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**Exhibit P-40, Budget Line Item Justification:** PB 2020 Air Force **Date:** March 2019

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** PRDTA2 / Predator Hellfire Missile

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0305219F

**Line Item MDAP/MAIS Code:** N/A

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
Procurement Quantity ( <i>Units in Each</i> )	-	5,158	3,734	1,531	2,328	3,859	3,335	966	977	69	-	18,098
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	729.090	379.347	288.765	118.860	180.771	299.631	256.964	74.455	75.817	5.510	-	2,109.579
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	729.090	379.347	288.765	118.860	180.771	299.631	256.964	74.455	75.817	5.510	-	2,109.579
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>729.090</b>	<b>379.347</b>	<b>288.765</b>	<b>118.860</b>	<b>180.771</b>	<b>299.631</b>	<b>256.964</b>	<b>74.455</b>	<b>75.817</b>	<b>5.510</b>	-	<b>2,109.579</b>

*(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> )	-	0.069	0.070	0.070	0.070	0.070	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	0.074	0.077	0.078	0.078	0.078	0.077	0.077	0.078	0.080	-	0.117

**Description:**

FY2018 funding totals include \$344.480M appropriated for Overseas Contingency Operations.  
 FY2019 funding totals include \$255.000M appropriated for Overseas Contingency Operations.

The Army is the Lead Service for the HELLFIRE Missile program with Air Force missiles being procured through the Army's Redstone Arsenal. HELLFIRE missiles (all variants) provide precision-kill capability and has become a key weapon in Overseas Contingency Operations. Laser HELLFIRE uses semi-active laser terminal guidance. The latest variant provides for point target precision strike and is effective against countermeasures. The HELLFIRE missiles are used by the MQ-9 Reaper aircraft.

HELLFIRE procurement funding supports the entire HELLFIRE system to include resolution of obsolescence, end-of-life buys, safety, insensitive munitions, reliability, weapon integration activities, test sets, engineering changes, modifications, facilitization, production ramp-up activities and production issues. Funding may be used to address Diminishing Manufacturing Sources (DMS) issues. HELLFIRE unit cost may vary based on procurement quantities of Lead Service, other Services and/or Foreign Military Sales (FMS) for HELLFIRE and JAGM. Prior to FY2008, HELLFIRE missiles were procured under the Predator PE 0305219F.

Funding for this exhibit contained in PE 0201109F.

Note: 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.

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.

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**Exhibit P-40, Budget Line Item Justification:** PB 2020 Air Force **Date:** March 2019

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F: Missile Procurement, Air Force / BA 02: Other Missiles / BSA 2: Tactical **P-1 Line Item Number / Title:** PRDTA2 / Predator Hellfire Missile

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0305219F

**Line Item MDAP/MAIS Code:** N/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)	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	Predator Hellfire Missile	P-5a, P-21	A		- / 729.090	5,158 / 379.347	3,734 / 288.765	1,531 / 118.860	2,328 / 180.771	3,859 / 299.631
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 729.090</b>	<b>5,158 / 379.347</b>	<b>3,734 / 288.765</b>	<b>1,531 / 118.860</b>	<b>2,328 / 180.771</b>	<b>3,859 / 299.631</b>

\*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:**  
 FY2020 funding procures AGM-114 HELLFIRE missiles, Telemetry Measurement (TM) kits, load training missiles, existing warhead improvements, height-of-burst (HOB) kits and production implementation for the HOB capability for R-model variants which incorporates a multi-purpose warhead, variable delay fuze, and increased lethality. Multiple variants (R-2, R9E etc.) of the HELLFIRE missile may be procured based upon operational requirements for various warheads and the enhanced weapon engagement zone. The HELLFIRE missiles are used for test, training, and operations.

FY2020 budget request will procure 3,859 missiles, to include 2,328 missiles using OCO funding, needed to replenish HELLFIRE inventory levels. Quantities are based on current estimated prices for purchase through the Army.

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<b>Exhibit P-5, Cost Analysis: PB 2020 Air Force</b>											<b>Date:</b> March 2019				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2						<b>P-1 Line Item Number / Title:</b> PRDTA2 / Predator Hellfire Missile					<b>Item Number / Title [DODIC]:</b> Predator Hellfire Missile				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>									
Resource Summary				Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total						
Procurement Quantity (Units in Each)				-	5,158	3,734	1,531	2,328	3,859						
Gross/Weapon System Cost (\$ in Millions)				729.090	379.347	288.765	118.860	180.771	299.631						
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-						
Net Procurement (P-1) (\$ in Millions)				729.090	379.347	288.765	118.860	180.771	299.631						
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-						
<b>Total Obligation Authority (\$ in Millions)</b>				<b>729.090</b>	<b>379.347</b>	<b>288.765</b>	<b>118.860</b>	<b>180.771</b>	<b>299.631</b>						
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>															
Initial Spares (\$ in Millions)				-	-	-	-	-	-						
Gross/Weapon System Unit Cost (\$ in Millions)				-	0.074	0.077	0.078	0.078	0.078						

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

Cost Elements	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 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)
<b>Flyaway - Flyaway End Item Cost</b>																		
Recurring Cost																		
AGM-114 - All-up-Rounds <sup>(†)</sup>	0.075	9,701	729.090	0.069	5,158	354.754	0.070	3,734	261.240	0.070	1,531	107.170	0.070	2,328	162.960	0.070	3,859	270.130
<i>Subtotal: Recurring Cost</i>	-	-	729.090	-	-	354.754	-	-	261.240	-	-	107.170	-	-	162.960	-	-	270.130
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	<b>729.090</b>	-	-	<b>354.754</b>	-	-	<b>261.240</b>	-	-	<b>107.170</b>	-	-	<b>162.960</b>	-	-	<b>270.130</b>
<b>Hardware - Hardware End Item Cost</b>																		
Recurring Cost																		
First Destination Shipping charges	-	-	-	-	-	1.700	-	-	1.800	-	-	1.900	-	-	-	-	-	1.900
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.700	-	-	1.800	-	-	1.900	-	-	-	-	-	1.900
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	<b>1.700</b>	-	-	<b>1.800</b>	-	-	<b>1.900</b>	-	-	-	-	-	<b>1.900</b>
<b>Support - Support End Item Cost</b>																		
Program Management Administration	-	-	-	-	-	12.587	-	-	14.144	-	-	5.384	-	-	9.796	-	-	15.180
Production Engineering Support	-	-	-	-	-	10.306	-	-	11.581	-	-	4.406	-	-	8.015	-	-	12.421
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	<b>22.893</b>	-	-	<b>25.725</b>	-	-	<b>9.790</b>	-	-	<b>17.811</b>	-	-	<b>27.601</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>729.090</b>	<b>0.074</b>	<b>5,158</b>	<b>379.347</b>	<b>0.077</b>	<b>3,734</b>	<b>288.765</b>	<b>0.078</b>	<b>1,531</b>	<b>118.860</b>	<b>0.078</b>	<b>2,328</b>	<b>180.771</b>	<b>0.078</b>	<b>3,859</b>	<b>299.631</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2020 Air Force		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> PRDTA2 / Predator Hellfire Missile	<b>Item Number / Title [DODIC]:</b> Predator Hellfire Missile
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	
<sup>(†)</sup> indicates the presence of a P-5a		

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**Exhibit P-5a, Procurement History and Planning: PB 2020 Air Force** **Date:** March 2019

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> PRDTA2 / Predator Hellfire Missile	<b>Item Number / Title [DODIC]:</b> Predator Hellfire Missile
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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
AGM-114 - All-up-Rounds <sup>(†)</sup>		2016	HELLFIRE Sys Limited Liability / Orlando FL	MIPR	Redstone Arsenal, AL	Feb 2017	Feb 2019	5,713	0.073	Y		Dec 2013
AGM-114 - All-up-Rounds <sup>(†)</sup>		2017	Lockheed Missile and Fire Ctrl / Orlando FL	MIPR	Redstone Arsenal, AL	Aug 2017	Sep 2019	1,131	0.070	Y		Dec 2013
AGM-114 - All-up-Rounds <sup>(†)</sup>		2018	Lockheed Missile and Fire Ctrl / Orlando FL	MIPR	Redstone Arsenal, AL	Sep 2018	Oct 2020	5,158	0.069	Y		Dec 2016
AGM-114 - All-up-Rounds <sup>(†)</sup>		2019	Lockheed Missile and Fire Ctrl / Orlando FL	MIPR	Redstone Arsenal, AL	Sep 2019	Oct 2021	3,734	0.070	Y		Dec 2016
AGM-114 - All-up-Rounds <sup>(†)</sup>		2020	Lockheed Missile and Fire Ctrl / Orlando FL	MIPR	Redstone Arsenal, AL	Sep 2020	Oct 2022	1,531	0.070	Y		Dec 2016
AGM-114 - All-up-Rounds <sup>(†)</sup>	✓	2020	Lockheed Missile and Fire Ctrl / Orlando FL	MIPR	Redstone Arsenal, AL	Sep 2020	Oct 2022	2,328	0.070	Y		Dec 2016

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

**Remarks:**

Army Redstone Arsenal awarded a Fixed Price Incentive Firm (FPIF) contract for FY15-FY17 all-up-round missile procurement in September 2015. The Undefined Contract Action (UCA) for FY15 and FY16 contracts definitized in February 2017. The FY17 contract was awarded in August 2017.

Army Redstone Arsenal awarded a FPIF contract for FY18-21 all-up-round missile procurement in September 2018.

FY16, FY17, and FY18 represent remaining undelivered quantities.

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**Exhibit P-21, Production Schedule:** PB 2020 Air Force **Date:** March 2019

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> PRDTA2 / Predator Hellfire Missile	<b>Item Number / Title [DODIC]:</b> Predator Hellfire Missile
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017												Fiscal Year 2018												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												
							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
AGM-114 - All-up-Rounds																															
Prior Years Deliveries: 2857																															
	1	2016	AF	5,713	0	5,713																								5,713	
	2	2017	AF	1,131	0	1,131																								1,131	
	2	2018	AF	5,158	0	5,158																								5,158	
	2	2019	AF	3,734	0	3,734																								3,734	
	2	2020	AF	1,531	0	1,531																								1,531	
	2	2020	ARMY (*)	5,112	0	5,112																								5,112	
	<b>2</b>	<b>2020</b>	<b>Total Base</b>	<b>6,643</b>	<b>0</b>	<b>6,643</b>																								<b>6,643</b>	
✓	2	2020	AF	2,328	0	2,328																								2,328	
							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	

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**Exhibit P-21, Production Schedule:** PB 2020 Air Force **Date:** March 2019

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> PRDTA2 / Predator Hellfire Missile	<b>Item Number / Title [DODIC]:</b> Predator Hellfire Missile
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2019													Fiscal Year 2020													BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019													Calendar Year 2020													
							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			
AGM-114 - All-up-Rounds																																	
Prior Years Deliveries: 2857																																	
	1	2016	AF	5,713	0	5,713	-	-	-	-	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	0			
	2	2017	AF	1,131	0	1,131	-	-	-	-	-	-	-	-	-	-	-	94	94	94	94	94	94	94	94	94	94	94	94	0			
	2	2018	AF	5,158	0	5,158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,158			
	2	2019	AF	3,734	0	3,734																								3,734			
	2	2020	AF	1,531	0	1,531												A	-	-	-	-	-	-	-	-	-	-	-	A -	1,531		
	2	2020	ARMY (*)	5,112	0	5,112																								A -	5,112		
	2	2020	<b>Total Base</b>	<b>6,643</b>	<b>0</b>	<b>6,643</b>																								-	<b>6,643</b>		
✓	2	2020	AF	2,328	0	2,328																								A -	2,328		
							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			

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**Exhibit P-21, Production Schedule:** PB 2020 Air Force **Date:** March 2019

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** PRDTA2 / Predator Hellfire Missile **Item Number / Title [DODIC]:** Predator Hellfire Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2021												Fiscal Year 2022												BALANCE	
O 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
AGM-114 - All-up-Rounds																															
Prior Years Deliveries: 2857																															
	1	2016	AF	5,713	5,713	0																							0		
	2	2017	AF	1,131	1,131	0																							0		
	2	2018	AF	5,158	0	5,158	429	429	430	430	430	430	430	430	430	430													0		
	2	2019	AF	3,734	0	3,734	-	-	-	-	-	-	-	-	-	-	311	311	311	311	311	311	311	311	311	311	312	312	0		
	2	2020	AF	1,531	0	1,531	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,531		
	2	2020	ARMY (*)	5,112	0	5,112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,112		
	<b>2</b>	<b>2020</b>	<b>Total Base</b>	<b>6,643</b>	<b>0</b>	<b>6,643</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>6,643</b>		
✓	2	2020	AF	2,328	0	2,328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,328		
							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	



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**Exhibit P-21, Production Schedule:** PB 2020 Air Force **Date:** March 2019

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> PRDTA2 / Predator Hellfire Missile	<b>Item Number / Title [DODIC]:</b> Predator Hellfire Missile
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023												Fiscal Year 2024												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T O 1 OCT 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
AGM-114 - All-up-Rounds																															
Prior Years Deliveries: 2857																															
	1	2016	AF	5,713	5,713	0																							0		
	2	2017	AF	1,131	1,131	0																							0		
	2	2018	AF	5,158	5,158	0																							0		
	2	2019	AF	3,734	3,734	0																							0		
	2	2020	AF	1,531	0	1,531	127	127	127	127	127	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	0		
	2	2020	ARMY (+)	5,112	0	5,112	427	427	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	0		
	<b>2</b>	<b>2020</b>	<b>Total Base</b>	<b>6,643</b>	<b>0</b>	<b>6,643</b>	<b>554</b>	<b>554</b>	<b>553</b>	<b>553</b>	<b>553</b>	<b>554</b>	<b>554</b>	<b>554</b>	<b>554</b>	<b>554</b>	<b>554</b>	<b>554</b>	<b>554</b>	<b>553</b>	<b>553</b>								<b>0</b>		
✓	2	2020	AF	2,328	0	2,328	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	0		
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2020 Air Force	<b>Date:</b> March 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> PRDTA2 / Predator Hellfire Missile	<b>Item Number / Title [DODIC]:</b> Predator Hellfire Missile
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2020	1-8-5 For 2020	MAX For 2020	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	HELLFIRE Sys Limited Liability - Orlando FL				0	0	0	0	0	0	0	0	0
2	Lockheed Missile and Fire Ctrl - Orlando FL	3,600	6,000	11,000	5	0	0	0	0	5	12	25	37

**Remarks:**

Yearly Minimum Sustainment Rate (MSR) = 3,600 missiles.  
 Yearly Economical Production Rate (1-8-5) = 6,000 missiles.  
 Yearly Maximum Production Rate (MPR) = 11,000 missiles.

MSR and MPR consist of the sum of USAF, USN, Army, approved FMS, and Joint-Air-to-Ground Missile (JAGM) procurements for the year.

JAGM guidance section is integrated with the HELLFIRE II propulsion, warhead, and control section, and shares the HELLFIRE production capacity. Reference BP20 JAGM00 for JAGM procurement.

FMS orders are procured through the Army and are funded through a separate Line Item therefore delivery schedule may exceed 12 months.

(‡) 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 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).