

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F01500 / F-15
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207130F, 0207134F, 0207171F	Other Related Program Elements: 0207130F, 0207134F
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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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,420.200	344.224	498.314	464.367	-	464.367	400.722	522.288	602.421	704.265	4,411.329	9,368.130
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,420.200	344.224	498.314	464.367	-	464.367	400.722	522.288	602.421	704.265	4,411.329	9,368.130
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,420.200	344.224	498.314	464.367	-	464.367	400.722	522.288	602.421	704.265	4,411.329	9,368.130
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to the F-15 aircraft. The F-15C/D is a twin engine (F-15 C single seat; F-15 D dual seat) supersonic, all-weather, day/night, air-superiority fighter. The F-15E is a twin engine, two seat, supersonic dual-role, day/night, all-weather, deep interdiction fighter with multi-role air-to-air capabilities. The overall goals of the budgeted modifications are to improve operational capability, reliability and maintainability, and flight safety. The specific modifications budgeted and programmed are below.

F-15C MIDS JTRS is a new start for FY16.
F-15E MIDS JTRS is a new start for FY16.

Funding for this exhibit contained PEs 0207130F and 0207134F.

The FY2016 funding request was reduced by \$64.768 million to account for the availability of prior execution balances.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	306.666	264.511	302.588	-	302.588	375.494	482.708	526.036
AFNG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	37.558	233.803	161.779	-	161.779	25.228	39.580	76.385
AFR	Quantity	-	-	-	-	-	-	-	-

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Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	P-1 Line Item Number / Title: F01500 / F-15
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207130F, 0207134F, 0207171F	Other Related Program Elements: 0207130F, 0207134F
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	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	344.224	498.314	464.367	-	464.367	400.722	522.288	602.421	704.265

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

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01500 / F-15

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207130F, 0207134F, 0207171F **Other Related Program Elements:** 0207130F, 0207134F

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 / F-15C Avionics Replacement (Capability Improvement)	P-40a***		- / 31.333	- / -	- / -	- / -	- / -	- / -
2 / SECONDARY POWER UPGRADE A-D (No text provided.)	P-40a***		- / 0.297	- / -	- / -	- / -	- / -	- / -
3 / C/D Secondary Power System (Reliability & Maintainability)	P-40a***		- / 3.383	- / 2.857	- / -	- / -	- / -	- / -
4 / E Secondary Power System (Reliability & Maintainability)	P-40a***		- / 7.357	- / -	- / -	- / -	- / -	- / -
5 / C/D Flight Data Recorder (FDR) (Capability Improvement)	P-40a***		- / 23.845	- / 0.114	- / -	- / -	- / -	- / -
6 / F-15E Flight Data Recorder (FDR) (Capability Improvement)	P-40a***		- / 22.936	- / 1.694	- / -	- / -	- / -	- / -
7 / APG-63V(1) RADAR UPGRADE (No text provided.)	P-40a***		- / 20.265	- / -	- / -	- / -	- / -	- / -
8 / PROGRAMMABLE ARMAMENT CONTROL SET (Service Life Extension)	P-40a***		- / 6.768	- / -	- / -	- / -	- / -	- / -
9 / F-15E JOINT HELMET-MOUNTED CUEING SYSTEM (Reliability & Maintainability)	P-40a***		- / 69.783	- / 21.170	- / 11.771	- / -	- / -	- / -
10 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Service Life Extension)	P-40a***		- / 4.332	- / 0.377	- / 1.071	- / 1.088	- / -	- / 1.088
11 / F-15 A/D DIGITAL VIDEO RECORDER (Service Life Extension)	P-40a***		- / 21.037	- / -	- / -	- / -	- / -	- / -
12 / F-15E DIGITAL VIDEO RECORDER (Service Life Extension)	P-40a***		- / 18.023	- / -	- / -	- / -	- / -	- / -
13 / TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E (Service Life Extension)	P-40a***		- / 31.644	- / -	- / -	- / -	- / -	- / -
14 / E IFF MODE 5 (Reliability & Maintainability)	P-40a***		- / 40.938	- / -	- / -	- / -	- / -	- / -
15 / Link 16 Cryptographic Modernization (CMI) (Capability Improvement)	P-40a***		- / -	- / -	- / 0.002	- / 2.837	- / -	- / 2.837
16 / F-15E BLOS/SLOS (Capability Improvement)	P-40a***		- / 59.593	- / -	- / -	- / -	- / -	- / -
17 / F-15C/D Beyond Line Of Sight Communications (Capability Improvement)	P-40a***		- / 33.067	- / 12.226	- / 9.059	- / -	- / -	- / -
18 / EPAWSS-E (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
19 / EPAWSS-C/D (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
20 / F-15C Passive Attack Sensor System (Capability Improvement)	P-40a***		- / 18.465	- / 5.500	- / 3.004	- / 0.504	- / -	- / 0.504
21 / 5th to 4th Gen Gateway (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / -
22 / MISC ENGINE UPDATE MODS (Service Life Extension)	P-40a***		- / 1.520	- / -	- / -	- / -	- / -	- / -
23 / LOW COST RETROFIT MODS (Service Life Extension)	P-40a***		- / 5.763	- / -	- / -	- / -	- / -	- / -
24 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / 5.759	- / -	- / -	- / -	- / -	- / -
1202 / F-15E Radar Modernization Program APG-82(V)1 (Reliability & Maintainability)	P-3a		- / 269.238	- / 189.995	- / 240.947	- / 255.042	- / -	- / 255.042
1 / Advanced Display Core Processor, ADCP II-E (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 4.000	- / -	- / 4.000
1205 / Advanced Display Core Processor, ADCP II-C (Reliability & Maintainability)	P-3a		- / -	- / -	- / -	- / 6.000	- / -	- / 6.000
6158 / F-15C/D APG-63(V)3 radar upgrade (Capability Improvement)	P-3a		- / 724.854	- / 110.291	- / 232.460	- / 182.100	- / -	- / 182.100
8799 / F-15C MIDS JTRS (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 6.387	- / -	- / 6.387
8800 / F-15E MIDS JTRS (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 6.409	- / -	- / 6.409
Total Gross/Weapon System Cost			- / 1,420.200	- / 344.224	- / 498.314	- / 464.367	- / -	- / 464.367

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Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01500 / F-15

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207130F, 0207134F, 0207171F **Other Related Program Elements:** 0207130F, 0207134F

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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 / F-15C Avionics Replacement (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 31.333
2 / SECONDARY POWER UPGRADE A-D (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / 0.297	
3 / C/D Secondary Power System (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / 6.240	
4 / E Secondary Power System (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / 7.357	
5 / C/D Flight Data Recorder (FDR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 23.959	
6 / F-15E Flight Data Recorder (FDR) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 24.630	
7 / APG-63V(1) RADAR UPGRADE (No text provided.)	P-40a***		- / -	- / -	- / -	- / -	- / 20.265	
8 / PROGRAMMABLE ARMAMENT CONTROL SET (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 6.768	
9 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / 102.724	
10 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Service Life Extension)	P-40a***		- / 1.104	- / 1.126	- / 1.146	- / 1.165	- / 11.409	
11 / F-15 A/D DIGITAL VIDEO RECORDER (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 21.037	
12 / F-15E DIGITAL VIDEO RECORDER (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 18.023	
13 / TEWS INTERMEDIATE SUPPORT SYSTEM (TISS) A-E (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 31.644	
14 / E IFF MODE 5 (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / 27.480	- / 68.418	
15 / Link 16 Cryptographic Modernization (CMI) (Capability Improvement)	P-40a***		- / 4.831	- / 4.459	- / 5.073	- / 6.668	- / 18.095	
16 / F-15E BLOS/SLOS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 59.593	
17 / F-15C/D Beyond Line Of Sight Communications (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 54.352	
18 / EPAWSS-E (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 2,257.900	
19 / EPAWSS-C/D (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 1,914.592	
20 / F-15C Passive Attack Sensor System (Capability Improvement)	P-40a***		- / 0.704	- / -	- / -	- / -	- / 28.177	
21 / 5th to 4th Gen Gateway (Capability Improvement)	P-40a***		- / 37.863	- / 38.568	- / 52.210	- / 39.950	- / 168.660	
22 / MISC ENGINE UPDATE MODS (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 1.520	
23 / LOW COST RETROFIT MODS (Service Life Extension)	P-40a***		- / -	- / -	- / -	- / -	- / 5.763	
24 / LOW COST MODIFICATIONS (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / 5.759	
1202 / F-15E Radar Modernization Program APG-82(V)1 (Reliability & Maintainability)	P-3a		- / 152.137	- / 181.742	- / 226.577	- / 329.318	- / 146.600	
1 / Advanced Display Core Processor, ADCP II-E (Reliability & Maintainability)	P-3a		- / 55.223	- / 47.633	- / 47.070	- / 56.855	- / 9.436	
1205 / Advanced Display Core Processor, ADCP II-C (Reliability & Maintainability)	P-3a		- / 37.109	- / 65.779	- / 90.602	- / 130.330	- / 37.157	
6158 / F-15C/D APG-63(V)3 radar upgrade (Capability Improvement)	P-3a		- / 87.615	- / 86.881	- / 83.935	- / 41.971	- / 1,550.107	
8799 / F-15C MIDS JTRS (Capability Improvement)	P-3a		- / 12.226	- / 48.600	- / 48.600	- / 49.600	- / 165.413	
8800 / F-15E MIDS JTRS (Capability Improvement)	P-3a		- / 11.910	- / 47.500	- / 47.208	- / 48.408	- / 161.435	
Total Gross/Weapon System Cost			- / 400.722	- / 522.288	- / 602.421	- / 704.265	- / 4,411.329	- / 9,368.130

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Exhibit P-40, Budget Line Item Justification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F01500 / F-15
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0207130F, 0207134F, 0207171F	Other Related Program Elements: 0207130F, 0207134F
*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.		
*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:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15				Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1				

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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318	146.600	1,991.596
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318	146.600	1,991.596
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318	146.600	1,991.596
<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>)	32.281	12.373	10.674	11.086	-	11.086	19.778	19.325	19.950	19.249	-	144.716
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

F-15E Radar Modernization Program (RMP), designated the APG-82(V)1, replaces the legacy radar using existing technology from other DOD platforms. It solves parts obsolescence problems and provides improved reliability and performance (increased synthetic aperture radar (SAR) range and resolution), including air-to-air and air-to-ground modes. Also provides for future growth. Total aircraft requirement: 217. This program funded Research Development Test and Evaluation (RDT&E) in PE 0207134F. Requirements document: F-15E Radar Modernization Program CDD dated 21 March 2005. Modification funding will be used for DMS and material shortages. DMS and material shortage activities can include, but not limited to, life of type buy or minor redesign. SE/PM costs are include in the Group B Recurring line, and Depot Costs are included in the SE line.

Milestone/Development Status

Milestone C completed 4Q FY11. System Verification Review #2 (SVR 2) and Integrated Operational Test and Evaluation (IOT&E) completed 4Q FY13. Full Rate Production Decision (FRPD) planned for 3Q FY14.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1			
Models of Systems Affected: F-15E				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0207134F					
Financial Plan	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	
	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)	
RDT&E PE #													
0207134F	- / 380.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 380.013	
Procurement													
Modification Item 1 of 1: APG-82(v)1													
A Kits													
Recurring													
APG-82(v)1:INSTALL KITS Group A (Active)	30 / 39.658	18 / 45.536	33 / 41.880	35 / 51.770	- / -	35 / 51.770	15 / 23.270	18 / 29.330	23 / 38.140	38 / 63.860	7 / 12.950	217 / 346.394	
Subtotal: Recurring	- / 39.658	- / 45.536	- / 41.880	- / 51.770	- / -	- / 51.770	- / 23.270	- / 29.330	- / 38.140	- / 63.860	- / 12.950	- / 346.394	
B Kits													
Recurring													
APG-82(v)1:EQUIPMENT Group B (Active)	30 / 141.817	18 / 122.609	33 / 108.257	35 / 169.910	- / -	35 / 169.910	15 / 82.060	18 / 103.340	23 / 129.880	38 / 210.020	7 / 52.660	217 / 1,120.553	
Subtotal: Recurring	- / 141.817	- / 122.609	- / 108.257	- / 169.910	- / -	- / 169.910	- / 82.060	- / 103.340	- / 129.880	- / 210.020	- / 52.660	- / 1,120.553	
Subtotal: APG-82(v)1	- / 181.475	- / 168.145	- / 150.137	- / 221.680	- / -	- / 221.680	- / 105.330	- / 132.670	- / 168.020	- / 273.880	- / 65.610	- / 1,466.947	
Subtotal: Procurement, All Modification Items	- / 181.475	- / 168.145	- / 150.137	- / 221.680	- / -	- / 221.680	- / 105.330	- / 132.670	- / 168.020	- / 273.880	- / 65.610	- / 1,466.947	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / 73.724	- / -	- / 42.000	- / 5.310	- / -	- / 5.310	- / 3.390	- / 3.490	- / 3.590	- / 3.700	- / -	- / 135.204	
Change Orders	- / 14.043	- / 8.161	- / 11.001	- / 6.952	- / -	- / 6.952	- / 8.907	- / 7.312	- / 7.357	- / 20.428	- / 6.050	- / 80.211	
Data	- / -	- / -	- / 13.295	- / -	- / -	- / -	- / -	- / -	- / 13.470	- / -	- / -	- / 26.765	
Type 1 Training	0 / 0.311	- / -	- / -	- / 10.190	- / -	- / 10.190	- / -	- / -	- / 0.410	- / 0.210	- / 0.220	- / 11.341	
SUPPORT-EQUIP	- / 2.408	- / 1.266	- / 2.771	- / 2.630	- / -	- / 2.630	- / 3.410	- / 3.350	- / 0.340	- / 0.830	- / 0.370	- / 17.375	
ICS-Labor	- / 15.444	- / 14.613	- / 14.247	- / 13.460	- / -	- / 13.460	- / 14.460	- / 15.240	- / 16.130	- / 14.850	- / 15.880	- / 144.324	
PMA - Other Gov't Costs	- / -	- / 2.207	- / 6.801	- / 13.430	- / -	- / 13.430	- / 2.960	- / 14.320	- / 14.650	- / 3.990	- / 5.790	- / 34.148	
Subtotal: Support	0 / 85.930	- / 16.247	- / 80.115	- / 21.972	- / -	- / 21.972	- / 23.127	- / 23.712	- / 35.947	- / 34.008	- / 18.310	- / 339.368	
Installation													
Modification Item 1 of 1: APG-82(v)1	4 / 1.833	8 / 5.603	14 / 10.695	15 / 11.390	- / -	15 / 11.390	31 / 23.680	30 / 25.360	24 / 22.610	25 / 21.430	66 / 62.680	217 / 185.281	
Subtotal: Installation	4 / 1.833	8 / 5.603	14 / 10.695	15 / 11.390	- / -	15 / 11.390	31 / 23.680	30 / 25.360	24 / 22.610	25 / 21.430	66 / 62.680	217 / 185.281	
Total													
Total Cost (Procurement + Support + Installation)	269.238	189.995	240.947	255.042	-	255.042	152.137	181.742	226.577	329.318	146.600	1,991.596	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1

Modification Item 1 of 1: APG-82(v)1

Manufacturer Information

Manufacturer Name: Raytheon	Manufacturer Location: El Segundo CA/Forest MS
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2014	Aug 2015	Jul 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates	Jun 2016	Feb 2017	Jan 2018	Jul 2018	Jul 2019	Jul 2020	Jul 2021

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	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
	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	4 / 1.833	8 / 5.603	14 / 10.695	4 / 3.040	- / -	4 / 3.040	- / -	- / -	- / -	- / -	- / -	30 / 21.171
FY 2014	- / -	- / -	- / -	11 / 8.350	- / -	11 / 8.350	7 / 5.350	- / -	- / -	- / -	- / -	18 / 13.700
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	24 / 18.330	9 / 7.610	- / -	- / -	- / -	33 / 25.940
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 17.750	14 / 13.190	- / -	- / -	35 / 30.940
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 9.420	5 / 4.290	- / -	15 / 13.710
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 15.430	- / -	18 / 15.430
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.710	21 / 18.070	23 / 19.780
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 33.120	38 / 33.120
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 11.490	7 / 11.490
Total	4 / 1.833	8 / 5.603	14 / 10.695	15 / 11.390	- / -	15 / 11.390	31 / 23.680	30 / 25.360	24 / 22.610	25 / 21.430	66 / 62.680	217 / 185.281

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	4	2	2	2	2	3	3	4	4	3	4	4	4	8	8	8	7	8	8	7	7	6	6	6	6	7	6	6	6	66	217
Out	0	1	2	-	3	2	3	3	4	4	4	3	4	4	8	8	8	7	8	8	7	7	6	6	6	6	7	6	6	76	217

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Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15				Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E				

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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855	9.436	220.217
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855	9.436	220.217
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855	9.436	220.217
<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>)	-	-	-	-	-	-	0.500	6.220	6.400	6.600	3.400	23.120
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F-15E requires a replacement Advanced Display Core Processor (ADCP II) to meet future and projected subsystem demands. The ADCP II program will equip the F-15E with a central processor with sufficient memory, processing throughput, Input/Output bandwidth, and internal mux bus bandwidth to meet the Operational Flight Program growth requirements of Suite 8 and beyond, and to support planned subsystem upgrades. The increased capability of ADCP II will also enable the F-15E to fully exploit the APG-82(V)1 radar capabilities, to include increased target tracks, mode simultaneity, and increased track data. The ADCP II is required to meet all APG-82(V)1 key system attributes. This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0207134F.

Milestone/Development Status

ADCP II completed System Requirement Review (SRR) 3Q FY12, System Preliminary Design Review (PDR) completed 1Q FY13, System Critical Design Review (CDR) accomplished 4Q FY13, Milestone B completed 1Q FY14. Milestone C planned for 4QFY16.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E			
Models of Systems Affected: F-15E				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0207134F					
Financial Plan	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	
	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)	
RDT&E PE #													
0207134F	- / 102.390	- / 54.975	- / 84.350	- / 50.468	- / -	- / 50.468	- / 109.800	- / 42.817	- / 189.903	- / -	- / -	- / 634.703	
Procurement													
<i>Modification Item 1 of 1: ADCP II E</i>													
A Kits													
Recurring													
ADCP II E:INSTALL KITS Group A (Active)	- / -	- / -	- / -	2 / 0.001	- / -	2 / 0.001	61 / 0.035	61 / 0.036	61 / 0.037	32 / 0.020	- / -	217 / 0.129	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.001	- / -	- / 0.001	- / 0.035	- / 0.036	- / 0.037	- / 0.020	- / -	- / 0.129	
B Kits													
Recurring													
ADCP II E:EQUIPMENT Group B (Active)	- / -	- / -	- / -	2 / 1.107	- / -	2 / 1.107	61 / 38.876	61 / 39.353	61 / 36.000	32 / 29.507	- / 0.109	217 / 144.952	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.107	- / -	- / 1.107	- / 38.876	- / 39.353	- / 36.000	- / 29.507	- / 0.109	- / 144.952	
<i>Subtotal: ADCP II E</i>	- / -	- / -	- / -	- / 1.108	- / -	- / 1.108	- / 38.911	- / 39.389	- / 36.037	- / 29.527	- / 0.109	- / 145.081	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 1.108	- / -	- / 1.108	- / 38.911	- / 39.389	- / 36.037	- / 29.527	- / 0.109	- / 145.081	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 1.771	- / -	- / 1.771	- / 3.500	- / 2.686	- / 2.749	- / 2.638	- / -	- / 13.344	
Change Orders	- / -	- / -	- / -	- / 0.172	- / -	- / 0.172	- / 8.144	- / 1.857	- / 2.009	- / 17.660	- / 0.377	- / 30.219	
Data	- / -	- / -	- / -	- / 0.021	- / -	- / 0.021	- / 0.645	- / 0.665	- / 0.685	- / 0.370	- / -	- / 2.386	
SUPPORT-EQUIP	- / -	- / -	- / -	- / 0.788	- / -	- / 0.788	- / 2.543	- / 1.496	- / 1.686	- / 2.349	- / -	- / 8.862	
ICS-Labor	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.029	- / 0.936	- / 1.898	- / 6.441	- / 9.304	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 0.140	- / -	- / 0.140	- / 1.480	- / 1.497	- / 1.618	- / 1.023	- / 0.303	- / 6.061	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 2.892	- / -	- / 2.892	- / 16.312	- / 8.230	- / 9.683	- / 25.938	- / 7.121	- / 70.176	
Installation													
<i>Modification Item 1 of 1: ADCP II E</i>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.014	61 / 1.350	61 / 1.390	93 / 2.206	217 / 4.960	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	4.000	-	4.000	55.223	47.633	47.070	56.855	9.436	220.217	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 1 / Advanced Display Core Processor, ADCP II-E

Modification Item 1 of 1: ADCP II E

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 14

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Dec 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020
Delivery Dates			Feb 2018	Aug 2018	Aug 2019	Aug 2020	Aug 2021

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	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
	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 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.014	- / -	- / -	- / -	2 / 0.014
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 1.350	- / -	- / -	61 / 1.350
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 1.390	- / -	61 / 1.390
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 1.432	61 / 1.432
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.774	32 / 0.774
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.014	61 / 1.350	61 / 1.390	93 / 2.206	217 / 4.960

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	24	15	11	11	16	15	15	15	93	217
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	24	15	11	11	16	15	15	15	93	217

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Exhibit P-3a, Individual Modification: PB 2016 Air Force							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15				Modification Number / Title: 1205 / :Advanced Display Core Processor, ADCP II-C				

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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330	37.157	366.977
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330	37.157	366.977
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330	37.157	366.977
<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>)	-	-	-	-	-	-	0.570	3.470	6.660	6.860	7.010	24.570
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The ADCP II upgrade ensures continued combat viability for the F-15C/D platform. The F-15C/D central computer (CC) and cockpit radar display are functionally obsolete. CC speed and memory are unable to support growth beyond Operational Flight Plan (OFP) Suite 7C, and the monochrome radar display is the #1 mission degrader in the cockpit. The ADCP II system for the F-15C consists of the ADCP II Line Replaceable Unit (LRU), Vertical Situation Display Replacement (VSDR), and a Remote Interface Unit (RIU). The F-15D configuration is the same as the F-15C with the addition of a second VSDR in the rear cockpit. Replacing the CC with the ADCP II mission computer (common with F-15E) will provide increased throughput and memory capability to support (OFP) upgrades beyond Suite 7C, enabling the aircraft to meet requirements of expanded datalink capabilities, tactics/sensors, electronic warfare, and forward/netcentric operations. Replacing the monochrome display with a 5x5 color display will reduce maintenance and sustainment costs while increasing the capability to fully support the APG-63(V)3 Active Electronic Scanning Array (AESA) radar, fighter datalink, and video recording. This program has associated RDT&E funding in PE 0207134F.

Milestone/Development Status

Development cost status are reflected on ADCP II-E, mn 1202B.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.000	-	6.000	31.413	37.099	55.765	81.244
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	5.696	28.680	34.837	49.086
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 1205 / :Advanced Display Core Processor, ADCP II-C			
Models of Systems Affected: F-15C, F-15D				Modification Type: Reliability & Maintainability				Related RDT&E PEs: 0207130F					
Financial Plan	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	
	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: ADCP 2</i>													
A Kits													
Recurring													
ADCP 2:INSTALL KITS Group A (Active)	- / -	- / -	- / -	2 / 0.012	- / -	2 / 0.012	22 / 0.140	21 / 0.137	21 / 0.142	21 / 0.146	- / -	87 / 0.577	
ADCP 2:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.044	34 / 0.223	34 / 0.229	34 / 1.236	- / -	109 / 1.732	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.012	- / -	- / 0.012	- / 0.184	- / 0.360	- / 0.371	- / 1.382	- / -	- / 2.309	
B Kits													
Recurring													
ADCP 2:EQUIPMENT Group B (Active)	- / -	- / -	- / -	2 / 1.270	- / -	2 / 1.270	22 / 17.763	21 / 17.576	21 / 20.032	21 / 20.519	- / -	87 / 77.160	
ADCP 2:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	7 / 5.652	34 / 28.457	34 / 32.433	34 / 40.276	- / -	109 / 106.818	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 1.270	- / -	- / 1.270	- / 23.415	- / 46.033	- / 52.465	- / 60.795	- / -	- / 183.978	
<i>Subtotal: ADCP 2</i>	- / -	- / -	- / -	- / 1.282	- / -	- / 1.282	- / 23.599	- / 46.393	- / 52.836	- / 62.177	- / -	- / 186.287	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 1.282	- / -	- / 1.282	- / 23.599	- / 46.393	- / 52.836	- / 62.177	- / -	- / 186.287	
Support (All Modification Items)													
GROUP B: TOTAL NONRECURRING	- / -	- / -	- / -	- / 2.615	- / -	- / 2.615	- / 3.784	- / 2.980	- / 3.070	- / 3.162	- / 0.164	- / 15.775	
Change Orders	- / -	- / -	- / -	- / 0.262	- / -	- / 0.262	- / 5.512	- / 9.341	- / 19.818	- / 45.441	- / 1.587	- / 81.961	
Data	- / -	- / -	- / -	- / 0.023	- / -	- / 0.023	- / 0.342	- / 0.669	- / 0.689	- / 0.709	- / -	- / 2.432	
Type 1 Training	- / -	- / -	- / -	- / 0.558	- / -	- / 0.558	- / 0.167	- / -	- / -	- / -	- / -	- / 0.725	
SUPPORT-EQUIP	- / -	- / -	- / -	- / 1.049	- / -	- / 1.049	- / 2.789	- / 2.765	- / 2.571	- / 2.619	- / -	- / 11.793	
ICS-Labor	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.039	- / 0.617	- / 1.764	- / 7.243	- / 19.663	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 0.158	- / -	- / 0.158	- / 0.687	- / 1.230	- / 1.493	- / 1.653	- / 0.949	- / 16.170	
OTHER GOVT	- / -	- / -	- / -	- / 0.053	- / -	- / 0.053	- / 0.229	- / 0.410	- / 0.498	- / 0.553	- / 0.318	- / 2.061	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 4.718	- / -	- / 4.718	- / 13.510	- / 17.434	- / 28.756	- / 55.901	- / 10.261	- / 130.580	
Installation													
<i>Modification Item 1 of 1: ADCP 2</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	29 / 9.010	55 / 12.252	110 / 26.896	196 / 50.110	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	29 / 9.010	55 / 12.252	110 / 26.896	196 / 50.110	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	6.000	-	6.000	37.109	65.779	90.602	130.330	37.157	366.977	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 1205 / :Advanced Display Core Processor, ADCP II-C

Modification Item 1 of 1: ADCP 2

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 14

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Dec 2016	Jun 2017	Jun 2018	Jun 2019	Jun 2020
Delivery Dates			Feb 2018	Aug 2018	Aug 2019	Aug 2020	Aug 2021

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	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
	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 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	- / -	- / -	- / -	2 / 1.952
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 9.010	- / -	- / -	29 / 9.010
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 12.252	- / -	55 / 12.252
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 13.249	55 / 13.249
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 13.647	55 / 13.647
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	29 / 9.010	55 / 12.252	110 / 26.896	196 / 50.110

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	7	7	7	8	13	14	14	14	110	196
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	7	7	7	8	13	14	14	14	110	196

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade		

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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971	-	1,550.107
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971	-	1,550.107
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971	-	1,550.107
<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>)	28.371	2.128	1.000	3.447	-	3.447	10.202	5.564	1.741	-	-	52.453
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The APG-63(V)3 Active Electronically Scanned Array (AESA) radar upgrade includes F-15C/D aircraft equipped with all variants of the APG-63 radar. The (V)3 AESA upgrade significantly improves Reliability, Maintainability & Supportability (RM&S), and substantially improves operational effectiveness and combat lethality of the existing APG-63 equipped aircraft. Other avionics which support radar functionality may also be upgraded. The APG-63(V)3 upgrade now includes: 18 (V)2 Models and 25 (V)0 Models. INSTALLATION OF HARDWARE: Upgrade kits funded by the Air Force reflect the separate cost to install the kit in the year of installation. The installation cost for kits funded with congressional adds or GWOT/OCO funding is included in the Group A/B kit cost in the procurement year. Modification funding will be used for DMS and material shortages. DMS and material shortage activities can include, but not limited to, life of type buy or minor redesign. Requirements document: F-15C/D Radar Improvement Program CDD dated 13 March 2014. Training costs are included in Type 1 Training, and SE/PM is included in the Group B Recurring.

Milestone/Development Status

N/A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	75.189	0.200	20.881	-	20.881	69.101	77.253	43.510	14.000
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	35.102	232.260	161.219	-	161.219	18.514	9.628	40.425	27.971
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade			
Models of Systems Affected: F-15C, F-15D				Modification Type: Capability Improvement				Related RDT&E PEs: 0207134F, 0207130F					
Financial Plan	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	
	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)	
RDT&E PE #													
0207130F	- / 65.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 65.272	
Procurement													
Modification Item 1 of 1: (V)3													
A Kits													
Recurring													
(V)3:INSTALL KITS Group A (Active)	49 / 34.600	11 / 8.103	8 / 0.100	- / -	- / -	- / -	7 / 6.081	12 / 9.493	- / -	- / -	- / -	87 / 58.377	
(V)3:INSTALL KITS Group A (Guard)	59 / 32.698	6 / 3.156	23 / 25.621	19 / 26.577	- / -	19 / 26.577	2 / 1.837	- / -	- / -	- / -	- / -	109 / 89.889	
Subtotal: Recurring	- / 67.298	- / 11.259	- / 25.721	- / 26.577	- / -	- / 26.577	- / 7.918	- / 9.493	- / -	- / -	- / -	- / 148.266	
B Kits													
Recurring													
(V)3:EQUIPMENT Group B (Active)	49 / 230.364	11 / 57.697	8 / 0.100	- / -	- / -	- / -	7 / 29.805	12 / 45.002	- / -	- / -	- / -	87 / 362.968	
(V)3:EQUIPMENT Group B (Guard)	59 / 244.007	6 / 31.946	23 / 206.639	19 / 134.642	- / -	19 / 134.642	2 / 12.527	- / -	- / -	- / 27.971	- / -	109 / 657.732	
Subtotal: Recurring	- / 474.371	- / 89.643	- / 206.739	- / 134.642	- / -	- / 134.642	- / 42.332	- / 45.002	- / -	- / 27.971	- / -	- / 1,020.700	
Subtotal: (V)3	- / 541.669	- / 100.902	- / 232.460	- / 161.219	- / -	- / 161.219	- / 50.250	- / 54.495	- / -	- / 27.971	- / -	- / 1,168.966	
Subtotal: Procurement, All Modification Items	- / 541.669	- / 100.902	- / 232.460	- / 161.219	- / -	- / 161.219	- / 50.250	- / 54.495	- / -	- / 27.971	- / -	- / 1,168.966	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / 3.215	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.215	
GROUP B: TOTAL NONRECURRING	- / 81.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 81.500	
Change Orders	- / 15.944	- / 2.725	- / -	- / 10.875	- / -	- / 10.875	- / 10.335	- / 11.640	- / 37.551	- / -	- / -	- / 89.070	
Data	- / 5.655	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.655	
SUPPORT-EQUIP	- / 1.353	- / -	- / -	- / -	- / -	- / -	- / 16.037	- / 8.258	- / -	- / -	- / -	- / 25.648	
ICS-Labor	- / 15.203	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.203	
PMA - Other Gov't Costs	- / 0.777	- / 2.317	- / -	- / 3.240	- / -	- / 3.240	- / 1.544	- / 1.323	- / 0.149	- / -	- / -	- / 9.350	
OTHER GOVT	- / 8.419	- / -	- / -	- / 1.620	- / -	- / 1.620	- / 0.772	- / 0.837	- / 0.260	- / -	- / -	- / 11.908	
GFP	- / 1.457	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.457	
Mod of Spares	7 / 47.618	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 47.618	
Type 1 Training	- / -	- / -	- / -	- / 10.200	- / -	- / 10.200	- / -	- / -	- / -	- / -	- / -	- / 10.200	
Subtotal: Support	7 / 181.141	- / 5.042	- / -	- / 15.935	- / -	- / 15.935	- / 28.688	- / 22.058	- / 37.960	- / -	- / -	7 / 290.824	
Installation													
Modification Item 1 of 1: (V)3	55 / 2.044	17 / 4.347	21 / -	24 / 4.946	- / -	24 / 4.946	23 / 8.677	26 / 10.328	20 / 45.975	10 / 14.000	- / -	196 / 90.317	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade			
Models of Systems Affected: F-15C, F-15D				Modification Type: Capability Improvement				Related RDT&E PEs: 0207134F, 0207130F					
Financial Plan	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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: Installation</i>	55 / 2.044	17 / 4.347	21 / -	24 / 4.946	- / -	24 / 4.946	23 / 8.677	26 / 10.328	20 / 45.975	10 / 14.000	- / -	196 / 90.317	
Total													
Total Cost (Procurement + Support + Installation)	724.854	110.291	232.460	182.100	-	182.100	87.615	86.881	83.935	41.971	-	1,550.107	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade

Modification Item 1 of 1: (V)3

Manufacturer Information

Manufacturer Name: Raytheon	Manufacturer Location: El Segundo CA/Forest MS
Administrative Leadtime (in Months): 5	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Sep 2014	Aug 2015	Jun 2016	Mar 2017	Mar 2018		
Delivery Dates	Mar 2016	Feb 2017	Dec 2017	Sep 2018	Sep 2019		

Installation Information

Method of Implementation: Contract Field Team

Installation Cost	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
	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	55 / 2.044	17 / 4.347	21 / 0.000	15 / 0.000	- / -	15 / 0.000	- / -	- / -	- / -	- / -	- / -	108 / 6.391
FY 2014	- / -	- / -	- / -	9 / 4.946	- / -	9 / 4.946	8 / 2.527	- / -	- / -	- / -	- / -	17 / 7.473
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	15 / 6.150	16 / 5.700	- / -	- / -	- / -	31 / 11.850
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 4.628	9 / 25.437	- / -	- / -	19 / 30.065
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 18.488	- / -	- / -	9 / 18.488
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.050	10 / 14.000	- / -	12 / 16.050
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	55 / 2.044	17 / 4.347	21 / -	24 / 4.946	- / -	24 / 4.946	23 / 8.677	26 / 10.328	20 / 45.975	10 / 14.000	- / -	196 / 90.317

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	55	5	4	4	4	5	5	6	5	5	6	7	6	6	6	5	6	7	6	7	6	5	5	5	5	4	3	3	-	-	196
Out	50	5	5	4	4	4	5	5	6	5	5	6	7	6	6	6	5	6	7	6	7	6	5	5	5	5	4	3	3	-	196

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01500 / F-15						Modification Number / Title: 8799 / F-15C MIDS JTRS		

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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600	-	165.413
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600	-	165.413
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600	-	165.413

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This upgrade integrates and installs a new Link 16 system that complies with an NSA mandate on cryptographic modernization and an FAA mandate on frequency remapping. The FAA mandate requires all fielded Link-16 terminals incorporate the frequency re-mapping capability by 2020.

In addition to meeting the two mandates, the system will significantly increase data link capability by enabling the system to receive up to four times as much information as the previous Link 16. It also increases the output power from 50 watts to 200 watts, improving long range performance and the ability to operate in a jamming environment. It will also reduce sustainment costs due to its commonality with other DoD assets.

Milestone/Development Status

N/A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 8799 / F-15C MIDS JTRS			
Models of Systems Affected: F-15C				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	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	
	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: B Kit</i>													
B Kits													
Recurring													
B Kit:EQUIPMENT Group B (Active)	- / -	- / -	- / -	7 / 6.387	- / -	7 / 6.387	15 / 12.226	57 / 48.600	57 / 48.600	60 / 49.600	- / -	196 / 165.413	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 6.387	- / -	- / 6.387	- / 12.226	- / 48.600	- / 48.600	- / 49.600	- / -	- / 165.413	
<i>Subtotal: B Kit</i>	- / -	- / -	- / -	- / 6.387	- / -	- / 6.387	- / 12.226	- / 48.600	- / 48.600	- / 49.600	- / -	- / 165.413	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 6.387	- / -	- / 6.387	- / 12.226	- / 48.600	- / 48.600	- / 49.600	- / -	- / 165.413	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	6.387	-	6.387	12.226	48.600	48.600	49.600	-	165.413	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 8799 / F-15C MIDS JTRS
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Modification Item 1 of 1: B Kit

Manufacturer Information

Manufacturer Name: Unknown	Manufacturer Location: Unknown
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Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 0
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 196
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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 8800 / F-15E MIDS JTRS		

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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408	-	161.435
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408	-	161.435
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408	-	161.435

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This upgrade integrates and installs a new Link 16 system that complies with an NSA mandate on cryptographic modernization and an FAA mandate on frequency remapping. The FAA mandate requires all fielded Link-16 terminals incorporate the frequency re-mapping capability by 2020.

In addition to meeting the two mandates, the system will significantly increase data link capability by enabling the system to receive up to four times as much information as the previous Link 16. It also increases the output power from 50 watts to 200 watts, improving long range performance and the ability to operate in a jamming environment. It will also reduce sustainment costs due to its commonality with other DoD assets.

Milestone/Development Status

N/A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01500 / F-15					Modification Number / Title: 8800 / F-15E MIDS JTRS			
Models of Systems Affected: F-15E				Modification Type: Capability Improvement				Related RDT&E PEs:					
Financial Plan	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	
	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: B Kit (2)</i>													
B Kits													
Recurring													
B Kit:EQUIPMENT Group B (Active)	- / -	- / -	- / -	8 / 6.409	- / -	8 / 6.409	16 / 11.910	64 / 47.500	63 / 47.208	66 / 48.408	- / -	217 / 161.435	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 6.409	- / -	- / 6.409	- / 11.910	- / 47.500	- / 47.208	- / 48.408	- / -	- / 161.435	
<i>Subtotal: B Kit (2)</i>	- / -	- / -	- / -	- / 6.409	- / -	- / 6.409	- / 11.910	- / 47.500	- / 47.208	- / 48.408	- / -	- / 161.435	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 6.409	- / -	- / 6.409	- / 11.910	- / 47.500	- / 47.208	- / 48.408	- / -	- / 161.435	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	-	-	6.409	-	6.409	11.910	47.500	47.208	48.408	-	161.435	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01500 / F-15	Modification Number / Title: 8800 / F-15E MIDS JTRS
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Modification Item 1 of 1: B Kit (2)

Manufacturer Information

Manufacturer Name: Unknown	Manufacturer Location: Unknown
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Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 0
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation (Organic): Org/Intermediate	Installation Quantity: 217
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