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**Exhibit P-40, Budget Line Item Justification:** PB 2020 Air Force **Date:** February 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:** JASSM0 / Joint Air-Surface Standoff Missile

**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:** 555

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> )	2,934	360	360	411	19	430	297	265	273	263	2,018	7,200
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,100.653	433.117	602.828	482.525	20.900	503.425	417.450	438.335	450.234	440.337	2,967.785	9,354.164
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,100.653	433.117	602.828	482.525	20.900	503.425	417.450	438.335	450.234	440.337	2,967.785	9,354.164
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>3,100.653</b>	<b>433.117</b>	<b>602.828</b>	<b>482.525</b>	<b>20.900</b>	<b>503.425</b>	<b>417.450</b>	<b>438.335</b>	<b>450.234</b>	<b>440.337</b>	<b>2,967.785</b>	<b>9,354.164</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	0.425	0.434	-	0.434	0.440	0.449	0.457	0.465	-	2.670
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	1.057	1.203	1.675	1.174	1.100	1.171	1.406	1.654	1.649	1.674	1.471	1.299

**Description:**

FY19 funding totals include \$61.6M appropriated for European Deterrence Initiative (EDI). These funds procure 48 missiles.

The Joint Air-to-Surface Standoff Missile (JASSM) is an ACAT 1C program. This program provides a long range, conventional air-to-surface, autonomous, precision guided, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets. The JASSM Family of missiles includes: JASSM Baseline (JASSM-BL/AGM-158A) and JASSM Extended Range (JASSM-ER/AGM-158B), and AGM-158D. Aircraft integration for JASSM-BL is complete on the B-52H, F-16 (Block 40-52), B-1, B-2, and F-15E. Aircraft integration for JASSM-ER is complete on the B-1, F-15 and B-52. Objective aircraft are the B-52, F16, B-2 and F-15. JASSM Lots 1 - 10 are covered under an Original Equipment Manufacture (OEM) warranty; 15 years for JASSM-ER and 20 years for JASSM-BL. Lots 11 and beyond are covered under a Contractor Logistics Support (CLS) contract and missile initial/replenishment spares program funds are required to fill the initial spare parts pipeline under this program. Procurement quantities are estimates only and fall within a range of quantities based on negotiations for each specific lot contract. Total procurement of 7,200 includes JASSM-BL (AGM-158A), JASSM-ER (AGM-158B), and AGM-158D which provides a capability upgrade. FY20 procurement includes AGM-158D. Funding and quantity information prior to FY17 is identified in P-1 line item 654515.

JASSM-ER started FRP in FY15, and JASSM-ER achieved Initial Operational Capability (IOC) in December 2014 on the B-1B. FY20 will be the 18th production lot for the JASSM program. The program also plans to use some funds to address Diminishing Manufacturing Sources (DMS) material shortages, obsolescence issues, and reliability improvement, including flight testing.

Funding for this exhibit is contained in PE 0207325F.

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:** February 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:** JASSM0 / Joint Air-Surface Standoff Missile

**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:** 555

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	JASSM0 JASSM Baseline	P-5a, P-21	A		2,034 / 1,836.328	- / -	- / -	- / -	- / -	- / -
P-5	Joint Air-Surface Standoff Missile	P-5a, P-21	A		900 / 1,264.325	360 / 433.117	360 / 602.828	411 / 482.525	19 / 20.900	430 / 503.425
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>2,934 / 3,100.653</b>	<b>360 / 433.117</b>	<b>360 / 602.828</b>	<b>411 / 482.525</b>	<b>19 / 20.900</b>	<b>430 / 503.425</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:**

FY19 funding totals include Congressional program increase of \$125.000M.

FY20 funding totals include \$482.525M in base to procure 411 missiles and \$20.900M in Overseas Contingency Operations (OCO) to procure 19 missiles.

Test Support/Reliability/Obsolescence impacted due to a 48% inventory level increase. The program will continue reliability initiatives including Weapon System Evaluation Program (WSEP) flight testing of current production missiles.

Funds may be used to resolve production DMSMS/Obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply, and qualification activities to preserve future production capabilities and capacity.

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.

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<b>Exhibit P-5, Cost Analysis: PB 2020 Air Force</b>		<b>Date:</b> February 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> JASSM0 JASSM Baseline

<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)		2,034	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		1,836.328	-	-	-	-	-
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)		1,836.328	-	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>		<b>1,836.328</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)		0.903	-	-	-	-	-

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)
Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
JASSM BL AGM-158A <sup>(†)</sup>	0.698	2,034	1,420.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	1,420.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	<b>1,420.038</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Support End Item Cost																		
Program Management Administration (PMA)-A&AS	-	-	9.526	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management Administration (PMA)-Gov't Cost	-	-	24.178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Test Support/Reliability/Obsolescence	-	-	253.711	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prime Contractor Support	-	-	99.286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JPO Tech Supt	-	-	29.589	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	<b>416.290</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	<b>0.903</b>	<b>2,034</b>	<b>1,836.328</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:** February 2019

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> JASSM0 JASSM Baseline
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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
JASSM BL AGM-158A <sup>(†)</sup>		2015	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Oct 2015	Feb 2017	100	0.860	Y		Jul 2012
JASSM BL AGM-158A <sup>(†)</sup>		2016	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Dec 2015	Jan 2018	100	0.842	Y		Jan 2014

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



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

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** JASSM0 / Joint Air-Surface Standoff Missile **Item Number / Title [DODIC]:** JASSM0 JASSM Baseline

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018													Fiscal Year 2019													BALANCE					
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018													Calendar Year 2019																	
							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							
JASSM BL AGM-158A																																					
Prior Years Deliveries: 1834																																					
1	2015	AF <sup>(1)</sup>	100	77	23	16	7																														0
1	2015	FMS <sup>(#)(2)</sup>	40	40	0	-	-																														0
<b>1</b>	<b>2015</b>	<b>Total</b>	<b>140</b>	<b>117</b>	<b>23</b>	<b>16</b>	<b>7</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
1	2016	AF	100	0	100	-	-	-	10	10	10	10	10	10	10	10	8	4	4	4																	0
1	2016	FMS <sup>(#)</sup>	46	0	46	-	-	-	-	-	-	7	6	5	3	3	2	6	7	7																	0
<b>1</b>	<b>2016</b>	<b>Total</b>	<b>146</b>	<b>0</b>	<b>146</b>	-	-	-	<b>10</b>	<b>10</b>	<b>10</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>13</b>	<b>13</b>	<b>10</b>	<b>10</b>	<b>11</b>	<b>11</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 Air Force	<b>Date:</b> February 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> JASSM0 JASSM Baseline
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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	Lockheed Martin - Troy, Alabama				0	0	0	0	0	0	3	25	28

**Remarks:**

The last JASSM-Baseline was delivered on 20 December 18.

(‡) 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).

**Footnotes:**

- (1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2017 loaded in the month of first delivery.
- (2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2017 loaded in the month of first delivery.

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**Exhibit P-5, Cost Analysis: PB 2020 Air Force** **Date:** February 2019

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile
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**ID Code** (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Procurement Quantity (Units in Each)	900	360	360	411	19	430
Gross/Weapon System Cost (\$ in Millions)	1,264.325	433.117	602.828	482.525	20.900	503.425
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,264.325	433.117	602.828	482.525	20.900	503.425
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1,264.325</b>	<b>433.117</b>	<b>602.828</b>	<b>482.525</b>	<b>20.900</b>	<b>503.425</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	0.000	0.425	0.434	-	0.434
Gross/Weapon System Unit Cost (\$ in Millions)	1.405	1.203	1.675	1.174	1.100	1.171

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)
Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
JASSM ER AGM-158B <sup>(†)</sup>	1.252	900	1,126.486	1.063	360	382.680	1.050	360	377.985	1.048	371	388.890	1.048	19	19.916	1.048	390	408.806
Engineering Change Orders	-	-	-	-	-	5.960	-	-	5.843	-	-	7.139	-	-	-	-	-	7.139
JASSM AGM-158D <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	1.325	40	53.000	-	-	-	1.325	40	53.000
<i>Subtotal: Recurring Cost</i>	-	-	1,126.486	-	-	388.640	-	-	383.828	-	-	449.029	-	-	19.916	-	-	468.945
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	1,126.486	-	-	388.640	-	-	383.828	-	-	449.029	-	-	19.916	-	-	468.945
Support - Support End Item Cost																		
Program Management Administration (PMA)-A&AS	-	-	6.977	-	-	2.610	-	-	3.079	-	-	3.163	-	-	-	-	-	3.163
Program Management Administration (PMA)-Gov't Cost	-	-	2.916	-	-	1.648	-	-	1.066	-	-	1.095	-	-	-	-	-	1.095
Test Support/Reliability/Obsolescence	-	-	116.136	-	-	31.199	-	-	46.589	-	-	19.720	-	-	0.984	-	-	20.704
Prime Contractor Support	-	-	11.810	-	-	9.020	-	-	9.266	-	-	9.518	-	-	-	-	-	9.518
Facilitization	-	-	-	-	-	-	-	-	159.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support End Item Cost</i>	-	-	137.839	-	-	44.477	-	-	219.000	-	-	33.496	-	-	0.984	-	-	34.480
<b>Gross/Weapon System Cost</b>	<b>1.405</b>	<b>900</b>	<b>1,264.325</b>	<b>1.203</b>	<b>360</b>	<b>433.117</b>	<b>1.675</b>	<b>360</b>	<b>602.828</b>	<b>1.174</b>	<b>411</b>	<b>482.525</b>	<b>1.100</b>	<b>19</b>	<b>20.900</b>	<b>1.171</b>	<b>430</b>	<b>503.425</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2020 Air Force		<b>Date:</b> February 2019
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>	

(†) indicates the presence of a P-5a

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff 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
JASSM ER AGM-158B <sup>(†)</sup>		2016	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Dec 2015	Jan 2018	240	1.173	Y		Jan 2014
JASSM ER AGM-158B <sup>(†)</sup>		2017	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Jun 2017	Jan 2019	360	1.146	Y		Aug 2016
JASSM ER AGM-158B <sup>(†)</sup>		2018	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Oct 2018	Jan 2020	360	1.063	Y		Jul 2017
JASSM ER AGM-158B <sup>(†)</sup>		2019	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Jun 2019	Jan 2021	360	1.050	Y		Jul 2018
JASSM ER AGM-158B <sup>(†)</sup>		2020	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Jun 2020	Jan 2022	371	1.048	Y		Jul 2019
JASSM ER AGM-158B <sup>(†)</sup>	✓	2020	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Jun 2020	Apr 2022	19	1.048	Y		Jul 2019
JASSM AGM-158D <sup>(†)</sup>		2020	Lockheed Martin / Troy, Alabama	SS / FPIF	AFLCMC/PK Eglin AFB, FL	Jun 2020	Oct 2022	40	1.325	Y		Jul 2019

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

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

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff Missile
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							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
JASSM ER AGM-158B																															
Prior Years Deliveries: 300																															
	1	2016	AF	240	0	240			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240		
	1	2017	AF	360	0	360																					A -	-	360		
	1	2018	AF	360	0	360																							360		
	1	2019	AF	360	0	360																							360		
	1	2019	FMS (‡)	40	0	40																							40		
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>400</b>	<b>0</b>	<b>400</b>																							<b>400</b>		
	1	2020	AF	371	0	371																							371		
✓	1	2020	AF	19	0	19																							19		
JASSM AGM-158D																															
	2	2020	AF	40	0	40																							40		
							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:** February 2019

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** JASSM0 / Joint Air-Surface Standoff Missile **Item Number / Title [DODIC]:** Joint Air-Surface Standoff Missile

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2018														Fiscal Year 2019														BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018														Calendar Year 2019														
							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					
JASSM ER AGM-158B																																			
Prior Years Deliveries: 300																																			
	1	2016	AF	240	0	240	-	-	-	20	20	20	20	20	20	20	20	20	20	20	20								0						
	1	2017	AF	360	0	360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	30	30	30	30	30	30	30	90						
	1	2018	AF	360	0	360													A -	-	-	-	-	-	-	-	-	360							
	1	2019	AF	360	0	360																						360							
	1	2019	FMS (‡)	40	0	40																				A -	-	40							
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>400</b>	<b>0</b>	<b>400</b>																				A -	-	<b>400</b>							
	1	2020	AF	371	0	371																						371							
✓	1	2020	AF	19	0	19																						19							
JASSM AGM-158D																																			
	2	2020	AF	40	0	40																						40							
							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:** February 2019

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** JASSM0 / Joint Air-Surface Standoff Missile **Item Number / Title [DODIC]:** Joint Air-Surface Standoff Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2020														Fiscal Year 2021														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 9	BAL D U E A S O F 1 O C T	Calendar Year 2020														Calendar Year 2021														
							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					
JASSM ER AGM-158B																																			
Prior Years Deliveries: 300																																			
	1	2016	AF	240	240	0																										0			
	1	2017	AF	360	270	90	30	30	30																							0			
	1	2018	AF	360	0	360	-	-	-	30	30	30	30	30	30	30	30	30	30	30													0		
	1	2019	AF	360	0	360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	30	30	30	30	30	30	30	30	30	30	90			
	1	2019	FMS <sup>(*)</sup>	40	0	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	-	-	-	-	-	-		0			
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>400</b>	<b>0</b>	<b>400</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>30</b>	<b>30</b>	<b>50</b>	<b>50</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>90</b>				
	1	2020	AF	371	0	371																										371			
✓	1	2020	AF	19	0	19																										19			
JASSM AGM-158D																																			
	2	2020	AF	40	0	40																										40			
							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:** February 2019

**Appropriation / Budget Activity / Budget Sub Activity:** 3020F / 02 / 2 **P-1 Line Item Number / Title:** JASSM0 / Joint Air-Surface Standoff Missile **Item Number / Title [DODIC]:** Joint Air-Surface Standoff Missile

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022														Fiscal Year 2023														BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022														Calendar Year 2023														
							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					
JASSM ER AGM-158B																																			
Prior Years Deliveries: 300																																			
	1	2016	AF	240	240	0																													0
	1	2017	AF	360	360	0																													0
	1	2018	AF	360	360	0																													0
	1	2019	AF	360	270	90	30	30	30																										0
	1	2019	FMS (‡)	40	40	0	-	-	-																										0
	<b>1</b>	<b>2019</b>	<b>Total</b>	<b>400</b>	<b>310</b>	<b>90</b>	<b>30</b>	<b>30</b>	<b>30</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>	
	1	2020	AF	371	0	371	-	-	-	44	44	44	30	30	44	44	45	46																0	
	✓ 1	2020	AF	19	0	19	-	-	-	-	-	-	9	10																				0	
JASSM AGM-158D																																			
	2	2020	AF	40	0	40	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13	14												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> February 2019
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3020F / 02 / 2	<b>P-1 Line Item Number / Title:</b> JASSM0 / Joint Air-Surface Standoff Missile	<b>Item Number / Title [DODIC]:</b> Joint Air-Surface Standoff 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	Lockheed Martin - Troy, Alabama	175	390	390	0	0	0	0	0	0	9	19	28
2	Lockheed Martin - Troy, Alabama	30	40	40	0	0	0	0	0	0	9	28	37

**Remarks:**  
The first JASSM AGM-158D missiles will deliver in FY23.

(‡) 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).