	- / 23.850	- / 25.139

Exhibits Schedule				FY 2018	FY 2019	FY 2020	FY 2021	To Complete	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***	7856 / MODE S/5 (Capability Improvement)			- / -	- / -	- / -	- / -	- / -	- / 5.711
P-40a***	9804 / A-10 Wing Replacement Program (Reliability & Maintainability)			- / -	- / -	- / -	- / -	- / -	- / 813.544
P-40a***	9806 / A-10 Helmet Mounted Cueing System (Capability Improvement)			- / -	- / -	- / -	- / -	- / -	- / 33.325
P-40a***	9808 / Covert/Overt Landing Light Requirement (COLA) (Capability Improvement)			- / -	- / -	- / -	- / -	- / -	- / 0.850
P-40a***	99999X / Low Cost Modifications (Capability Improvement)			- / -	- / -	- / -	- / -	- / -	- / 1.427
P-3a	9809 / LARS-V12/C SEL (Capability Improvement)			- / -	- / -	- / -	- / -	- / -	- / 23.000
P-40	Total Gross/Weapon System Cost			- / -	- / -	- / -	- / -	- / -	- / 877.857

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*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:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-3a, Individual Modification: PB 2017 Air Force										Date: February 2016		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: A01000 / A-10					Modification Number / Title: 9809 / LARS-V12/C SEL		

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>)	-	-	-	-	23.000	23.000	-	-	-	-	-	23.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	-	23.000	23.000	-	-	-	-	-	23.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	-	23.000	23.000	-	-	-	-	-	23.000

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program, P-3A Mod 9809, LARS-V12/C SEL, is a new start.

This effort will provide significantly enhanced Combat Search and Rescue (CSAR) capabilities for Active Duty A-10 aircraft. LARS/CSEL v12 will provide A-10 pilots with precision based navigation data, secure two-way over-the-horizon data communication, over-the-horizon beacon operation, line-of-sight voice communication and line-of-sight beacon operation. This will improve the ability to locate and recover survivors. LARS/CSEL capable aircraft will display survivor information (coordinates and messaging) in all CSAR aircraft cockpits via data link; improving CSAR participants situational awareness.

Milestone/Development Status

N/A

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	23.000	23.000	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	23.000	23.000	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2017 Air Force										Date: February 2016			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: A01000 / A-10					Modification Number / Title: 9809 / LARS-V12/C SEL			
Models of Systems Affected: A-10				Modification Type: Capability Improvement				Related RDT&E PEs: 0207131F					
Financial Plan	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	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: LARS</i>													
A Kits													
Recurring													
LARS:INSTALL KITS Group A (Active)													
	- / -	- / -	- / -	- / -	141 / 8.989	141 / 8.989	- / -	- / -	- / -	- / -	- / -	141 / 8.989	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / -	- / 8.989	- / 8.989	- / -	- / -	- / -	- / -	- / -	- / 8.989	
B Kits													
Recurring													
LARS:EQUIPMENT Group B (Active)													
	- / -	- / -	- / -	- / -	155 / 13.330	155 / 13.330	- / -	- / -	- / -	- / -	- / -	155 / 13.330	
<i>Subtotal: Recurring</i>													
	- / -	- / -	- / -	- / -	- / 13.330	- / 13.330	- / -	- / -	- / -	- / -	- / -	- / 13.330	
<i>Subtotal: LARS</i>													
	- / -	- / -	- / -	- / -	- / 22.319	- / 22.319	- / -	- / -	- / -	- / -	- / -	- / 22.319	
<i>Subtotal: Procurement, All Modification Items</i>													
	- / -	- / -	- / -	- / -	- / 22.319	- / 22.319	- / -	- / -	- / -	- / -	- / -	- / 22.319	
Support (All Modification Items)													
SUPPORT-EQUIP													
	- / -	- / -	- / -	- / -	- / 0.681	- / 0.681	- / -	- / -	- / -	- / -	- / -	- / 0.681	
<i>Subtotal: Support</i>													
	- / -	- / -	- / -	- / -	- / 0.681	- / 0.681	- / -	- / -	- / -	- / -	- / -	- / 0.681	
Installation													
<i>Subtotal: Installation</i>													
	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)													
	-	-	-	-	23.000	23.000	-	-	-	-	-	23.000	

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Exhibit P-3a, Individual Modification: PB 2017 Air Force	Date: February 2016
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: A01000 / A-10	Modification Number / Title: 9809 / LARS-V12/C SEL
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Modification Item 1 of 1: LARS

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
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Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 11
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Dates	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Contract Dates			Aug 2017				
Delivery Dates			Jul 2018				

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 155
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