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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft

P-1 Line Item Number / Title:
0147 / Joint Strike Fighter CV

ID Code (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** 0204146N **Other Related Program Elements:** 0204146M, 0207142F

Line Item MDAP/MAIS Code: 198 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	51	4	4	4	-	4	4	8	10	12	272	369
Gross/Weapon System Cost (<i>\$ in Millions</i>)	11,348.108	1,059.114	927.568	926.942	-	926.942	896.686	1,309.470	1,608.201	1,732.091	35,853.205	55,661.385
Less PY Advance Procurement (<i>\$ in Millions</i>)	1,264.430	30.699	79.016	29.400	-	29.400	48.630	91.908	111.898	126.003	3,519.083	5,301.067
Net Procurement (P1) (<i>\$ in Millions</i>)	10,083.678	1,028.415	848.552	897.542	-	897.542	848.056	1,217.562	1,496.303	1,606.088	32,334.122	50,360.318
Plus CY Advance Procurement (<i>\$ in Millions</i>)	1,295.129	79.016	29.400	48.630	-	48.630	91.908	111.898	126.003	204.132	3,314.951	5,301.067
Total Obligation Authority (<i>\$ in Millions</i>)	11,378.807	1,107.431	877.952	946.172	-	946.172	939.964	1,329.460	1,622.306	1,810.220	35,649.073	55,661.385

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

Initial Spares (<i>\$ in Millions</i>)	-	25.809	28.200	59.914	-	59.914	58.795	42.726	35.247	38.394	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Thousands</i>)	194,797.980	167,416.000	170,634.500	159,497.750	-	159,497.750	164,968.000	139,285.625	130,840.300	114,678.917	123,168.375	135,190.772
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	222,511.922	264,778.500	231,892.000	231,735.500	-	231,735.500	224,171.500	163,683.750	160,820.100	144,340.917	131,813.254	150,843.862

Description:

Joint Strike Fighter (JSF) program will develop and field a family of aircraft that meets the needs of DoD and allies with the F-35A Conventional Take Off and Landing (CTOL) variant, the F-35B Short Take-Off and Vertical Landing (STOVL) variant, and the F-35C Carrier Variant (CV) with optimum commonality among the three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy (DoN) and the Department of the Air Force (DAF) and currently resides with the Navy. The F-35s are the next generation of strike fighters which has increased aero-performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting incorporates the latest technology available. The F-35 has increased range with internal fuel and includes superior weaponry over existing aircraft. The highly supportable, affordable, state of the art aircraft commands and maintains global air superiority. The production cost and quantities are interdependent due to one manufacturer for the program. USAF regular procurement commenced in FY07, DON regular procurement commenced in FY08.

Notes:

(1) FY10 and prior quantity and funding for F-35B STOVL and F-35C CV were reported under same BLI (0147). Result is 29 F-35B STOVL aircraft (6 - FY08; 7 - FY09; and 16 - FY10) are included in the BLI 0147 budget. FY11 is the first year F-35B STOVL are reported under BLI 0152. CY Advance Procurement for FY10 F-35B STOVL aircraft was included in the FY10 F-35C CV budget. The Advance Procurement Credit for FY10 F-35B STOVL aircraft was included in the FY11 F-35B STOVL budget.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft	P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV
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ID Code (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** 0204146N **Other Related Program Elements:** 0204146M, 0207142F

Line Item MDAP/MAIS Code: 198 **Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	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)
1 / Joint Strike Fighter-CV	P-5, P-5a, P-21		51 / 11,348.108	4 / 1,059.114	4 / 927.568	4 / 926.942	- / -	4 / 926.942
Total Gross/Weapon System Cost			51 / 11,348.108	4 / 1,059.114	4 / 927.568	4 / 926.942	- / -	4 / 926.942

*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 add due to rounding.

Justification:
BASIS FOR FY2016 BUDGET REQUEST: The FY16 budget provides funding for 4 Carrier Variant (CV) F-35C aircraft and associated equipment and support, associated sustainment and logistical requirements for DoN, and Advance Procurement for 4 Carrier Variant (CV) aircraft in FY 17.

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Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV	Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)		51	4	4	4	-	4
Gross/Weapon System Cost (\$ in Millions)		11,348.108	1,059.114	927.568	926.942	-	926.942
Less PY Advance Procurement (\$ in Millions)		1,264.430	30.699	79.016	29.400	-	29.400
Net Procurement (P1) (\$ in Millions)		10,083.678	1,028.415	848.552	897.542	-	897.542
Plus CY Advance Procurement (\$ in Millions)		1,295.129	79.016	29.400	48.630	-	48.630
Total Obligation Authority (\$ in Millions)		11,378.807	1,107.431	877.952	946.172	-	946.172
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	25.809	28.200	59.914	-	59.914
Gross/Weapon System Unit Cost (\$ in Thousands)		222,511.922	264,778.500	231,892.000	231,735.500	-	231,735.500

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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																		
1.1.1) Airframe/CFE ⁽¹⁾	105,695.275	51	5,390.459	104,269.500	4	417.078	98,048.750	4	392.195	91,869.250	4	367.477	-	-	-	91,869.250	4	367.477
1.1.2) CFE Electronics	28,708.941	51	1,464.156	22,926.250	4	91.705	21,588.000	4	86.352	19,727.000	4	78.908	-	-	-	19,727.000	4	78.908
1.1.4) Engines/Eng Acc ⁽¹⁾	24,174.098	51	1,232.879	13,898.750	4	55.595	13,747.000	4	54.988	13,019.250	4	52.077	-	-	-	13,019.250	4	52.077
1.1.7) Rec Flyaway ECO	5,805.725	51	296.092	2,822.000	4	11.288	2,667.750	4	10.671	2,492.250	4	9.969	-	-	-	2,492.250	4	9.969
<i>Subtotal: Recurring Cost</i>	-	-	8,383.586	-	-	575.666	-	-	544.206	-	-	508.431	-	-	-	-	-	508.431
Non Recurring Cost																		
1.2.1) Non- Recur Cost ⁽²⁾	-	-	1,289.739	-	-	67.290	-	-	112.283	-	-	104.842	-	-	-	-	-	104.842
1.2.2) Ancillary Equip	-	-	261.372	-	-	26.708	-	-	26.049	-	-	24.718	-	-	-	-	-	24.718
<i>Subtotal: Non Recurring Cost</i>	-	-	1,551.111	-	-	93.998	-	-	138.332	-	-	129.560	-	-	-	-	-	129.560
<i>Subtotal: Flyaway Cost</i>	-	-	9,934.697	-	-	669.664	-	-	682.538	-	-	637.991	-	-	-	-	-	637.991
Support Cost																		
2.1) Airframe PGSE	-	-	161.123	-	-	56.800	-	-	56.768	-	-	59.915	-	-	-	-	-	59.915
2.2) Engine PGSE	-	-	122.010	-	-	33.151	-	-	16.576	-	-	19.221	-	-	-	-	-	19.221
2.3) Avionics PGSE	-	-	180.911	-	-	56.794	-	-	39.265	-	-	48.730	-	-	-	-	-	48.730
2.4) Pec Trng Eq	-	-	231.093	-	-	67.734	-	-	0.185	-	-	33.201	-	-	-	-	-	33.201
2.5) Pub/Tech Eq	-	-	84.216	-	-	20.691	-	-	20.425	-	-	17.037	-	-	-	-	-	17.037

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV						Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 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)
2.6) Other ILS	-	-	313.328	-	-	95.166	-	-	56.417	-	-	55.837	-	-	-	-	-	55.837
2.7) Misc Support	-	-	4.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.8) Prod Eng Supt	-	-	316.717	-	-	59.114	-	-	55.394	-	-	55.010	-	-	-	-	-	55.010
<i>Subtotal: Support Cost</i>	-	-	<i>1,413.411</i>	-	-	<i>389.450</i>	-	-	<i>245.030</i>	-	-	<i>288.951</i>	-	-	-	-	-	<i>288.951</i>
Gross/Weapon System Cost	222,511.922	51	11,348.108	264,778.500	4	1,059.114	231,892.000	4	927.568	231,735.500	4	926.942	-	-	-	231,735.500	4	926.942

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

Footnotes:

(1) Airframe Unit Recurring Flyaway (URF) is directly affected by USAF, USN and International Partners quantity profile changes year over year. Prior to FY11 STOVL and CV aircraft were combined under BLI 0147, of the 51 prior year aircraft total, 29 were STOVL.

(2) Non-recurring Costs include such items as DoN share of Production Non-Recurring Tooling per the Joint Strike Fighter (JSF) Production, Sustainment, and Follow-on-Development Memorandum of Understanding (MOU) between the U.S. and eight partner nations cooperating in the production, sustainment and follow-on development of the JSF. In addition, it includes funding for Diminishing Manufacturing, concurrency engineering, technical assistance and Cost Reduction Initiatives (CRI).

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy							Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2011 (3)	LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH	SS / FPIF	NAVAIR	Aug 2011	Oct 2013	7	123,111.000	Y		May 2010
1.1.1) Airframe/CFE ^(†)		2012	LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH	SS / FPIF	NAVAIR	Sep 2013	Jun 2014	7	119,850.000	Y		Apr 2012
1.1.1) Airframe/CFE ^(†)		2013	LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH	SS / FPIF	NAVAIR	Sep 2013	Jun 2015	4	115,750.000	Y		Apr 2012
1.1.1) Airframe/CFE ^(†)		2014	LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH	SS / FPIF	NAVAIR	Nov 2014	Nov 2016	4	104,269.500	Y		Jan 2013
1.1.1) Airframe/CFE ^(†)		2015	LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH	SS / FPIF	NAVAIR	Oct 2015	Nov 2017	4	98,048.750	Y		Jan 2014
1.1.1) Airframe/CFE ^(†)		2016	LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH	SS / FPIF	NAVAIR	Mar 2016	Jan 2018	4	91,869.250	Y		Jan 2015
1.1.4) Engines/Eng Acc ^(†)		2012 (5)	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Oct 2013	Oct 2013	7	13,785.429	Y		Oct 2011
1.1.4) Engines/Eng Acc ^(†)		2013	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Sep 2014	Apr 2015	4	13,749.750	Y		Jun 2012
1.1.4) Engines/Eng Acc ^(†)		2014	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Sep 2014	Jan 2016	4	13,898.750	Y		Mar 2013
1.1.4) Engines/Eng Acc ^(†)		2015	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	May 2015	Aug 2016	4	13,747.000	Y		Mar 2014
1.1.4) Engines/Eng Acc ^(†)		2016	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	May 2016	May 2017	4	13,019.250	Y		Mar 2015

^(†) indicates the presence of a P-21

Footnotes:

⁽³⁾ Award date is based on UCA award and not contract definitization after negotiations.

⁽⁴⁾ Max Capacity only applies through FY16. Additional capacity will be added each year to meet production requirements.

⁽⁵⁾ (1) Engine delivery is 1 per aircraft. (2) FY 10 and prior costs are for both CV & STOVL variants combined. (3) FY 11 and beyond costs are for CV variant of JSF

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Exhibit P-21, Production Schedule: PB 2016 Navy **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 **P-1 Line Item Number / Title:** 0147 / Joint Strike Fighter CV **Item Number / Title [DODIC]:** 1 / Joint Strike Fighter-CV

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2013													Fiscal Year 2014																			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014																	
							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	B A L						
1.1.1) Airframe/CFE ⁽¹⁾																																					
Prior Years Deliveries: 33																																					
1		2011	NAVY	7	-	7	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	1	1	1									-		
1		2012	NAVY	7	-	7													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	4
1		2013	NAVY	4	-	4													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
1		2014	NAVY	4	-	4																														4	
1		2015	NAVY	4 ⁽⁶⁾	-	4																														4	
1		2016	NAVY	4 ⁽⁷⁾	-	4																														4	
1.1.4) Engines/Eng Acc																																					
Prior Years Deliveries: 40																																					
2		2012	NAVY	7	-	7													A1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	-	
2		2013	NAVY	4	-	4																														A -	4
2		2014	NAVY	4	-	4																														A -	4
2		2015	NAVY	4 ⁽⁸⁾	-	4																															4
2		2016	NAVY	4 ⁽⁹⁾	-	4																															4
							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	B A L						

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Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV
		Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	LOCKHEED MARTIN ⁽⁴⁾ - FT WORTH	2	3	7	8	6	22	28	-	6	21	27
2	UNITED TECH, PRATT & WHITNEY - EAST HARTFORD, CT	2	3	7	8	4	17	21	-	7	12	19

"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:

- ⁽⁴⁾ Max Capacity only applies through FY16. Additional capacity will be added each year to meet production requirements.
- ⁽⁶⁾ FY15 Airframe QTY increased by 2.
- ⁽⁷⁾ FY16 Airframe QTY increased by 2.
- ⁽⁸⁾ FY15 Engine QTY increased by 2.
- ⁽⁹⁾ FY16 Engine QTY increased by 2.