

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0593 / F-35 CV Series
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ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0604800N, 0604810N	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 198	Item MDAP/MAIS Code(s): N/A
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	29.950	20.502	48.527	26.004	-	26.004	49.848	20.721	12.929	13.192	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	29.950	20.502	48.527	26.004	-	26.004	49.848	20.721	12.929	13.192	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	29.950	20.502	48.527	26.004	-	26.004	49.848	20.721	12.929	13.192	Continuing	Continuing

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The FY 2017 funding request was reduced by \$31.823M to account for the availability of prior year execution balances.

The F-35 Joint Strike Fighter (JSF) Program will develop and deploy a family of highly common, affordable, next generation, stealthy, multi-role strike fighters that meet the needs of multiple services and countries. The United States Navy Carrier Variant (CV) correction of deficiencies effort provides near and long term improvements to the fleet, focusing on documented deficiencies related to safety, maintainability, and aircraft systems. These modifications and selected component changes are being accomplished by field and depot retrofit. In order to meet emerging deficiencies the airframe and integrated systems must be modified as critical corrections/changes are identified. Funds will be used to manage, prepare, process and incorporate concurrency changes to sustain and improve F-35C system operations. Concurrency changes are implemented to coincide with resources and aircraft availability.

Block upgrades provide more robust performance in navigation, weapons, avionics, survivability, maneuverability, maintainability, and mission deployment of the F-35C platform. This modification program will bring early production aircraft and integrated systems to a common fleet configuration as fielded capabilities evolve over the course of the F-35 program.

The modification funding requested in the 2017 President's Budget enables several distinct efforts pertaining to the Navy F-35C aircraft to include post aircraft delivery concurrency retrofits, the block upgrade of hardware and software to a Block 3i configuration, and the block upgrade of software components to a full Block 3F configuration.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

The overlap of development with production and operations results in the need to manage a concurrency program and conduct retrofits on jets with life-limited parts or impacts to capabilities. For the F-35 program, the emergence of new concurrency issues is expected to phase out with the completion of Systems Development and Demonstration (SDD) in the FY18 timeframe. Block 3i Fleet Release occurred 4th Qtr FY15, Block 3F Fleet Release is planned by 3rd Qtr FY17.

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Exhibit P-40, Budget Line Item Justification: PB 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft

P-1 Line Item Number / Title:
0593 / F-35 CV Series

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0604800N, 0604810N **Other Related Program Elements:** N/A

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

Exhibits Schedule				Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	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)
P-3a	1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14) (Capability Improvement)			- / 27.614	- / 19.135	- / 9.723	- / 1.050	- / -	- / 1.050
P-3a	2 / F-35 CV CONCURRENCY (OSIP 024-14) (Capability Improvement)			- / 2.336	- / 1.367	- / 38.804	- / 24.949	- / -	- / 24.949
P-3a	3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17) (Capability Improvement)			- / 0.000	- / -	- / -	- / 0.005	- / -	- / 0.005
P-40	Total Gross/Weapon System Cost			- / 29.950	- / 20.502	- / 48.527	- / 26.004	- / -	- / 26.004

Exhibits Schedule				FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Exhibit Type	Title*	Subexhibits	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)
P-3a	1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14) (Capability Improvement)			- / 2.182	- / 1.391	- / -	- / -	- / -	- / 61.095
P-3a	2 / F-35 CV CONCURRENCY (OSIP 024-14) (Capability Improvement)			- / 47.413	- / 17.518	- / 12.764	- / -	Continuing	Continuing
P-3a	3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17) (Capability Improvement)			- / 0.253	- / 1.812	- / 0.165	- / -	- / -	- / 2.235
P-40	Total Gross/Weapon System Cost			- / 49.848	- / 20.721	- / 12.929	- / 13.192	Continuing	Continuing

*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:
Basis for FY 2017 budget request: FY17 Total Active Inventory of F-35C aircraft is 29. FY 2017 funding is requested to support the production of 5 Block 3F kits and the highest priority concurrency modifications to support USN IOC, pilot training and tactics development.

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Exhibit P-3a, Individual Modification: PB 2017 Navy							Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0593 / F-35 CV Series				Modification Number / Title: 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)				

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	27.614	19.135	9.723	1.050	-	1.050	2.182	1.391	-	-	-	61.095
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	27.614	19.135	9.723	1.050	-	1.050	2.182	1.391	-	-	-	61.095
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	27.614	19.135	9.723	1.050	-	1.050	2.182	1.391	-	-	-	61.095
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The block upgrade program retrofits United States Navy F-35C aircraft and integrated systems procured under the Low Rate Initial Production (LRIP) contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

This effort (OSIP 016-14) focuses on upgrading Blocks 2A and 2B aircraft from LRIPs 4-5 to a Block 3i configuration. Block 3i is a stepping stone to the Block 3F configuration. It includes the procurement of Tech Refresh 2 (TR2) hardware for the Block 3i configuration. The parts include new radar modules, new Integrated Core Processor (ICP) modules and rack, and new Electronic Warfare (EW) modules. The Gen III helmet will also be introduced as part of the Block 3i upgrade. This effort includes tooling and test equipment for Military Service Depots to support execution of the Block Upgrade program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3i Fleet Release occurred 4th Q FY15.

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Exhibit P-3a, Individual Modification: PB 2017 Navy										Date: February 2016			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0593 / F-35 CV Series					Modification Number / Title: 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)			
Models of Systems Affected: F-35 CV				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800N					
Financial Plan	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)</i>													
B Kits													
Recurring													
1.1.1) EQUIPMENT Block 3i - NonOrganic ⁽¹⁾	5 / 22.832	3 / 14.110	3 / 7.778	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 44.720	
<i>Subtotal: Recurring</i>	- / 22.832	- / 14.110	- / 7.778	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 44.720	
<i>Subtotal: F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)</i>	5 / 22.832	3 / 14.110	3 / 7.778	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 44.720	
<i>Subtotal: Procurement, All Modification Items</i>	- / 22.832	- / 14.110	- / 7.778	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 44.720	
Support (All Modification Items)													
2.1) ILS	- / 3.218	- / 0.683	- / -	- / 0.210	- / -	- / 0.210	- / 0.215	- / -	- / -	- / -	- / -	- / 4.326	
2.2) Other Support	- / -	- / 2.731	- / 1.945	- / 0.840	- / -	- / 0.840	- / 0.858	- / -	- / -	- / -	- / -	- / 6.374	
2.3) Training Equipment	- / 1.564	- / 1.611	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.175	
<i>Subtotal: Support</i>	- / 4.782	- / 5.025	- / 1.945	- / 1.050	- / -	- / 1.050	- / 1.073	- / -	- / -	- / -	- / -	- / 13.875	
Installation													
<i>Modification Item 1 of 1: F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.109	- / 1.391	- / -	- / -	- / -	- / 2.500	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.109	- / 1.391	- / -	- / -	- / -	- / 2.500	
Total													
Total Cost (Procurement + Support + Installation)	27.614	19.135	9.723	1.050	-	1.050	2.182	1.391	-	-	-	61.095	

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Exhibit P-3a, Individual Modification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)

Modification Item 1 of 1: F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)

Manufacturer Information

Manufacturer Name: Lockheed Martin ⁽²⁾				Manufacturer Location: Fort Worth, TX			
Administrative Leadtime (in Months): 11				Production Leadtime (in Months): 31			
Dates	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Contract Dates	Aug 2015	Aug 2016					
Delivery Dates	Nov 2018	Apr 2019					

Installation Information

Method of Implementation: Depot Field Team:: Installation Name: Block 3i

Installation Cost	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.109	- / -	- / -	- / -	- / 0.000	5 / 1.109
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.685	- / -	- / -	- / -	3 / 0.685
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.706	- / -	- / -	- / -	3 / 0.706
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.109	6 / 1.391	- / -	- / -	- / -	11 / 2.500

Installation Schedule

	PYS	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	2	2	1	-	-	-	-	-	-	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	2	2	1	-	-	-	-	-	-	-	-	-	-	-	11

Footnotes:

⁽¹⁾ Prior Years (FY14) contract award date is Aug 2015, with deliveries beginning in Nov 2017. Programmatic slips in the contract award of Block 2B of eighteen (18) months, along with a slip in the development of Block 3i Hardware led to a delay in execution of FY14 and FY15 funding. Block 3i Hardware kits were developed utilizing SDD funds and were broken into the production line beginning with the production of LRIP 6, FY12 funded, jets. The funding associated with these Block 3i kits is inclusive of Block 3i hardware and software.

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Exhibit P-3a, Individual Modification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 1 / F-35 CV BLOCK 3i LRIP 4-5 UPGRADE (OSIP 016-14)

⁽²⁾ Depot Field Team Install. Prior Years (FY14) contract award date is Aug 2015, with deliveries beginning in Nov 2017. Programmatic slips in the contract award of Block 2B of eighteen (18) months, along with a slip in the development of Block 3i Hardware led to a delay in execution of FY14 and FY15 funding.

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Exhibit P-3a, Individual Modification: PB 2017 Navy							Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0593 / F-35 CV Series				Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)				

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.336	1.367	38.804	24.949	-	24.949	47.413	17.518	12.764	-	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2.336	1.367	38.804	24.949	-	24.949	47.413	17.518	12.764	-	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.336	1.367	38.804	24.949	-	24.949	47.413	17.518	12.764	-	Continuing	Continuing
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This effort (OSIP 024-14) funds retrofits due to concurrency changes to correct deficiencies discovered after DD-250 of the last aircraft in a given Low Rate Initial Production (LRIP) lot. This includes modifications required to extend aircraft service life currently limited by low-life parts, and relieve capability limitations driven by concurrency of production with development.

The concurrency funding line will procure the highest priority modifications from the Tri-Service Modification Prioritization List, as they become supportable from an engineering, production, and installation standpoint. The list is vetted by the Services and Partners every 6 months to ensure the list accurately reflects existing requirements as well as emerging issues. Per-kit costs will vary for each modification being implemented, and in some cases will also vary for aircraft from different LRIP lots to implement an individual modification. For FY17, the highest priority modifications will directly support USN Initial Operational Capability (IOC), pilot training and tactics development.

Total cost reflects procurement and installation costs in each fiscal year. Support costs include overall modification program planning, scheduling, and management; and support of Military and Service Depots and Depot Field Teams for incorporation of modifications.

The following modifications will be the highest priorities for accomplishment throughout the CV fleet using funds from this OSIP. The listed modifications include short-term requirements prior to IOC and priority modifications as long-term retrofit needs following IOC. FY17 concurrency funds will also be used to implement IOC modifications across the rest of the F-35C fleet.

TI Number	CR Title
TI-0000-0064	Counter Measures Door Control Valve Life Limitation on AF:6
TI-0000-0124	Controller, Motor Pump Qual Failure
TI-0000-0133	Filter Module, Pressure Qual Failure
TI-0000-0135	Engine Driven Pump Life Limit
TI-0000-0137	Pump, Motor GND Maint Qual Failure
TI-0000-0138	Wingtip Light Improvement For FAA Compliance
TI-0000-0158	WBDD Flexible Cable Re-design
TI-0000-0191	270V BCCU
TI-0000-0192	Gen II -10 Helmet Mounted Display Variance
TI-0000-0193	EW Gain State Control Logic Error
TI-0000-0208	CTOL Arresting Gear Push Rods - Incorrect Heat Treat for AI 2024-T4
TI-0000-0245	Update to Antenna Switch Unit for Cosite Function and Qualification Test Failures

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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)
TI-0000-0260	Canopy Actuation System	
TI-0000-0281	Hoist Point Cover FIP Proposal	
TI-0000-0282	Update to Audio Control Electronics (ACE) Unit for Qualification Test Failures	
TI-0000-0286	Backup Radio (BuR) Indirect Lightning Qualification Test Failure	
TI-0000-0316	CTOL & CV FS 496 Bulkhead Trunnion	
TI-0000-0331	WBDDS RGAs Limited Life - Change Request Approval	
TI-0000-0336	Panoramic Cockpit Display (PCD) - DU	
TI-0000-0339	HMDS LRIP Subsystem Variance - UUT Outages	
TI-0000-0343	Panoramic Cockpit Display (PCD) Major Variances - EU	
TI-0000-0363	TRS Component Changes from Qual Test Failures	
TI-0000-0395	LEF Inbd Blade Seal Mousehole and CTOL LEF Lwr Inbd Blade Seal Failures	
TI-0000-0405	"EDU Random Vibration Failures Electrical Distribution Unit Full Qualification"	
TI-0000-0406	Ordnance Hoist System (OHS) Hoist	
TI-0000-0412	Wing Lighting Controller - Salt Fog Failure	
TI-0000-0423	Engine Interchangeability Bleed Air System Ducting Design	
TI-0000-0424	Firewall Shutoff Valve Part Number Roll	
TI-0000-0448	Add -0007 ASSCA/0006 ATQA to Aircraft TVE	
TI-0000-0469	Life Support System (OBOGS, Steel BOS, SIC, SPA, PIC and Composite BOS)	
TI-0000-0480	ICC Qual Issues	
TI-0000-0495	OBIGGS & Pressure/Vent Changes for Lightning Protection	
TI-0000-0516	AAR Probe Weak Link Adaptor Re-design	
TI-0000-0538	EHA Flaperon Support Equipment Locations	
TI-0000-0574	Electronics Units Modifications for EMI, Lightning and Qualification Compliance	
TI-0000-0575	ULF & 3BSD Emergency Control Valve	
TI-0000-0576	Refuel Probe/Tailhook Emergency Control Valve	
TI-0000-0578	Aux Inlet Door Emergency Control Valve	
TI-0000-0626	SMSFRIU SDD/LRIP Arm Disable Input	
TI-0000-0631	Countermeasures Doors & NNMSB/WSESRB Concerns	
TI-0000-0654	IDMS Connector Ref Des Swap	
TI-0000-0673	Ordnance Quick Latch System (OQLS) - Clip Lock	
TI-0000-0702	CV Fwd Arresting Gear Door Actuator Life Limitation	
TI-0000-0707	Air Data System Design Changes For -0004 Configuration	
TI-0000-0709	HT EHA Block Change	
TI-0000-0730	CV Rudder EHA	
TI-0000-0737	IPP Purge Issue Due to Low Fuel Shutdown	
TI-0000-0771	Install Battery into CNI Rack 3A and 3B	
TI-0000-0772	PTMS Turbomachine/ACCM Cable Interface Changes	
TI-0000-0808	Weapons Bay Door Uplock Sealing	
TI-0000-0810	2WSH64241: CV Life Limited Structures Part - Frame	
TI-0000-0811	2WSH54239 CV Life Limited Structures Part - Rear Spar	
TI-0000-0813	CV Life Limited Structures Part - LH/RH Pylon Sta 3 Aft Rib	
TI-0000-0815	2WSH24212: CV Life Limited Structures Part - FWD Upper Engine Mount	
TI-0000-0816	2WSH34496 - CV FS 496 Bkhd Station 6	
TI-0000-0817	2WSH44162: CV Life Limited Structures Part - RH Tail Hook Longeron	

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Exhibit P-3a, Individual Modification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)
TI-0000-0842 2ESH10095 CV HT Rib 5 Life Limited Structures Part TI-0000-0845 2ESH16004 CV VT Aft Moment Fitting Life Limited Structures Part TI-0000-0854 DMCH MPEG VHDL Firmware Version TI-0000-0875 CV Main Landing Gear (MLG) Retract Actuator TI-0000-0895 Arm Disable Current Leakage Path Correction TI-0000-0898 Electronic Warfare Band 3/4 Antenna and Edge Performance Issues TI-0000-0913 LEFAS PDU Resolver and Rotor Shaft Seal Life TI-0000-0945 CTOL Audio Control Electronics (ACE) In-Flight Refueling TI-0000-0998 CTOL and CV Refuel System Mod TI-0000-1000 Inboard Weapon Bay Door Flipper Door Design Change TI-0000-1011 L-Band Pre-Selector (LBPS) Propagation Delay Calibration for Mode 5 TI-0000-1048 Panoramic Cockpit Display-Electronic Unit (PCD-EU) TI-0000-1060 Final Finishes TI-0000-1062 CV MLG TI-0000-1063 CV NLG TI-0000-1078 Nacelle Insulation TI-0000-1082 Power Panel 1 & 2 Random Vibration Failures - Second Failure TI-0000-1092 Landing Taxi Light Redesign TI-0000-1093 CV Arresting Gear TI-0000-1097 Ball Joint Salt Fog Failure TI-0000-1099 ATQA Mounting Bolt Interface TI-0000-1101 GMMP Controller EEE outage TI-0000-1102 BH-1 Weapons Bay Doors - AMRAAM Cradle Found Fatigue Cracks in Cradle Lugs @ 11,353 Hours TI-0000-1131 AESG Power Connector Rating (Generator) TI-0000-1122 LEFAS Foldbox Lug Cracking TI-0000-1198 HT Heating TI-0000-1207 Vehicle Management Computer (VMC) Electrical Connection Issue TI-0000-1255 Fibre Channel Switch Design Issues-0004 TI-0000-1256 CV Nose Landing Gear Drag Brace Door Cracking TI-0000-1365 Cat Launch Shock Exceeds INS PBS; Service Life failure updates and LBO TI-0000-1372 EW Block-2 DRFM Module Firmware Issue TI-0000-1396 HTCA with End Gland Material Issue TI-0000-1408 CCDD LRIP4/LRIP 5-016 EW: AEL, Aft Sector TI-0000-1446 CV Fuel Dump TI-0000-1483 Power Panel 3 Random Vibration Failures - Second Failure TI-0000-1485 F1 Feed Tank Gasket Spill Out/Removing F1 Feed Tank Cover Gasket And Reworking To Production Fay Seal Configuration TI-0000-1494 PTMS Turbomachine Configuration to Correct Qualification Failures TI-0000-1515 ESG Service Life (Generator) -0003 TI-0000-1518 Incorrect PAO Orifice In P5 Gp A Dummy LRU; Incorrect PAO Cooling Orifices In Center Fuselage Cold Liquid Loop TI-0000-1540 CV Rudder Hinge 2 TI-0000-1541 CV HT LOWER SKIN BOLTS SD-2013-010 TI-0000-1549 Firmware Update for AMS Cartridge Reset SPAR TI-0000-1551 28V Battery Full Qualification TI-0000-1552 28V BCCU Lightning Compliance - 28V Battery Charger		

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Exhibit P-3a, Individual Modification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)
TI-0000-1589	Hydraulic System Single Point Failure	
TI-0000-1649	CV LEFAS Asymmetry Brake Lug Cracking	
TI-0000-1650	MWARS for Production Seat (LRIP 1-6)	
TI-0000-1652	Rudder Slider Hinge Wear	
TI-0000-1653	Ground Maintainance Valve Deletion to Prevent PAO in Cockpit (DR 1-4815699)	
TI-0000-1654	CV Right Hand (RH) Center Fuselage Avionics Bay Floor Fatigue Cracks	
TI-0000-1706	Insertion of updated DMCH into LRIP 6 with Night Vision Camera Image Quality Improvements	
TI-0000-1709	Carrier Variant Marker Beacon Antenna	
TI-0000-1761	HT EHA Solenoid Valve (SOV) Qual Test Failure	
TI-0000-1783	Canopy Boot Cracking	
TI-0000-1857	2GHH42033 Time Delay Valve - Fully Qualified Part	
TI-0000-2416	CV NLG Drag Strut - Alt Gear Extension	
TI-0000-2423	CV Lower FS 518 Design Change	
TI-0000-2448	CV Thrust Mount Shear Web - Service Life	
TI-0000-2450	Bleed Air Sensor Fitting Galling	
TI-0000-2513	CV IPP Shear Web Limited Life	
TI-0000-2528	270V Battery Gunfire Vibration Failure	
TI-0000-2548	CV Center Fuselage FS 402 Outboard Joint Limited Life	
TI-0000-2551	L-Band Power Amplifier (LBPA) Update for LINK-16	
TI-0000-2580	AESG -0004 Qual Failure	
TI-0000-2624	Lower Horizontal Tail Bullnose Panels Experiencing Coating Damage (panels 4134/4133)	
TI-0000-2635	CV NLG Interference Problems - OBOGs routing	
TI-0000-2659	Cockpit Green Indicator Bright/Dim Anomaly	
TI-0000-2672	Radome Shroud Gapping / Trimming	
TI-0000-2682	Incongruous illumination characteristics of AR probe light while centerline tanking on KC-10/KC-135	
TI-0000-2690	LAU-147 and BRU Vent Valve Under Full Pressure	
TI-0000-2699	Fibre Channel Switch Design Issues -0005	
TI-0000-2714	0025 Ejection Seat Qual Issues	
TI-0000-2784	CNI 3A & 3B Integrated Backplane Assembly (IBA) EMI Upgrades	
TI-0000-2799	CV Fuel Migration Issue	
TI-0000-2800	CNI TFR Module Humidity Qualification Test Failure	
TI-0000-2818	EOTS LoS Pointing Angle	
TI-0000-2829	Lower Leading Edge Flap Bladeseal Gapping - CV Only	
TI-0000-2891	OBIGGS Wash Pressure Buildup in Refuel Manifold	
TI-0000-2909	IPP Bay High Flow Air Duct Separation	
TI-0000-2931	CV NLG Drag Brace Cylinder and Steering Motor	
TI-0000-2956	CV (CJ-1) Spar 5 OB cracks	
TI-0000-2965	CV MLG Additional Qual Failures	
TI-0000-2974	F-35C Center Fuselage FS 402 Upper Inboard Frame Limited Life	
TI-0000-3051	F-35C FS 518 Fairing Support Frames Durability Life	
TI-0000-3081	CV Tailhook Uplock Actuator Qualification Failures	
TI-0000-3084	Landing Taxi Light Blockage from CV NLG Doors	
TI-0000-3100	Horizontal Tail Bearing Specification Change	
TI-0000-3103	CV Tailhook Fwd Door Actuator Qualification Failures	

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Exhibit P-3a, Individual Modification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)
TI-0000-3128 F-35C HT EHA Transfer Tube Seal Qual Test Failure TI-0000-3156 F-35C BL 12 Splice @ FS 425 Short Life TI-0000-3194 Landing Aid Down Converter (LADC) Qualification Test Failure TI-0000-3273 F-35C Arresting Hook Bay-Production Mod Bushing Changes TI-0000-3274 F-35C MLG Torque Arm Bracket, Brake Line & Retract Actuator TI-0000-3276 F-35C NLG Centering Cam & Steer Collar Manifold TI-0000-3277 F-35C Flaperon EHA Balanced Pump Qual Test Failure TI-0000-3279 CV Drag Brace Cylinder Attachement Hardware TI-0000-3285 Egress System Safe Escape Intro for -6 Seat TI-0000-3352 F-35C BL 12 Longeron Limited Life TI-0000-3424 CV Arresting Hook Pitch Pivot Pin Bushing Replacement TI-9999-0191 Interim Solution - 270V BCCU TI-9999-1062 Interim Solution - CV Main Landing Gear TI-9999-1650 MWARS for Production Seat - LRIP 5 Only DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES For the F-35 program, the emergence of new concurrency issues is expected to phase out with the completion of SDD in the FY18 timeframe.		

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Exhibit P-3a, Individual Modification: PB 2017 Navy										Date: February 2016			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0593 / F-35 CV Series					Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)			
Models of Systems Affected: F-35 CV				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800N					
Financial Plan	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: F-35 CV CONCURRENCY (OSIP 024-14)</i>													
A Kits													
Recurring													
1.1.1) Structures - Organic	- / -	- / 0.177	- / 21.821	- / 11.227	- / -	- / 11.227	- / 19.913	- / 7.357	- / 4.347	- / -	Continuing	Continuing	
1.1.2) Concurrency - Organic	- / 2.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.336	
1.1.3) Mission Systems - Organic	- / -	- / 0.178	- / 3.190	- / 2.495	- / -	- / 2.495	- / 4.267	- / 1.401	- / 0.971	- / -	Continuing	Continuing	
1.1.4) Vehicle Systems - Organic	- / -	- / 0.178	- / 5.633	- / 4.491	- / -	- / 4.491	- / 14.224	- / 3.679	- / 1.036	- / -	Continuing	Continuing	
1.1.5) Propulsion - Organic	- / -	- / 0.178	- / 6.000	- / 3.243	- / -	- / 3.243	- / 3.319	- / 2.277	- / 4.143	- / -	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 2.336	- / 0.711	- / 36.644	- / 21.456	- / -	- / 21.456	- / 41.723	- / 14.714	- / 10.497	- / -	Continuing	Continuing	
<i>Subtotal: F-35 CV CONCURRENCY (OSIP 024-14)</i>	- / 2.336	- / 0.711	- / 36.644	- / 21.456	- / -	- / 21.456	- / 41.723	- / 14.714	- / 10.497	- / -	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 2.336	- / 0.711	- / 36.644	- / 21.456	- / -	- / 21.456	- / 41.723	- / 14.714	- / 10.497	- / -	Continuing	Continuing	
Support (All Modification Items)													
2.1) Other Support	- / -	- / -	- / 0.960	- / 1.247	- / -	- / 1.247	- / 2.846	- / 1.051	- / 0.843	- / -	Continuing	Continuing	
2.2) ILS	- / -	- / 0.656	- / 1.200	- / 2.246	- / -	- / 2.246	- / 2.844	- / 1.753	- / 1.424	- / -	Continuing	Continuing	
<i>Subtotal: Support</i>	- / 0.000	- / 0.656	- / 2.160	- / 3.493	- / -	- / 3.493	- / 5.690	- / 2.804	- / 2.267	- / -	Continuing	Continuing	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	2.336	1.367	38.804	24.949	-	24.949	47.413	17.518	12.764	-	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 2 / F-35 CV CONCURRENCY (OSIP 024-14)

Modification Item 1 of 1: F-35 CV CONCURRENCY (OSIP 024-14)

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Exhibit P-3a, Individual Modification: PB 2017 Navy							Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0593 / F-35 CV Series				Modification Number / Title: 3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)				

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	-	0.005	-	0.005	0.253	1.812	0.165	-	-	2.235
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	-	-	0.005	-	0.005	0.253	1.812	0.165	-	-	2.235
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	0.005	-	0.005	0.253	1.812	0.165	-	-	2.235
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The block upgrade program retrofits United States Navy F-35C aircraft and integrated systems procured under the Low Rate Initial Production (LRIP) contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration.

This effort (OSIP 005-17) focuses on the Block 3F configuration upgrade effort for 11 LRIP 4-5 and 15 LRIP 6-8 F-35C aircraft and integrated systems. All of the LRIP 4-5 F-35C aircraft receiving the Block 3F software under this OSIP will have already received the Block 3i hardware under OSIP 016-14. This effort purchases all necessary software and installation labor to ensure all LRIP 4-8 F-35C aircraft are upgraded to a Block 3F baseline for full warfighting capability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3F Fleet Release is planned to occur by 3rd Q FY17.

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Exhibit P-3a, Individual Modification: PB 2017 Navy										Date: February 2016			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0593 / F-35 CV Series					Modification Number / Title: 3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)			
Models of Systems Affected: F-35 CV				Modification Type: Capability Improvement				Related RDT&E PEs: 0604800N					
Financial Plan	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)</i>													
B Kits													
Recurring													
1.1.1) Block 3F LRIP 4-5 - NonOrganic	- / -	- / -	- / -	5 / 0.005	- / -	5 / 0.005	3 / 0.003	3 / 0.003	- / -	- / -	- / -	11 / 0.011	
1.1.2) Block 3F LRIP 6-8 - Organic ⁽³⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.015	- / -	- / -	15 / 0.015	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / 0.005	- / -	- / 0.005	- / 0.003	- / 0.003	- / 0.015	- / -	- / -	- / 0.026	
<i>Subtotal: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)</i>	- / -	- / -	- / -	5 / 0.005	- / -	5 / 0.005	3 / 0.003	3 / 0.003	15 / 0.015	- / -	- / -	26 / 0.026	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / 0.005	- / -	- / 0.005	- / 0.003	- / 0.003	- / 0.015	- / -	- / -	- / 0.026	
Support (All Modification Items)													
2.1) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.659	- / -	- / -	- / -	- / 1.659	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.659	- / -	- / -	- / -	- / 1.659	
Installation													
<i>Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.250	- / 0.150	- / 0.150	- / -	- / -	- / 0.550	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.250	- / 0.150	- / 0.150	- / -	- / -	- / 0.550	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	0.005	-	0.005	0.253	1.812	0.165	-	-	2.235	

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Exhibit P-3a, Individual Modification: PB 2017 Navy		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0593 / F-35 CV Series	Modification Number / Title: 3 / F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)

Modification Item 1 of 1: F-35 CV BLOCK 3F LRIP 4-8 UPGRADE (OSIP 005-17)

Manufacturer Information							
Manufacturer Name: Lockheed Martin - Block 3F LRIP 4-5				Manufacturer Location: Fort Worth, TX			
Administrative Leadtime (in Months): 11				Production Leadtime (in Months): 3			
Dates	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Contract Dates			Aug 2017	Aug 2018	Aug 2019		
Delivery Dates			Nov 2017	Nov 2018	Nov 2019		

Installation Information

Method of Implementation: [none specified]:: Installation Name: Block 3F LRIP 4-5

Installation Cost	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.250	- / -	- / -	- / -	- / -	5 / 0.250
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.150	- / -	- / -	- / -	3 / 0.150
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.150	- / -	- / -	3 / 0.150
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.250	3 / 0.150	3 / 0.150	- / -	- / -	11 / 0.550

Installation Schedule																																
	PYS	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	1	-	2	1	-	-	-	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	1	-	2	1	-	-	-	-	-	-	-	-	11

Method of Implementation (Organic): Block 3F LRIP 6-8 **Installation Quantity:** 15

Footnotes:
⁽³⁾ LRIP 6-8 aircraft were delivered in a Block 3i configuration. Block 3F installation will occur at the O-Level.

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Exhibit P-40, Budget Line Item Justification: PB 2017 Navy **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	P-1 Line Item Number / Title: 0595 / QRC
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	-	6.885	5.476	-	5.476	2.400	2.728	3.131	3.199	-	23.819
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	-	6.885	5.476	-	5.476	2.400	2.728	3.131	3.199	-	23.819
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	6.885	5.476	-	5.476	2.400	2.728	3.131	3.199	-	23.819

(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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Details of this P-1 item are classified.

Justification:

Justification of this request is provided separately.