Exhibit P-40, Budget Line Item Justification: PB 2020 Air Force

Date: February 2019

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

3010F: Aircraft Procurement. Air Force / BA 04: Other Aircraft / BSA 5: Other

Q020BR / RQ-20B Puma

Aircraft

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

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Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Resource Summary	1 tai 5	F1 2010	F1 2019	Dase	000	IOlai	F 1 202 1	F 1 2022	F1 2023	F1 2024	Complete	TOLAT
Procurement Quantity (Units in Each)	-	-	20	-	18	18	20	19	18	16	-	111
Gross/Weapon System Cost (\$ in Millions)	-	0.000	13.500	0.000	12.150	12.150	13.770	12.813	12.012	10.876	-	75.121
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	=	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	13.500	0.000	12.150	12.150	13.770	12.813	12.012	10.876	-	75.121
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.000	13.500	0.000	12.150	12.150	13.770	12.813	12.012	10.876	-	75.121
(The following	Resource Sum	mary rows are fo	or informational p	urposes only. Th	e corresponding	budget requests	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	0.675	-	0.675	0.675	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	0.675	-	0.675	0.675	0.689	0.674	0.667	0.680	-	0.677

Description:

FY19 funding totals include \$13.5M appropriated for Overseas Contingency Operations.

The RQ-20B is a small un-manned Aircraft System (UAS). It gives situational awareness by providing persistent, intelligence, surveillance, reconnaissance and targeting data (ISRT) to convoy and ground troops.

The RQ-20B has a 9.2 foot wing span, 4.6 foot nose to tail length, a weight 14.6 kg, and is fully waterproof for all environment operations. It is capable of landing in water or on land. It has precision navigation with secondary Global Positioning System (GPS). The RQ-20B is equipped with both an electro-optical (EO) and an infrared (IR) camera. It also has an illuminator-Geo-location, laser marker.

As directed in the FY 2018 NDAA, Sec 825, amendment to PL 114-92 FY 2016 NDAA, Sec 828 Penalty for Cost Overruns, the FY 2018 Air Force penalty total is \$14.373M. The calculated percentage reduction to each research, development, test and evaluation and procurement account will be allocated proportionally from all programs, projects, or activities under such account.

LI Q020BR - RQ-20B Puma

Air Force

UNCLASSIFIED

Page 1 of 6

P-1 Line #18

Volume 1 - 137

Exhibit P-40, Budget Line Item Justification: PB 2020 Air Force

Date: February 2019

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other

Q020BR / RQ-20B Puma

Aircraft

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

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

	Exhibits Schedule				Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)					
P-5	RQ-20B Puma	P-5a, P-21	Α		- / -	- / 0.000	20 / 13.500	- / 0.000	18 / 12.150	18 / 12.150
P-40	Total Gross/Weapon System Cost		- 1 -	- / 0.000	20 / 13.500	- / 0.000	18 / 12.150	18 / 12.150		

Program Elements for Code B Items: N/A

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

Justification:

-The FY20 OCO request will procure RQ-20Bs to support 10 Unit Type Codes (UTCs) (60 x RQ-20B aircraft and associated parts/accessories).

LI Q020BR - RQ-20B Puma Air Force

UNCLASSIFIED Page 2 of 6

Volume 1 - 138 P-1 Line #18

^{*}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.

Exhibit P-5, Cost Analysis: PB 2020 Air Force

Appropriation / Budget Activity / Budget Sub Activity:

3010F / 04 / 5

Date: February 2019

Item Number / Title [DODIC]:

Q020BR / RQ-20B Puma

ID Code (A=Service Ready): A

ID Code (A-Service Ready, B-Not Service Ready) . A		IVIL	AI /IVIAIO OOGE.			
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Procurement Quantity (Units in Each)	-	-	20	-	18	18
Gross/Weapon System Cost (\$ in Millions)	-	0.000	13.500	0.000	12.150	12.150
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	0.000	13.500	0.000	12.150	12.150
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.000	13.500	0.000	12.150	12.150
(The following Resource Summary rows are for information	onal purposes only. The cor	responding budget requests	s are documented elsewher	re.)	1	
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	_	_	0.675	_	0.675	0.675

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

140tc: Gubtotais or Totais i																			
	Prior Years			FY 2018			FY 2019			FY 2020 Base			F	/ 2020 OC	0	FY 2020 Total			
Cost Elements	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	Unit Cost	Qty (Each)	Total Cost (\$ M)	
Flyaway - RQ-20B Puma Cos	it																		
Recurring Cost																			
RQ-20B Puma ^(†)	-	-	-	-	-	0.000	0.675	20	13.500	-	-	0.000	0.675	18	12.150	0.675	18	12.150	
Subtotal: Recurring Cost	-	-	-	-	-	0.000	-	-	13.500	-	-	0.000	-	-	12.150	-	-	12.150	
Subtotal: Flyaway - RQ-20B Puma Cost	-	-	-	-	-	0.000	-	-	13.500	-	-	0.000	-	-	12.150	-	-	12.150	
Gross/Weapon System Cost	-	-	-	-	-	0.000	0.675	20	13.500	-	-	0.000	0.675	18	12.150	0.675	18	12.150	

^(†) indicates the presence of a P-5a

P-1 Line #18

Exhibit P-5a, Procurement History and Planning: PB 2020	Date: February 2019	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: Q020BR / RQ-20B Puma	Item Number / Title [DODIC]: RQ-20B Puma

Cost Elements	0 C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revision Available	RFP Issue Date
RQ-20B Puma ^(†)		2019	AeroVironment / Simi Valley, CA	MIPR	N/A	Mar 2019	Sep 2019	20	0.675	Υ		
RQ-20B Puma ^(†)	✓	2020	AeroVironment / Simi Valley, CA	MIPR	N/A	Mar 2020	Sep 2020	18	0.675	Υ		

^(†) indicates the presence of a P-21

E	khi	ibit	P-	-21, Pro	oduct	ion Sc	hedu	le: PE	3 202	0 Air	Force)													Date	: Feb	ruary	2019)			
_	-	_		ation / 4 / 5	Budg	et Acti	vity /	Budg	get Si	ub Ad	ctivity	/ :		Line 20BR													ber / uma	Title	[DOE	IC]:		
					lements in Each)								Fiscal \	ear 2019											Fiscal Ye	ar 2020						В
	ACCEPT									(Calendar	Year 20	19								Calen	dar Year	2020				Ĺ					
0 C 0	R	FY	,	SERVICE	PROC QTY	PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	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	A U G	S E P	A N C E
RC	Q-20	B Pur	ma																				<u>'</u>									
	1	2019	9 /	AF.	20	0	20						Α -	-	-	-	-	-	1	2	2	2	1	2	1	2	2	2	1	1	1	
✓	1	2020	0 /	AF.	18	0	18							'											Α -	-	-	-	-	-	18	(
								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 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	

Exhibit P-21, Production Schedule: PB 2020 Air Force		Date: February 2019
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	Item Number / Title [DODIC]:
3010F / 04 / 5	Q020BR / RQ-20B Puma	RQ-20B Puma

		Produ	ction Rates (Each	/ Year)				Procurement Le	adtime (Months)			
MFR						Init	ial			Reo	rder	
Ref #		MSR For 2020	1-8-5 For 2020	MAX For 2020	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	AeroVironment - Simi Valley, CA			40	0	0	0	0	0	6	6	12

[&]quot;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 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).

LI Q020BR - RQ-20B Puma Air Force UNCLASSIFIED
Page 6 of 6

P-1 Line #18