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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207131F / A-10 Squadrons
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	12.347	9.614	-	-	-	-	-	-	-	-	21.961
674809: A-10 Squadrons	-	12.347	9.614	-	-	-	-	-	-	-	-	21.961
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

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.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	13.538	9.614	15.400	-	15.400
Current President's Budget	12.347	9.614	-	-	-
Total Adjustments	-1.191	-	-15.400	-	-15.400
• Congressional General Reductions	-0.018	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-1.173	-	-15.400	-	-15.400

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Change Summary Explanation FY2013 reduction of -\$1.173M for Sequestration FY2015 reduction of -\$15.4M due to divestiture of A-10 fleet.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
Title: OFP Development		12.347	9.614	-
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 2013 Accomplishments: Continued the development of Suite 8 including initial testing of LARSV12 and the test, evaluation, and initial integration of the Mode 5 radio Identify Friend or Foe capability into the A-10C OFP. Suite 8 schedule slipped from Sep/14 to Mar/15. A-10 FMT simulator software integration and development must be updated to remain concurrent with the aircraft's OFP software.				
FY 2014 Plans: 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 work continuing on the SIL will allow it to be operational by Oct 14. The work to get the SIL operational will consist of writing the COMET code to run the SIL, constructing it and writing the test procedures against it. If the SIL is not completed the OFP will not be able to correct and fix deficiencies that arise thus causing a grounding of the fleet. 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		12.347	9.614	-

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D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• APAF: BA05: Line Item # A01000: A-10 Squadrons, PE 0207131F	89.919	47.598	-	-	-	-	-	-	-	-	394.255
Remarks											
E. Acquisition Strategy 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.											
F. Performance Metrics 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-4, RDT&E Schedule Profile: PB 2015 Air Force			Date: March 2014		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0207131F / A-10 Squadrons		Project (Number/Name) 674809 / A-10 Squadrons	



U.S. AIR FORCE

A-10 3600 Schedule

RDT&E Program	FY2013				FY2014				FY2015				FY2016				FY2017				FY2018				FY2019			
	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
Operational Flight Program Suite 8/SIL									SIL Suite 8																			
	Ktr to Organic Transition								◆ ◆																			
									Fielding																			