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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 Air Force **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207227F: <i>Pararescue (Guardian Angel Weapon System)</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	2.821	0.927	1.119	-	1.119	0.919	0.672	0.659	0.651	Continuing	Continuing
675352: <i>Guardian Angel RDT&amp;E</i>	2.821	0.927	1.119	-	1.119	0.919	0.672	0.659	0.651	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**

GUARDIAN ANGEL (GA) is an Air Force non-aircraft weapon system program within the overarching Battlefield Airmen Modernization program. GA is a Family of Systems (FoS) – based in both human and equipment capabilities – formulated to execute Air Force Combat Search and Rescue (CSAR) and Personnel Recovery (PR) across the full spectrum of military operations. Established by the Air Force Chief of Staff in 2003 and officially captured in AFPD 10-9, the GA FoS is employed by three distinct Air Force specialties: Pararescuemen (PJ), Survival-Evasion-Resistance-Escape (SERE), and Combat Rescue Officer (CRO). The GA program will standardize and modernize mission essential equipment utilized in extrication, surface/underwater search and recovery, airborne infil/exfil, and ground recovery operations.

The FY13 funds will be used to develop items within the FoS to include but not limited to: CSAR SONAR, Maritime Recovery, Technical Recovery kits, Guardian Angel Operations Kit.

This program is in Budget Activity 7, Operational System Development, since it improves the already fielded capabilities of the Guardian Angel weapon system by demonstrating technology, component, and subsystem maturity.

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<b>B. Program Change Summary (\$ in Millions)</b>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>
Previous President's Budget	2.921	0.927	-	-	-
Current President's Budget	2.821	0.927	1.119	-	1.119
Total Adjustments	-0.100	-	1.119	-	1.119
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-0.100	-	1.119	-	1.119

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>
<b>Title:</b> GA FoS	2.821	0.927	1.119	-	1.119
<b>Description:</b> Standardize, modernize, and develop additional capability for the weapons system used by Combat Rescue Officers and Pararescuemen.					
<b>FY 2011 Accomplishments:</b> Studies, analysis, program office support, implementation of an acquisition strategy, prototype acquisition, and preparation of other documents as needed to modernize the Guardian Angel Weapons System.					
<b>FY 2012 Plans:</b> Continue execution of previous year's acquisition activities. Develop strategies for increased capability. Engineering change proposals as needed.					
<b>FY 2013 Base Plans:</b> Continue execution of previous year's acquisition activities. Develop strategies for increased capability. Engineering change proposals as needed					
<b>FY 2013 OCO Plans:</b> N/A					
<b>Accomplishments/Planned Programs Subtotals</b>	2.821	0.927	1.119	-	1.119

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**D. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u> <u>Base</u>	<u>FY 2013</u> <u>OCO</u>	<u>FY 2013</u> <u>Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PE 0207227, OPAF, Pararescue (Gu...: <i>Guardian Angel</i> )	3.597	12.859	23.435	0.000	23.435	25.024	24.782	24.178	21.734	135.348	135.348

**E. Acquisition Strategy**

The GA program will address the warfighter immediate needs to standardize, modernize, and develop additional capability for the weapon system used by Combat Rescue Officers and Pararescuemen (Phase one). Until this point, GA has not had a formal acquisition process for the weapon system. The program will also address future requirements for the weapon system that will encompass the needs of all three GA career fields (Phase two).

Phase two of the GA program is an incremental evolutionary acquisition effort in which requirements are fulfilled through further sub-system development and integration. These requirements are being identified in an ongoing F-study conducted by HQ ACC. The program has been divided into two phases to more rapidly meet the users immediate need to standardize and modernize the weapon system. All work prior to FY10 was accomplished using 3400 dollars and NGREA 350 funds. NGREA funding is not shown here.

**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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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Air Force		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207227F: <i>Pararescue (Guardian Angel Weapon System)</i>	<b>PROJECT</b> 675352: <i>Guardian Angel RDT&amp;E</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Air Force		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207227F: <i>Pararescue (Guardian Angel Weapon System)</i>	<b>PROJECT</b> 675352: <i>Guardian Angel RDT&amp;E</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
GA Family Of Systems	1	2011	4	2014
Test and Evaluation	1	2011	4	2014