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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207131F I A-10 Squadrons							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	11.435	-	-	-	-	-	-	-	-	-	11.435
674809: A-10 Squadrons	-	11.435	-	-	-	-	-	-	-	-	-	11.435
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2015, Project number 674809, was completed.

A. Mission Description and Budget Item Justification

The A-10 is a twin engine, single seat, close air support aircraft capable of delivering a full range of air-to-ground munitions as well as self-defense air-to-air missiles. The A-10 concept of operations requires a flexible, adaptable and survivable weapon system providing close-air support, combat search and rescue, and special operations capabilities. Current high operational tempo experienced by the Expeditionary Air Force requires the A-10 to perform effectively in a variety of operational roles. The A-10 must conduct around-the-clock air operations under various weather conditions against numerous enemy threats employing a full spectrum of air defense systems.

This program is in Budget Activity 7, Operational System Development, because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Previous President's Budget	9.614	-	-	-	-
Current President's Budget	11.435	-	-	-	-
Total Adjustments	1.821	-	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	1.821	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-	-	-

Change Summary Explanation

FY14: \$1.821M Reprogramming for A-10 Organic OFP Flight program.

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C. Accomplishments/Planned Programs (\$ in Millions)							FY 2014	FY 2015	FY 2016		
Title: OFP Development							11.435	-	-		
Description: A-10C OFP Suite software is updated and released to permit timely integration of new precision weapons, updated targeting pods, improved avionics, and enhanced electronic warfare capabilities. These upgraded capabilities are in response to evolving operational requirements including Urgent Operational Needs generated by the ever-changing operational environment of close air support.											
FY 2014 Accomplishments: Continue the development and test of Suite 8. Other tasks associated with Suite 8 include flight test both DT and OT. A-10 Full Mission Trainer (FMT) simulator software integration and development must be updated to remain concurrent with the aircraft's OFP software.											
Suite 8 OFP fielding was delayed from Sep 14 to Mar 15 due to unforeseen problems with the transition from contractor support to organic support. There have been further delays due to the decision to defer Suite 8 in Jan 14 and then the decision to restart Suite 8 in Feb 14.											
Efforts include the development of a SIL in support of the transition to organic software development. A SIL that can support the Suite 8 baseline will be developed for organic use. This SIL will consist of one Integrated Test Stand (ITS). The unclassified portion of the SIL went operational on 1 Oct 14. Work continues to get the classified portion of the SIL operational and is expected to complete in FY15. This SIL will have no Sub System Test (SST) stands. With no SST's, and only one ITS, this will not allow for development actions, only sustainment.											
FY 2015 Plans: Not Applicable											
Accomplishments/Planned Programs Subtotals							11.435	-	-		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• APAF: BA05: Line Item # A01000: A-10 Squadrons, PE 0207131F	2.298	-	-	-	-	-	-	-	-	-	394.255
Remarks FY15 Congressional marks -\$44.3M (Rescission, 2014)											

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<u>E. Acquisition Strategy</u> Prior to FY 2009, A-10 OFP development efforts were conducted under the A-10 Prime Contract, awarded to Lockheed Martin Systems Integration in December 1997 through a full-and-open competition. Suite 8 development efforts began in FY12, with System Integration Lab(SIL)development and stand-up beginning in FY11 as A-10 OFP suites development and sustainment efforts transitioned from contractual work by Lockheed Martin to organic work by 309th Software Maintenance Group (SMXG) at Hill AFB. All additional suites beyond 8 will be performed by the 309th SMXG until directed otherwise. The A-10 FMT simulator OFP is managed by the Simulator Division at Wright-Patterson Air Force Base and is contractor developed and integrated. <u>F. Performance Metrics</u> Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force													Date: February 2015		
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207131F / A-10 Squadrons				Project (Number/Name) 674809 / A-10 Squadrons					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OFP Development (309th SMXG)	PO	309th SMXG : Hill AFB, UT	-	10.590	Jan 2014	-		-		-		-	-	10.590	-
Subtotal			-	10.590		-		-		-		-	-	10.590	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
USAF (Multiple)	Various	Various : Various,	-	0.318	Jan 2014	-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.318		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
USAF (OFP)	Various	Various : Various,	-	-	Jan 2014	-		-		-		-	Continuing	Continuing	-
Subtotal			-	-		-		-		-		-	-	-	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA	Various	Various : ,	-	0.527	Jan 2014	-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.527		-		-		-		-	-	-	-
			Prior Years	FY 2014	FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	11.435	-		-		-		-	-	-	-	
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force										Date: February 2015			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 7					PE 0207131F / A-10 Squadrons					674809 / A-10 Squadrons			

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Suite 8 - OFP System Design, Development & Flight Test																												
Suite 8 OFP Fields																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207131F / A-10 Squadrons	Project (Number/Name) 674809 / A-10 Squadrons	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Suite 8 - OFP System Design, Development & Flight Test	1	2014	2	2015
Suite 8 OFP Fields	1	2014	3	2015