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

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

3600: Research, Development, Test & Evaluation, Air Force

PE 0207227F: Combat Rescue - Pararescue

BA 7: Operational Systems Development

COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	0.914	1.119	0.542	-	0.542	0.894	0.800	0.643	0.655	Continuing	Continuing
675352: Guardian Angel RDT&E	-	0.914	1.119	0.542	-	0.542	0.894	0.800	0.643	0.655	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

### A. Mission Description and Budget Item Justification

Guardian Angel (GA) is an Air Force non-aircraft weapon system 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 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), Combat Rescue Officer (CRO), and Survival, Evasion, Resistance, Escape (SERE). The GA FoS is comprised of nine critical mission areas: Precision Aerial Insertion, Information Management, Force Application, Visual Augmentation, Maritime Recovery, Ground Mobility, Technical Rescue, Medical, and SERE. GA focus is on maintaining legacy weapon system capability while modernizing/improving subsystems for better mission effectiveness.

Funds will be used to obtain significant improvements in operational capability and develop items within the GA FoS to include but not limited to: SONAR, Maritime Recovery, Technical Recovery, Integrated Oxygen System, Medical Monitoring, and the Guardian Angel Air Operations Kit. The Guardian Angel weapon system development activities also include studies, analysis, and developmental testing to support both current and future program planning and execution. Funding will deliver enhanced capability for the dismounted Guardian Angel soldier in terms of dramatic weight reduction and increased mission effectiveness across the conflict spectrum.

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.

PE 0207227F: Combat Rescue - Pararescue

Air Force

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

	orce			DATE	: April 2013		
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOME					
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development		PE 0207227F: <i>C</i>	Combat Rescue - Parares	scue			
B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 T	FY 2014 Total	
Previous President's Budget	0.927	1.119	0.542	-	0	.542	
Current President's Budget	0.914	1.119	0.542	-	0	.542	
Total Adjustments	-0.013	0.000	0.000	-	0	.000	
Congressional General Reductions	-	0.000					
<ul> <li>Congressional Directed Reductions</li> </ul>	-	0.000					
Congressional Rescissions	0.000	0.000					
<ul> <li>Congressional Adds</li> </ul>	-	0.000					
<ul> <li>Congressional Directed Transfers</li> </ul>	-	0.000					
Reprogrammings	0.000	0.000					
SBIR/STTR Transfer	-0.013	0.000					
<ul> <li>Other Adjustments</li> </ul>	0.000	0.000	0.000	-	0	.000	
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014	
Title: GA FoS				0.91	1.119	0.5	
<b>Description:</b> Standardize, modernize and develop additional ca							
<b>Description:</b> Standardize, modernize and develop additional carescue Officers and Pararescuemen. Development efforts pro Force combat search and rescue and personnel recovery. This operations to include patient treatment, extrication, surface/und recovery operations.	vide enhanced a weapon system	nd improved cap is utilized across	pabilities for execution of s the full spectrum of PF	Air R military			

PE 0207227F: Combat Rescue - Pararescue Air Force

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

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

3600: Research, Development, Test & Evaluation, Air Force

PE 0207227F: Combat Rescue - Pararescue

BA 7: Operational Systems Development

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Continue execution and development of previous year's acquisition activities. Complete test, study, strategic planning, and development activities for increased capability and address Engineering Change Proposals as needed. Conduct development and system enhancements on existing and future systems through incorporating test feedback and user inputs into subsequent iterations for better capability and mission success.			
FY 2014 Plans: Continue execution and development of previous year's acquisition activities. Complete test, study, strategic planning, and development activities for increased capability and address Engineering Change Proposals as needed. Conduct development and system enhancements on existing and future systems through incorporating test feedback and user inputs into subsequent iterations for better capability and mission success.			
Accomplishments/Planned Programs Subtotals	0.914	1.119	0.542

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

			FY 2014	FY 2014	FY 2014					<b>Cost To</b>	
Line Item	FY 2012	FY 2013	Base	OCO	<u>Total</u>	FY 2015	FY 2016	FY 2017	FY 2018	Complete	<b>Total Cost</b>
OPAF: BA04: Line Item #	12.598	23.435	22.854		22.854	24.389	23.690	21.556	0.000	Continuing	Continuing
842990: Items Less than \$5											
(Safety)											
• OPAF: BA02: Line Item# 823230:	0.000	4.101	3.800		3.800	3.752	3.933	4.004	4.076	Continuing	Continuing
Security and Tactical Vehicles											

#### Remarks

Air Force

### 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 fullfilled 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.

PE 0207227F: Combat Rescue - Pararescue

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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	1
3600: Research, Development, Test & Evaluation, Air Force	PE 0207227F: Combat Rescue - Pararescue	
BA 7: Operational Systems Development		
F. Performance Metrics		
Please refer to the Performance Base Budget Overview Book for infe	ormation on how Air Force resources are applied and ho	ow those resources are contributing to Air
Force performance goals and most importantly, how they contribute	to our mission.	

PE 0207227F: *Combat Rescue - Pararescue* Air Force

DATE: April 2013 Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force APPROPRIATION/BUDGET ACTIVITY **R-1 ITEM NOMENCLATURE PROJECT** 3600: Research, Development, Test & Evaluation, Air Force PE 0207227F: Combat Rescue -675352: Guardian Angel RDT&E BA 7: Operational Systems Development Pararescue FY 2014 FY 2014 FY 2014 **Product Development (\$ in Millions)** FY 2012 FY 2013 Base oco Total Contract Target Method Performing All Prior Award Award Award Award **Cost To** Total Value of **Cost Category Item** & Type Activity & Location Years Cost Date Date Cost Date Cost Date Complete Contract Cost Cost Cost GA Family Of Systems Various Various: Various. 0.514 Aug 2012 0.561 Mar 2013 0.102 Dec 2013 0.102 Continuing Continuing TBD Subtotal 0.000 0.514 0.561 0.102 0.000 0.102 FY 2014 FY 2014 FY 2014 Support (\$ in Millions) oco Total FY 2012 FY 2013 Base Contract Target Method All Prior Value of Performing Award Award Award Award Cost To Total **Cost Category Item** & Type **Activity & Location** Years Cost Date Cost Date Cost Date Cost Date Cost Complete Cost Contract Subtotal 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 FY 2014 FY 2014 FY 2014 Test and Evaluation (\$ in Millions) FY 2012 FY 2013 Base oco Total Contract Target All Prior Method Performing Award Award Award Award **Cost To** Total Value of Date **Cost Category Item** & Type **Activity & Location** Years Cost Date Cost Date Cost Date Cost Cost Complete Cost Contract Accreditation and 413 TS:Nellis AFB. C/Various Jan 2013 0.200 Sep 2012 0.279 0.115 Dec 2013 0.115 Continuing Continuing TBD Certification Jan 2013 Test Agency Support 46TS:Eglin AFB, FL 0.200 Aug 2012 0.325 Mar 2014 0.325 Continuing Continuing RO 0.279 TBD Subtotal 0.000 0.400 0.558 0 440 0.000 0.440 FY 2014 FY 2014 FY 2014 Management Services (\$ in Millions) FY 2012 FY 2013 Base oco Total Contract Target Method All Prior Cost To Value of Performing Award Award Award Award Total & Type **Activity & Location** Cost Cost **Cost Category Item** Years Date Cost Date **Date** Cost **Date** Cost Complete Cost Contract 0.000 0.000 0.000 Subtotal 0.000 0.000 0.000 0.000 0.000 0.000 Target FY 2014 FY 2014 All Prior FY 2014 Cost To Total Value of Years FY 2012 FY 2013 oco Complete Contract Base Total Cost **Project Cost Totals** 0.914 0.542 0.000 1.119 0.000 0.542 Remarks

PE 0207227F: Combat Rescue - Pararescue

Air Force

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Exhibit R-4. RDT&E Schedule Profile: PB 2014 Air Force

**R-1 ITEM NOMENCLATURE** 

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force

BA 7: Operational Systems Development

PE 0207227F: Combat Rescue -

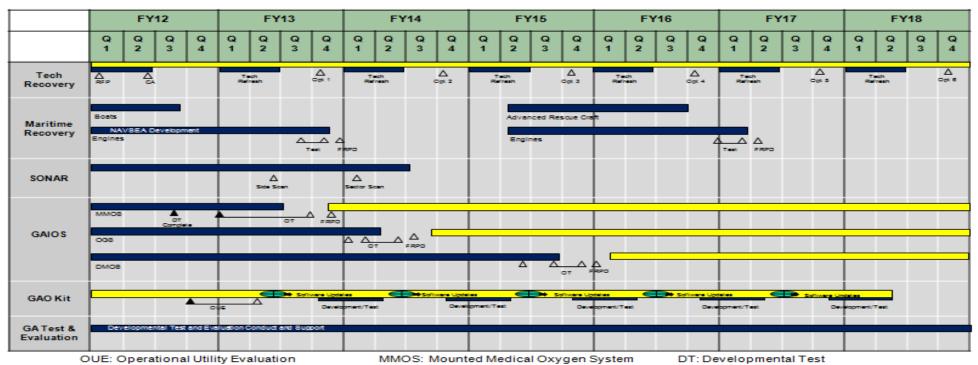
Pararescue

**PROJECT** 

675352: Guardian Angel RDT&E



# **GA RDT&E Schedule Profile**



OGS: Oxygen Generation System DMOS: Dismounted Medical Oxygen System OT: Operational Test

FRPD: Full Rate Production Decision

PE 0207227F: Combat Rescue - Pararescue Air Force

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT

3600: Research, Development, Test & Evaluation, Air Force PE 0207227F: Combat Rescue - 675352: Guardian Angel RDT&E

BA 7: Operational Systems Development Pararescue

## Schedule Details

	St	End		
Events	Quarter	Year	Quarter	Year
Technical Recovery	1	2012	4	2018
Maritime Recovery	1	2012	1	2017
SONAR	1	2012	2	2014
GAIOS	1	2012	4	2015
GAO Kit	1	2012	2	2018
Test and Evaluation	1	2012	4	2018

PE 0207227F: Combat Rescue - Pararescue Air Force