

UNCLASSIFIED

PE NUMBER: 0207227F

PE TITLE: Pararescue (Guardian Angel Weapon System)

Exhibit R-2, RDT&E Budget Item Justification

DATE

May 2009

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0207227F Pararescue (Guardian Angel Weapon System)

Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	2.950	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5352 Guardian Angel RDT&E	0.000	0.000	2.950	0.000	0.000	0.000	0.000	0.000	0.000	0.000

(U) **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 FY10 funds will be used to develop items within the FoS to include but not limited to technical recovery kits, Guardian Angel Operations Kit and the Guardian Angel Rescue Vehicle.

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.

(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Previous President's Budget			
(U) Current PBR/President's Budget	0.000	0.000	2.950
(U) Total Adjustments	0.000	0.000	
(U) Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
(U) <u>Significant Program Changes:</u>			

Exhibit R-2a, RDT&E Project Justification

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5352 Guardian Angel RDT&E

Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
5352 Guardian Angel RDT&E	0.000	0.000	2.950	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **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 AFD 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 FY10 funds will be used to develop items within the FoS to include but not limited to technical recovery kits, Guardian Angel Operations Kit and the Guardian Angel Rescue Vehicle.

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(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Development			1.800
(U) Test			0.900
(U) Integration			0.250
(U) Total Cost	0.000	0.000	2.950

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

	<u>FY 2008</u> <u>Actual</u>	<u>FY 2009</u> <u>Estimate</u>	<u>FY 2010</u> <u>Estimate</u>	<u>FY 2011</u> <u>Estimate</u>	<u>FY 2012</u> <u>Estimate</u>	<u>FY 2013</u> <u>Estimate</u>	<u>FY 2014</u> <u>Estimate</u>	<u>FY 2015</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) NGRE 350	0.600									0.600
(U) O&M	3.500	6.500								10.000

(U) **D. 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. This is a new start considering all prior year work was accomplished using 3400 dollars and NGRE 350 fund

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Exhibit R-3, RDT&E Project Cost Analysis										DATE May 2009			
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207227F Pararescue (Guardian Angel Weapon System)					PROJECT NUMBER AND TITLE 5352 Guardian Angel RDT&E			
(U)	<u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2008 Cost</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>FY 2010 Cost</u>	<u>FY 2010 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U)	<u>Product Development</u> GA FOS	various	Systems Research & Applications Corp, Dayton Ohio						1.800	Jan-10	Continuing	TBD	TBD
	Subtotal Product Development			0.000	0.000		0.000		1.800		Continuing	TBD	TBD
	Remarks:												
(U)	<u>Support</u>						0.000		0.000			0.000	0.000
	Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
	Remarks:												
(U)	<u>Test & Evaluation</u> Integration and Certification	C/Various Project Order	Various 413 TS, Eglin AFB, FL						0.250	Jan-11	Continuing	TBD	TBD
	Test Agency Support								0.900	Jan-11	Continuing	TBD	TBD
	Subtotal Test & Evaluation			0.000	0.000		0.000		1.150		Continuing	TBD	TBD
	Remarks:												
(U)	<u>Management</u>											0.000	
	Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
	Remarks:												
(U)	Total Cost			0.000	0.000		0.000		2.950		Continuing	TBD	TBD
R-1 Line Item No. 138													
Project 5352													
Page-3 of 5													
Exhibit R-3 (PE 0207227F)													

R-1 Line Item No. 138

Page-3 of 5

Exhibit R-3 (PE 0207227F)

Exhibit R-4, RDT&E Schedule Profile

DATE

May 2009

BUDGET ACTIVITY

07 Operational System Development

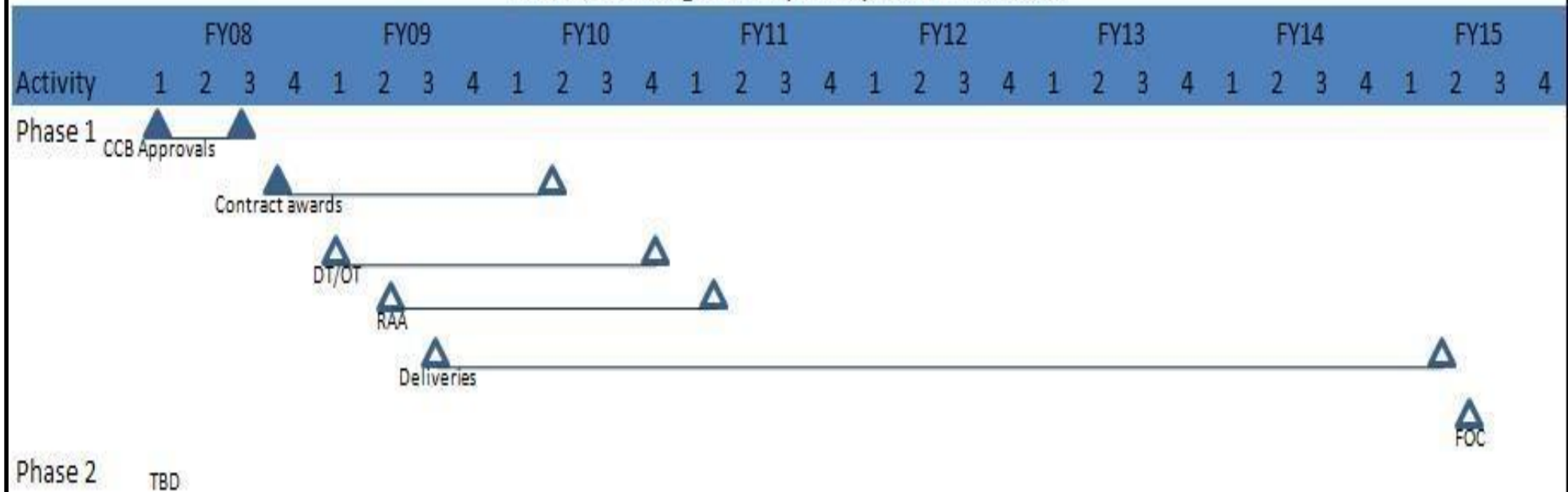
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Guardian Angel Weapon System Schedule



Schedule Notes

Phase 1

- Projects have been assigned per Modification Proposals (AF 1067)
- Numerous projects are being worked from start to finish of each event indicated above
- Projects are executed independently and do not rely upon completion of all previous events
- Test will be conducted to handle an acquisition incremental development approach

Phase 2

- Awaiting final F-Study results and way ahead from ACC

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Exhibit R-4a, RDT&E Schedule Detail

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(U) Schedule ProfileFY 2008FY 2009FY 2010

(U) Integration

1Q

(U) Test

3-4Q

1Q

1Q

(U) Multiple contract awards

4Q

1-4Q

1-4Q

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