

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System

**P-1 Line Item Number / Title:**  
1338C70000 / Hellfire Sys Summary

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203802A, 0210109A

**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> )	68,777	5,233	2,309	-	5,112	5,112	5,056	1,154	1,462	129	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	4,017.780	432.933	193.674	-	429.549	429.549	480.428	147.491	182.905	36.256	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	44.275	-	-	-	-	-	-	-	-	-	-	44.275
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,973.505	432.933	193.674	-	429.549	429.549	480.428	147.491	182.905	36.256	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	44.275	-	-	-	-	-	-	-	-	-	-	44.275
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>4,017.780</b>	<b>432.933</b>	<b>193.674</b>	<b>-</b>	<b>429.549</b>	<b>429.549</b>	<b>480.428</b>	<b>147.491</b>	<b>182.905</b>	<b>36.256</b>	<b>Continuing</b>	<b>Continuing</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 Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	58.417	82.731	83.878	-	84.028	84.028	95.021	127.808	125.106	281.054	Continuing	Continuing

**Description:**

FY 2020 funding totals include \$0.0M for Base and \$429.549M for Overseas Contingency Operations (OCO); of which \$193.284M and 1,870 quantity is realigned as part of the OCO for Base Requirements. FY 2020 OCO for Base Requirements is OCO funding for base budget requirements in support of the National Defense Strategy. The Budget requests these funds in OCO to comply with the base budget defense caps included in the Budget Control Act of 2011.

The HELLFIRE II and Longbow family of air-to-ground missiles (all variants) provide attack helicopters and unmanned aircraft systems (UAS) with point-target precision strike capability to defeat heavy, advanced armor, individual hard point and non-traditional targets. HELLFIRE II Missiles use a semi-active laser terminal guidance and are the primary armaments of the AH-64 Apache, Army UAS and Special Operations aircraft. The HELLFIRE II includes Electro-Optical Countermeasure capability, warhead improvements and an updated electronic fuze. The AGM-114R HELLFIRE II family of missiles replaces all other HELLFIRE II missile configurations (K/N/M/P) except HELLFIRE Longbow. HELLFIRE II procurement funding supports the entire HELLFIRE II and HELLFIRE Longbow systems to include resolution of obsolescence, end-of-life buys, safety, insensitive munitions, reliability, weapon integration activities, test sets, engineering changes, facilitization, production ramp-up activities and production issues. This missile is compatible on all current force UAS and rotary wing platforms.

Secondary Distribution		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024
Army	Quantity	5,233	2,309	0	5,112	5,112	5,056	1,154	1,462	129
	Total Obligation Authority	432.933	193.674	0.000	429.549	429.549	480.428	147.491	182.905	36.256
<b>Total:</b> <b>Secondary Distribution</b>	<b>Quantity</b>	<b>5,233</b>	<b>2,309</b>	<b>0</b>	<b>5,112</b>	<b>5,112</b>	<b>5,056</b>	<b>1,154</b>	<b>1,462</b>	<b>129</b>
	<b>Total Obligation Authority</b>	<b>432.933</b>	<b>193.674</b>	<b>-</b>	<b>429.549</b>	<b>429.549</b>	<b>480.428</b>	<b>147.491</b>	<b>182.905</b>	<b>36.256</b>

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

**Appropriation / Budget Activity / Budget Sub Activity:** 2032A: Missile Procurement, Army / BA 02: Other Missiles / BSA 20: Air-To-Surface Missile System **P-1 Line Item Number / Title:** 1338C70000 / Hellfire Sys Summary

**ID Code** (A=Service Ready, B=Not Service Ready): A **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0203802A, 0210109A

**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	C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)	P-5a, P-21			68,777 / 4,017.780	5,233 / 432.933	2,309 / 193.674	- / -	5,112 / 429.549	5,112 / 429.549
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>68,777 / 4,017.780</b>	<b>5,233 / 432.933</b>	<b>2,309 / 193.674</b>	<b>- / -</b>	<b>5,112 / 429.549</b>	<b>5,112 / 429.549</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:**

FY 2020 OCO for Base procurement dollars in the amount of \$193.284M support the production of 1,870 quantity.  
 FY2020 Direct OCO procurement dollars in the amount of \$236.265M supports production of 3,242 quantity.

FY19 All-up Round Unit Cost is based on a total qty of 11,000 missiles across all Customers.  
 FY20 All-up Round Unit Cost is based on a total qty of 11,000 missiles across all Customers.

The Army intends to convert any price advantage created through contract negotiations, other service procurement and/or Foreign Military sales (FMS) to increase the Army procurement of HELLFIRE II missiles.

The historical Army Acquisition Objective was 34,292.

HELLFIRE Product Office is the Procuring Agency for all Services.

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.

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<b>Exhibit P-5, Cost Analysis: PB 2020 Army</b>		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20	<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary	<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary		Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Procurement Quantity (Units in Each)		68,777	5,233	2,309	-	5,112	5,112
Gross/Weapon System Cost (\$ in Millions)		4,017.780	432.933	193.674	-	429.549	429.549
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		4,017.780	432.933	193.674	-	429.549	429.549
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>4,017.780</b>	<b>432.933</b>	<b>193.674</b>	<b>-</b>	<b>429.549</b>	<b>429.549</b>

*(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 Thousands)		58.417	82.731	83.878	-	84.028	84.028

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 (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
All-up Rounds <sup>(†)</sup>	44.018	68,777	3,027.450	69.764	5,233	365.077	70.833	2,309	163.553	-	-	-	72.876	5,112	372.544	72.876	5,112	372.544
Engineering Services	-	-	454.811	-	-	41.968	-	-	9.688	-	-	-	-	-	31.591	-	-	31.591
Acceptance Testing	-	-	85.541	-	-	1.413	-	-	2.045	-	-	-	-	-	2.086	-	-	2.086
<i>Subtotal: Recurring Cost</i>	-	-	<i>3,567.778</i>	-	-	<i>408.456</i>	-	-	<i>175.286</i>	-	-	<i>0.000</i>	-	-	<i>406.219</i>	-	-	<i>406.219</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>3,567.778</i>	-	-	<i>408.456</i>	-	-	<i>175.286</i>	-	-	<i>0.000</i>	-	-	<i>406.219</i>	-	-	<i>406.219</i>
Support - Fielding Cost																		
Fielding	-	-	37.734	-	-	1.633	-	-	6.423	-	-	-	-	-	4.982	-	-	4.982
<i>Subtotal: Support - Fielding Cost</i>	-	-	<i>37.734</i>	-	-	<i>1.633</i>	-	-	<i>6.423</i>	-	-	<i>0.000</i>	-	-	<i>4.982</i>	-	-	<i>4.982</i>
Support - Production Engineering Cost																		
Production Engineering	-	-	182.942	-	-	12.317	-	-	5.398	-	-	-	-	-	9.984	-	-	9.984
<i>Subtotal: Support - Production Engineering Cost</i>	-	-	<i>182.942</i>	-	-	<i>12.317</i>	-	-	<i>5.398</i>	-	-	<i>0.000</i>	-	-	<i>9.984</i>	-	-	<i>9.984</i>
Support - Program Management Cost																		
Government Management	-	-	229.314	-	-	10.525	-	-	6.567	-	-	-	-	-	8.364	-	-	8.364
<i>Subtotal: Support - Program Management Cost</i>	-	-	<i>229.314</i>	-	-	<i>10.525</i>	-	-	<i>6.567</i>	-	-	<i>0.000</i>	-	-	<i>8.364</i>	-	-	<i>8.364</i>
<b>Gross/Weapon System Cost</b>	<b>58.417</b>	<b>68,777</b>	<b>4,017.780</b>	<b>82.731</b>	<b>5,233</b>	<b>432.933</b>	<b>83.878</b>	<b>2,309</b>	<b>193.674</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>84.028</b>	<b>5,112</b>	<b>429.549</b>	<b>84.028</b>	<b>5,112</b>	<b>429.549</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2020 Army		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20	<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary	<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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**Remarks:**  
Fixed Price Incentive Fee (FPIF)

The production unit cost is based on all Services' base and Overseas Contingency Operations (OCO) quantity requirements known at this time. Above quantities are Army only. Total quantities include procurement by US Air Force, US Navy, US Army and FMS cases. Excess capacity will determine future FMS quantity availability. All procurement of Hellfire II AGM-114R missiles are reflected on the P21.

Exhibit P-5: Program Management and Production Engineering costs may vary based on a pro-rata share of quantities procured by all customers.

Based on contract structure, all customers pay the same Unit Cost for the same configuration.

Secondary Distribution		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Army	Quantity	5,233	2,309	0	5,112	5,112
	Total Obligation Authority	432.933	193.674	0.000	429.549	429.549
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>5,233</b>	<b>2,309</b>	<b>-</b>	<b>5,112</b>	<b>5,112</b>
	<b>Total Obligation Authority</b>	<b>432.933</b>	<b>193.674</b>	<b>-</b>	<b>429.549</b>	<b>429.549</b>

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

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2020 Army							<b>Date:</b> March 2019					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20			<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary				<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)					

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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
All-up Rounds <sup>(†)</sup>		2016	HELLFIRE Sys Limited Liability / Orlando	SS / FPIF	Redstone Arsenal, AL	Feb 2017	Mar 2019	113	175.000	Y		Dec 2013
All-up Rounds <sup>(†)</sup>		2016	HF Sys Limited Liability / Orlando	SS / FPIF	Redstone Arsenal, AL	Feb 2017	Mar 2019	270	121.000	Y		Dec 2013
All-up Rounds <sup>(†)</sup>		2017	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	Sep 2017	Oct 2019	4,362	74.160	Y		Dec 2013
All-up Rounds <sup>(†)</sup>		2018	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	Sep 2018	Oct 2020	5,233	69.764	Y		Dec 2016
All-up Rounds <sup>(†)</sup>		2019	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	Sep 2019	Oct 2021	2,309	70.833	Y		Dec 2016
All-up Rounds <sup>(†)</sup>	✓	2020	Lockheed Missile and Fire Ctrl / Orlando	SS / FPIF	Redstone Arsenal, AL	Sep 2020	Oct 2022	5,112	72.876	Y		Dec 2016

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

**Remarks:**  
Fixed Price Incentive Fee (FPIF)

The production unit cost is based on all Services' base and Overseas Contingency Operations (OCO) quantity requirements known at this time. Above quantities are Army only. Total quantities include procurement by US Air Force, US Navy, US Army and FMS cases. Excess capacity will determine future FMS quantity availability. All procurement of Hellfire II AGM-114R missiles are reflected on the P21.

See Exhibit P-5 for Unit Cost. Program Management, Production Engineering and unit cost may change based on quantities procured by all Services and Foreign Military Sales (FMS) customers.

Based on contract structure all customers pay the same Unit Cost for the same configuration.

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<b>Exhibit P-21, Production Schedule:</b> PB 2020 Army										<b>Date:</b> March 2019									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20					<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary										<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)				

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2017												Fiscal Year 2018												BALANCE	
OCO #	MFR FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP
All-up Rounds																														
Prior Years Deliveries: 64032																														
	1	2016	ARMY	113	0	113																							113	
	2	2016	ARMY	270	0	270																							270	
	3	2017	ARMY	4,362	0	4,362																							4,362	
	3	2018	ARMY	5,233	0	5,233																							5,233	
	3	2019	ARMY	2,309	0	2,309																							2,309	
	✓ 3	2020	AF (†)	3,859	0	3,859																							3,859	
	✓ 3	2020	ARMY	5,112	0	5,112																							5,112	
	✓ 3	2020	<b>Total OCO</b>	<b>8,971</b>	<b>0</b>	<b>8,971</b>																							<b>8,971</b>	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

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<b>Exhibit P-21, Production Schedule:</b> PB 2020 Army															<b>Date:</b> March 2019														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary										<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2019													Fiscal Year 2020													BALANCE	
OCO #	MFR FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019													Calendar Year 2020													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
All-up Rounds																																
Prior Years Deliveries: 64032																																
1	2016	ARMY	113	0	113	-	-	-	-	-	-	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	0				
2	2016	ARMY	270	0	270	-	-	-	-	-	-	23	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	0				
3	2017	ARMY	4,362	0	4,362	-	-	-	-	-	-	-	-	-	-	-	-	-	364	364	364	364	364	364	364	364	364	0				
3	2018	ARMY	5,233	0	5,233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,233				
3	2019	ARMY	2,309	0	2,309													A	-	-	-	-	-	-	-	-	-	2,309				
✓ 3	2020	AF (†)	3,859	0	3,859																							A - 3,859				
✓ 3	2020	ARMY	5,112	0	5,112																							A - 5,112				
✓ 3	2020	<b>Total OCO</b>	<b>8,971</b>	<b>0</b>	<b>8,971</b>																							- 8,971				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

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<b>Exhibit P-21, Production Schedule:</b> PB 2020 Army															<b>Date:</b> March 2019														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary										<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)									

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			
All-up Rounds																																	
Prior Years Deliveries: 64032																																	
	1	2016	ARMY	113	113	0																							0				
	2	2016	ARMY	270	270	0																							0				
	3	2017	ARMY	4,362	4,362	0																							0				
	3	2018	ARMY	5,233	0	5,233	437	436	436	436	436	436	436	436	436	436													0				
	3	2019	ARMY	2,309	0	2,309	-	-	-	-	-	-	-	-	-	-	193	193	193	193	193	193	192	192	192	192	192	192	0				
✓	3	2020	AF (†)	3,859	0	3,859	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,859				
✓	3	2020	ARMY	5,112	0	5,112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,112				
✓	3	2020	<b>Total OCO</b>	<b>8,971</b>	<b>0</b>	<b>8,971</b>																						<b>8,971</b>					
							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 Army															<b>Date:</b> March 2019														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20										<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary										<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2023													Fiscal Year 2024													BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 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			
All-up Rounds																																	
Prior Years Deliveries: 64032																																	
	1	2016	ARMY	113	113	0																								0			
	2	2016	ARMY	270	270	0																								0			
	3	2017	ARMY	4,362	4,362	0																								0			
	3	2018	ARMY	5,233	5,233	0																								0			
	3	2019	ARMY	2,309	2,309	0																								0			
✓	3	2020	AF (†)	3,859	0	3,859	322	322	322	322	322	322	322	321	321	321	321													0			
✓	3	2020	ARMY	5,112	0	5,112	427	427	426	426	426	426	426	426	426	426	425	425												0			
✓	3	2020	<b>Total OCO</b>	<b>8,971</b>	<b>0</b>	<b>8,971</b>	<b>749</b>	<b>749</b>	<b>748</b>	<b>748</b>	<b>748</b>	<b>748</b>	<b>748</b>	<b>747</b>	<b>747</b>	<b>747</b>	<b>746</b>	<b>746</b>	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>			
							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 Army		<b>Date:</b> March 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2032A / 02 / 20		<b>P-1 Line Item Number / Title:</b> 1338C70000 / Hellfire Sys Summary
<b>Item Number / Title [DODIC]:</b> C70100 / LASER HELLFIRE MSL (BASIC/IHW/HFII)		

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	3,600	6,000	11,000	5	12	24	36	5	12	24	36
2	HF Sys Limited Liability - Orlando	3,600	6,000	11,000	5	12	24	36	5	12	24	36
3	Lockheed Missile and Fire Ctrl - Orlando	3,600	6,000	11,000	5	12	24	36	5	12	24	36

**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.

(‡) 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).