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

Appropriation / Budget Activity / Budget Sub Activity: 1507N: Weapons Procurement, Navy / BA 02: Other Missiles / BSA 2: Tactical Missiles	P-1 Line Item Number / Title: 2291 / LRASM
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0204167N	Other Related Program Elements: 0604786N
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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>)	15	34	35	-	48	48	48	48	48	48	-	324
Gross/Weapon System Cost (<i>\$ in Millions</i>)	56.943	107.733	111.190	0.000	143.200	143.200	143.999	143.999	143.999	143.999	-	995.062
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	56.943	107.733	111.190	0.000	143.200	143.200	143.999	143.999	143.999	143.999	-	995.062
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	56.943	107.733	111.190	0.000	143.200	143.200	143.999	143.999	143.999	143.999	-	995.062

(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 Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	3,796K	3,169K	3,177K	-	2,983K	2,983K	3,000K	3,000K	3,000K	3,000K	-	3,071K

Description:

FY 2020 funding totals include \$0.0M for Base and \$143.2M for Overseas Contingency Operations (OCO); of which \$143.2M and 48 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.

Long Range Anti-Ship Missile (LRASM) is Increment 1 of the Offensive Anti-Surface Warfare (OASuW) weapon development program. LRASM will be a key air launched component of the Navy's overall Cruise Missile Strategy. The Department has transitioned the Defense Advanced Research Projects Agency (DARPA) / Office of Naval Research (ONR) LRASM demonstration design into a fielded weapon system which supports an increased offensive strike capability with an Early Operational Capability (EOC) for U.S. Air Force B-1 and U.S. Navy F/A-18E/F. In response to U.S. Pacific Command Urgent Operation Need (UON) statement, LRASM is intended to provide the first increment of the next generation ASuW capabilities addressing the most urgent air-launched requirement, significantly reducing joint force warfighting risks, and positioning the Department to address evolving surface warfare threats. LRASM is integral to realizing the National Defense Strategy of combat-credible military forces to deter war, protect the security of our nation and to enable the Joint Force to win should deterrence fail. The development and acquisition of LRASM has been structured to be fielded at a pace relevant to maintain overmatch against long-term strategic competition. Specifically, LRASM directly contributes to building a more lethal force and is a critical enabler for joint lethality in contested environments; deterring adversaries from aggression; ensuring common domains remain open and maintaining favorable regional balances of power.

The U.S. Air Force procurement for LRASMs in FY 2017 through FY 2019 at the following quantities:

FY 2017 - 19 (Lot 1)

FY 2018 - 16 (1 unit was priced at and part of FY 2017 Lot 1 to achieve 20 total Air Force units in Lot 1; 15 units are with FY 2018 Lot 2 procurement)

FY 2019 - 15 (Lot 3)

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

Appropriation / Budget Activity / Budget Sub Activity: 1507N: Weapons Procurement, Navy / BA 02: Other Missiles / BSA 2: Tactical Missiles **P-1 Line Item Number / Title:** 2291 / LRASM

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0204167N **Other Related Program Elements:** 0604786N

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	1 / LRASM	P-5a, P-21			15 / 56.943	34 / 107.733	35 / 111.190	- / 0.000	48 / 143.200	48 / 143.200
P-40	Total Gross/Weapon System Cost				15 / 56.943	34 / 107.733	35 / 111.190	- / 0.000	48 / 143.200	48 / 143.200

*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 funding procures a total of 48 Long Range Anti-Ship Missiles (LRASM).

 LRASM development/fielding is funded to focus on meeting the time-critical requirements, while accepting manageable levels of technical risk, and is utilizing the DoD Instruction 5000.02 Model 4 Accelerated Acquisition process to achieve speed to the fleet. The program's funding profile was developed to enable fielding at the time required by the warfighter. Due to the accelerated nature of the program's acquisition strategy, volatility in the funding profile has an intensified impact on the program's ability to meet the early operational requirements, and any reduction in funding will increase risk to fielding the required capability at the specified time.

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Exhibit P-5, Cost Analysis: PB 2020 Navy		Date: March 2019
Appropriation / Budget Activity / Budget Sub Activity: 1507N / 02 / 2	P-1 Line Item Number / Title: 2291 / LRASM	Item Number / Title [DODIC]: 1 / LRASM

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:		
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Procurement Quantity (<i>Units in Each</i>)	15	34	35	-	48	48
Gross/Weapon System Cost (<i>\$ in Millions</i>)	56.943	107.733	111.190	0.000	143.200	143.200
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	56.943	107.733	111.190	0.000	143.200	143.200
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	56.943	107.733	111.190	0.000	143.200	143.200
<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>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	3,796K	3,169K	3,177K	-	2,983K	2,983K

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 (\$)	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)
Hardware - LRASM Cost																		
Recurring Cost																		
1.1.1) All Up Round (AUR) ^(†) (1)	3,772K	15	56.576	3,135K	34	106.585	3,130K	35	109.547	-	-	0.000	2,944K	48	141.294	2,944K	48	141.294
1.1.2) Contractor ECO	-	-	-	-	-	0.260	-	-	0.265	-	-	0.000	-	-	0.270	-	-	0.270
<i>Subtotal: Recurring Cost</i>	-	-	56.576	-	-	106.845	-	-	109.812	-	-	0.000	-	-	141.564	-	-	141.564
<i>Subtotal: Hardware - LRASM Cost</i>	-	-	56.576	-	-	106.845	-	-	109.812	-	-	0.000	-	-	141.564	-	-	141.564
Hardware - Nonrecurring and Ancillary Equip Cost																		
Non Recurring Cost																		
2.1.1) Containers ⁽²⁾	-	-	0.208	-	-	0.510	-	-	0.525	-	-	0.000	-	-	0.720	-	-	0.720
<i>Subtotal: Non Recurring Cost</i>	-	-	0.208	-	-	0.510	-	-	0.525	-	-	0.000	-	-	0.720	-	-	0.720
<i>Subtotal: Hardware - Nonrecurring and Ancillary Equip Cost</i>	-	-	0.208	-	-	0.510	-	-	0.525	-	-	0.000	-	-	0.720	-	-	0.720
Support Cost																		
3.1) Production Support ⁽³⁾	-	-	0.159	-	-	0.378	-	-	0.853	-	-	0.000	-	-	0.916	-	-	0.916
<i>Subtotal: Support Cost</i>	-	-	0.159	-	-	0.378	-	-	0.853	-	-	0.000	-	-	0.916	-	-	0.916
Gross/Weapon System Cost	3,796K	15	56.943	3,169K	34	107.733	3,177K	35	111.190	-	-	0.000	2,983K	48	143.200	2,983K	48	143.200

(†) indicates the presence of a P-5a

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Exhibit P-5, Cost Analysis: PB 2020 Navy		Date: March 2019
Appropriation / Budget Activity / Budget Sub Activity: 1507N / 02 / 2	P-1 Line Item Number / Title: 2291 / LRASM	Item Number / Title [DODIC]: 1 / LRASM
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

Footnotes:

(1) Cost Code 1.1.1 FY 2020 is the first year of production for LRASM 1.1 configuration. FY 2018 budget value does not reflect \$14.5M BTR received to achieve 34 units procured in November 2018 (\$3.56M unit price includes contingent liability).

(2) Cost Code 2.1.1 (Containers) Ratio of containers to AURs is 1:1.

(3) Cost Code 3.1 (Production Support) includes government and contractor production related support. Production support increases from FY 2019 to FY 2020 due to increased unit orders and deliveries occurring.

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

Appropriation / Budget Activity / Budget Sub Activity: 1507N / 02 / 2	P-1 Line Item Number / Title: 2291 / LRASM	Item Number / Title [DODIC]: 1 / LRASM
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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>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) All Up Round (AUR) ^(†)		2017 ⁽⁴⁾	Lockheed Martin Missiles and Fire Control ⁽⁵⁾ / Orlando, FL	SS / FPIF	Eglin AFB	Jul 2017	Sep 2018	15	3,772K	Y		Oct 2015
1.1.1) All Up Round (AUR) ^(†)		2018 ⁽⁶⁾	Lockheed Martin Missiles and Fire Control ⁽⁵⁾ / Orlando, FL	SS / FPIF	Eglin AFB	Nov 2018	Sep 2020	34	3,135K	Y		Jun 2017
1.1.1) All Up Round (AUR) ^(†)		2019 ⁽⁷⁾	Lockheed Martin Missiles and Fire Control ⁽⁵⁾ / Orlando, FL	SS / FPIF	Eglin AFB	Aug 2019	Sep 2021	35	3,130K	Y		Jan 2019
1.1.1) All Up Round (AUR) ^(†)	✓	2020 ⁽⁸⁾	Lockheed Martin Missiles and Fire Control ⁽⁵⁾ / Orlando, FL	SS / FP	Eglin AFB	Jun 2020	Sep 2022	48	2,944K	N	Jan 2019	Dec 2019

^(†) indicates the presence of a P-21

Footnotes:

- ⁽⁴⁾ Award date represents the initial U.S. Air Force and U.S. Navy procurements. The LRASM program received approval in February 2017 to proceed to production.
- ⁽⁵⁾ FY 2017 Initial Procurement Lead Time represents time from award to delivery of first Air Force AUR (Sep-18) to meet B-1B EOC; followed by delivery of Navy AURs to meet F/A-18 EOC (FY19).
- ⁽⁶⁾ Award date represents actual for both U.S. Air Force and U.S. Navy procurements.
- ⁽⁷⁾ Award date represents both U.S. Air Force and U.S. Navy procurements.
- ⁽⁸⁾ Award date represents U.S. Navy procurement.

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

Appropriation / Budget Activity / Budget Sub Activity: 1507N / 02 / 2	P-1 Line Item Number / Title: 2291 / LRASM	Item Number / Title [DODIC]: 1 / LRASM
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2017												Fiscal Year 2018												BALANCE		
O C O	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
1.1.1) All Up Round (AUR) ⁽¹⁾																															
	1	2017	NAVY	15 ⁽⁹⁾	0	15																							15		
	1	2017	AF ^(‡)	19	0	19																							11		
	1	2017	Total	34	0	34																						8	26		
	1	2018	NAVY	34	0	34																							34		
	1	2018	AF ^(‡)	16	0	16																							16		
	1	2018	Total	50	0	50																						50			
	1	2019	NAVY	35	0	35																							35		
	1	2019	AF ^(‡)	15	0	15																							15		
	1	2019	Total	50	0	50																						50			
✓	1	2020	NAVY	48	0	48																							48		
							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 Navy **Date:** March 2019

Appropriation / Budget Activity / Budget Sub Activity: 1507N / 02 / 2 **P-1 Line Item Number / Title:** 2291 / LRASM **Item Number / Title [DODIC]:** 1 / LRASM

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2019													Fiscal Year 2020													BALANCE		
O 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			
1.1.1) All Up Round (AUR) ⁽¹⁾																																	
	1	2017	NAVY	15 ⁽⁹⁾	0	15	-	-	-	-	-	3	3	3	1	-	-	-	-	-	-	2	2	-	-	-	-	-	0				
	1	2017	AF ^(‡)	19	8	11	1	-	1	-	-	-	-	-	1	1	1	2	2	2	-	-	-	-	-	-	-	-	0				
	1	2017	Total	34	8	26	1	-	1	-	-	3	3	3	1	1	1	2	2	2	2	2	-	-	-	-	-	1	0				
	1	2018	NAVY	34	0	34		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	30				
	1	2018	AF ^(‡)	16	0	16		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16				
	1	2018	Total	50	0	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	46				
	1	2019	NAVY	35	0	35											A	-	-	-	-	-	-	-	-	-	-	-	35				
	1	2019	AF ^(‡)	15	0	15											A	-	-	-	-	-	-	-	-	-	-	-	15				
	1	2019	Total	50	0	50											-	-	-	-	-	-	-	-	-	-	-	-	50				
✓	1	2020	NAVY	48	0	48																				A	-	-	48				

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

Appropriation / Budget Activity / Budget Sub Activity: 1507N / 02 / 2 **P-1 Line Item Number / Title:** 2291 / LRASM **Item Number / Title [DODIC]:** 1 / LRASM

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
1.1.1) All Up Round (AUR) ⁽¹⁾																															
	1	2017	NAVY	15 ⁽⁹⁾	15	0																						0			
	1	2017	AF ^(‡)	19	19	0																						0			
	1	2017	Total	34	34	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
	1	2018	NAVY	34	4	30	4	4	4	4	4	4	2	-	-	-												0			
	1	2018	AF ^(‡)	16	0	16	-	-	-	-	-	-	2	4	5	5												0			
	1	2018	Total	50	4	46	4	4	4	4	4	4	4	4	5	5	-	-	-	-	-	-	-	-	-	-	-	0			
	1	2019	NAVY	35	0	35	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	3	-	-	-	0		
	1	2019	AF ^(‡)	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	5	5	0			
	1	2019	Total	50	0	50	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	4	5	5	0		
✓	1	2020	NAVY	48	0	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	44		
							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 Navy **Date:** March 2019

Appropriation / Budget Activity / Budget Sub Activity: 1507N / 02 / 2 **P-1 Line Item Number / Title:** 2291 / LRASM **Item Number / Title [DODIC]:** 1 / LRASM

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
1.1.1) All Up Round (AUR) ⁽¹⁾																															
	1	2017	NAVY	15 ⁽⁹⁾	15	0																						0			
	1	2017	AF ^(‡)	19	19	0																						0			
	1	2017	Total	34	34	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
	1	2018	NAVY	34	34	0																						0			
	1	2018	AF ^(‡)	16	16	0																						0			
	1	2018	Total	50	50	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
	1	2019	NAVY	35	35	0																						0			
	1	2019	AF ^(‡)	15	15	0																						0			
	1	2019	Total	50	50	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
✓	1	2020	NAVY	48	4	44	4	4	4	4	4	4	4	4	4	4												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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Exhibit P-21, Production Schedule: PB 2020 Navy **Date:** March 2019

Appropriation / Budget Activity / Budget Sub Activity: 1507N / 02 / 2	P-1 Line Item Number / Title: 2291 / LRASM	Item Number / Title [DODIC]: 1 / LRASM
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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 Missiles and Fire Control ⁽⁵⁾ - Orlando, FL	12	50	50	0	10	14	24	0	9	27	36

(‡) 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:

⁽⁵⁾ FY 2017 Initial Procurement Lead Time represents time from award to delivery of first Air Force AUR (Sep-18) to meet B-1B EOC; followed by delivery of Navy AURs to meet F/A-18 EOC (FY19).

⁽⁹⁾ Air Force Lot 1 procurement is 20 actual units - FY 2017 dollars procured 19 units, FY 2018 dollars procured 1 unit. Navy Lot 1 procurement is 14 units; Lot 2 procured 1 unit with FY17 dollars. Lot 1 procurement consisted of three separate awards, extending the funded delivery until February 2020.