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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 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207224F I Combat Rescue and Recovery							
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	-	1.910	2.582	5.095	-	5.095	0.415	-	-	-	Continuing	Continuing
676016: Avionics Development and Integration	-	1.910	2.582	5.095	-	5.095	0.415	-	-	-	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 Air Force Rotary Wing Avionics Development and Integration effort is a program to develop a fully integrated avionics upgrade that includes predictive terrain awareness. This program focuses on developing and integrating technologies that will increase the situational awareness of helicopter crews in a degraded visibility environment. This effort was initiated by the Defense Safety Oversight Council.												
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 and 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				2.095	2.582	5.159	-	5.159				
Current President's Budget				1.910	2.582	5.095	-	5.095				
Total Adjustments				-0.185	-	-0.064	-	-0.064				
• Congressional General Reductions				-0.003	-							
• Congressional Directed Reductions				-	-							
• Congressional Rescissions				-	-							
• Congressional Adds				-	-							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-	-							
• SBIR/STTR Transfer				-	-							
• Other Adjustments				-0.182	-	-0.064	-	-0.064				
C. Accomplishments/Planned Programs (\$ in Millions)								FY 2013	FY 2014	FY 2015		
Title: Avionics Development and Integration								1.910	2.582	5.095		
Description: This program focuses on developing and integrating technologies that will increase the situational awareness of helicopter crews in a degraded visibility environment.												

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
<b><i>FY 2013 Accomplishments:</i></b> Completed risk reduction flight test of prototype Lasar Detection and Ranging (LADAR) and integration of Forward Looking Infrared (FLIR)/LADAR Turret Preliminary Design Review.				
<b><i>FY 2014 Plans:</i></b> Provides integration contracting support, program management, engineering, simulation, software support, and second developmental flight test.				
<b><i>FY 2015 Plans:</i></b> Program management, engineering, software support to build and qualify integrated FLIR/LADAR turrets for HH-60G.				
<b>Accomplishments/Planned Programs Subtotals</b>		1.910	2.582	5.095
<b>D. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>E. Acquisition Strategy</b>				
The Air Force is in the process of integrating the Three Dimensional Landing Zone (3D-LZ) technology into an airworthy payload. This payload will be integrated with existing forward looking infrared turrets to minimize additional equipment and weight on the aircraft. Once the payload is tested, the Air Force will finalize its strategy for fleet implementation.				
<b>F. Performance Metrics</b>				
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 0207224F / *Combat Rescue and Recovery*

**Project (Number/Name)**  
676016 / *Avionics Development and Integration*

## Avionics Development and Integration

