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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604270F I Electronic Warfare Development							
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	-	1.914	1.971	1.965	-	1.965	1.967	2.003	2.041	2.080	Continuing	Continuing
653891: Advanced IR Counter Measures (AIRCIM)	-	1.914	1.971	1.965	-	1.965	1.967	2.003	2.041	2.080	Continuing	Continuing

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

A. Mission Description and Budget Item Justification

This program consolidates Air Force funding and management of common Electronic Warfare (EW) systems from Materiel Solutions Analysis through Engineering and Manufacturing Development and transition to operational capability. EW is an integral warfighting effect supporting AF Global Strike, Global Persistent Attack and Global Mobility operations as well as Joint-Coalition operations. EW systems influence, deceive, disrupt, degrade, deny, and destroy threats to air operations throughout the electromagnetic spectrum. This PE supports Electronic Support (ES), Electronic Protection (EP), and Electronic Attack (EA). ES programs support the collection, analysis, and dissemination of information related to the detection, geo-location, characterization, and identification of threats to air operations. EP Programs preserve the electromagnetic spectrum for use by friendly forces. EA programs provide self-protection through active and passive measures that deceive threats to air operations using kinetic and non-kinetic means to defeat threats that rely on the electromagnetic spectrum (Radio Frequency (RF), Electro-Optical (EO), Infrared (IR)).

This program is in budget activity 5 - System Development and Demonstration of common EW systems to meet user requirements.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015 Base</u>	<u>FY 2015 OCO</u>	<u>FY 2015 Total</u>
Previous President's Budget	1.975	1.971	1.990	-	1.990
Current President's Budget	1.914	1.971	1.965	-	1.965
Total Adjustments	-0.061	-	-0.025	-	-0.025
• Congressional General Reductions	-0.003	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.058	-			
• Other Adjustments	-	-	-0.025	-	-0.025

Change Summary Explanation

No Significant Changes

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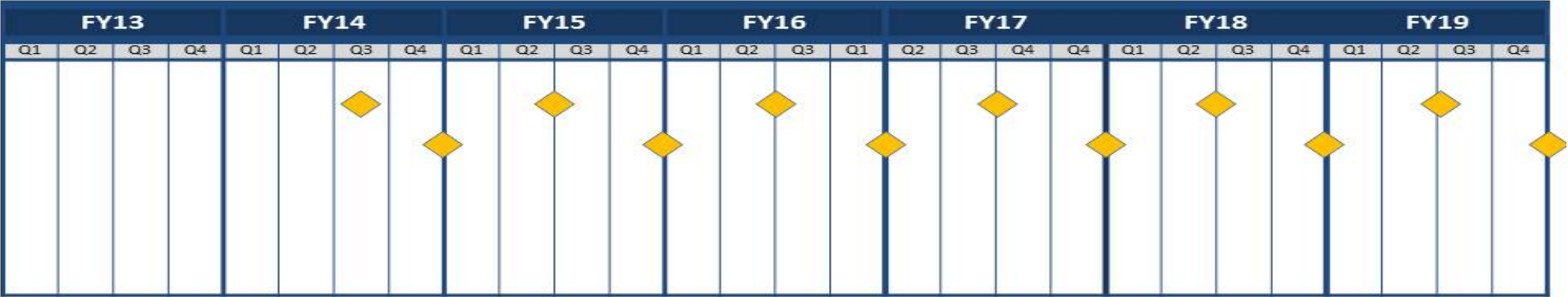
Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604270F / <i>Electronic Warfare Development</i>				Project (Number/Name) 653891 / <i>Advanced IR Counter Measures (AIRCM)</i>			
COST (\$ 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
653891: <i>Advanced IR Counter Measures (AIRCM)</i>	-	1.914	1.971	1.965	-	1.965	1.967	2.003	2.041	2.080	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The Advanced Infrared Countermeasure (AIRCM) project contains related aircraft self-protection efforts aimed at increasing aircraft survivability against the increasing threat of sophisticated infrared-guided surface-to-air and air-to-air missiles. These missiles may employ sophisticated next-generation electro-optics or dual-mode IR and radio frequency seekers. AIRCM will provide advanced IR expendable countermeasures and/or IRCM techniques that will be functionally compatible with existing dispenser systems and employed across multiple USAF weapons systems. This also explicitly includes any and all flare and decoy development and testing that may be demanded or needed in current operations supporting the war on terrorism regardless of aircraft platform. Similar activities that are supplementary to this effort may be accomplished ad hoc using platform specific funding or through other testing activities such as joint services or NATO test groups.												
BA5 - This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2013	FY 2014	FY 2015	
Title: IR Flare Testing									1.914	1.971	1.965	
Description: IR flare testing and qualification on aircraft												
FY 2013 Accomplishments: Qualified IR flare cocktails on various aircraft.												
FY 2014 Plans: Activities include qualification of IR flare cocktails on various aircraft.												
FY 2015 Plans: Activities include testing and qualification of IR flare cocktails on various aircraft.												
Accomplishments/Planned Programs Subtotals									1.914	1.971	1.965	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014	
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604270F / <i>Electronic Warfare Development</i>				Project (Number/Name) 653891 / <i>Advanced IR Counter Measures (AIRCM)</i>			
C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2015</u>	<u>FY 2015</u>	<u>FY 2015</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Complete</u>	<u>Total Cost</u>
• PAAF: BA01: Line Item # 356010: <i>Flares</i>	41.545	49.194	73.356	-	73.356	103.565	109.623	97.541	99.396	Continuing	Continuing
Remarks											
Qualified flares, if not in AF inventory, will be procured under PE 0208030F War Reserve Munitions, Flares.											
D. Acquisition Strategy											
Do not anticipate need to award contracts as activities will be completed with Military Interdepartmental Purchase Requests.											
E. 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.											

Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force															Date: March 2014				
Appropriation/Budget Activity 3600 / 5										R-1 Program Element (Number/Name) PE 0604270F / <i>Electronic Warfare Development</i>					Project (Number/Name) 653891 / <i>Advanced IR Counter Measures (AIRC)</i>				

Flare Test Schedule



Legend:

◆ Notional Test Event