

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0207227F / <i>Combat Rescue - Pararescue</i>
--	---

COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	0.845	0.863	0.726	0.000	0.726	0.742	0.761	0.777	0.774	Continuing	Continuing
675352: <i>Guardian Angel RDT&amp;E</i>	-	0.845	0.863	0.726	0.000	0.726	0.742	0.761	0.777	0.774	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

Guardian Angel (GA) is an Air Force non-aircraft weapon system within the overarching Special Warfare 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.

Mission Description and Budget Item Justification To stay aligned with SECAF Operational Imperatives, with OSD Focus Area C2, logistics mobility (land/water), funds will be used to obtain significant improvements in operational capability and develop items within the GA FoS to include but not limited to: Maritime Recovery (open ocean boat), Ground Mobility, Technical Recovery, Precision Aerial Insertion (cargo & personnel parachutes), Medical (Simulators), Information Management, SERE, Visual Augmentation (night vision, augmented reality) and Force Protection. This may be conducted through industry technology demonstrations, prototypes, and associated engineering support to posture the GA program for technology insertion. The Guardian Angel weapon system development activities also include studies, analysis, requirements development and developmental testing to support both current and future program planning and execution. Funding will deliver enhanced capability for the dismounted Guardian Angel Operators in terms of dramatic weight reduction and increased mission effectiveness across the conflict spectrum. This funding request will support potential DMS and obsolescence solutions, to include if optimal, life of type buys or bridge buys limited to the program of record quantity.

Guardian Angel funding also supports innovation activities to include studies, analyses, requirements definition, and quick-reaction capability prototypes/demonstrations to accelerate planning for technology transition, technology insertion and future acquisition programs

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Guardian Angel weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605831F, 0605827F, 0605828F, 0605829F, 0605832F, 0605833F, 0605898F, 0606398F. In FY23 0.578M was expended for civilian pay expenses in this program element, and in FY24 0.591M is forecasted for civilian pay expenses in this program element.

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.

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2024 Air Force				<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>		<b>R-1 Program Element (Number/Name)</b> PE 0207227F / <i>Combat Rescue - Pararescue</i>				
<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	
Previous President's Budget	0.852	0.863	0.724	0.000	0.724	
Current President's Budget	0.845	0.863	0.726	0.000	0.726	
Total Adjustments	-0.007	0.000	0.002	0.000	0.002	
• Congressional General Reductions	0.000	0.000				
• Congressional Directed Reductions	0.000	0.000				
• Congressional Rescissions	0.000	0.000				
• Congressional Adds	0.000	0.000				
• Congressional Directed Transfers	0.000	0.000				
• Reprogrammings	0.000	0.000				
• SBIR/STTR Transfer	-0.007	0.000				
• Other Adjustments	0.000	0.000	0.002	0.000	0.002	
<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>				<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Guardian Angel Family of Systems (FoS)				0.845	0.863	0.726
<b>Description:</b> Standardize, modernize and develop additional capability for the Guardian Angel (GA) weapon system used by Combat Rescue Officers and Pararescuemen. Development efforts provide enhanced and improved capabilities for execution of Air Force combat search and rescue and personnel recovery. This weapon system is utilized across the full spectrum of Personnel Recovery (PR) military operations to include patient treatment, extrication, surface/underwater search and recovery, airborne infil/exfil, and ground recovery operations.						
<b>FY 2023 Plans:</b>						
-continue to complete studies, strategic planning, and development activities for increased capability.						
-continue necessary software upgrades to Special Warfare Assault Kit (SWAK) information management system.						
-conduct testing for SECAF OI & OSD Focus Area for Resilient Basing Agile Combat Employment						
-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.						
-meet with Rapid Acquisition (AFRL, AFWERX, DIU, TENCAP) periodically to monitor ongoing RDT&E efforts and determine the best use of such funds.						
<b>FY 2024 Plans:</b>						
-Will continue to complete studies, strategic planning, and development activities for increased capability.						
-Will continue necessary software upgrades to Special Warfare Assault Kit (SWAK) information management system.						
-Will conduct testing for SECAF OI & OSD Focus Area for Resilient Basing (Agile Combat Employment)						

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2024 Air Force	<b>Date:</b> March 2023
--	-------------------------

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0207227F / <i>Combat Rescue - Pararescue</i>
--	---

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2022	FY 2023	FY 2024
-Will 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. -Will meet with AFRL periodically to monitor ongoing RDT&E efforts and determine the best use of such funds.			
<b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> Budget decreased due to higher Air Force priorities.			
<b>Accomplishments/Planned Programs Subtotals</b>	0.845	0.863	0.726

<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
• OPAF 04 Line Item 842990: <i>Items Less than \$5M (Safety)</i>	23.169	23.509	24.904	-	24.904	24.562	25.304	25.860	26.377	Continuing	Continuing
• OPAF 02 Line Item 823230: <i>Security and Tactical Vehicles</i>	0.281	0.287	0.268	-	0.268	0.300	0.310	0.317	0.317	Continuing	Continuing
• WPN test: <i>test</i>	-	0.000	-	-	-	-	-	-	-	0.000	0.000

**Remarks**

**E. Acquisition Strategy**  
The Guardian Angel (GA) program will address warfighter immediate needs to standardize, modernize, and develop additional capability for the weapon system used by Combat Rescue Officers and Pararescuemen. The program will also address future requirements for the weapon system that will encompass the needs of all three GA career fields.

The GA program is an incremental evolutionary acquisition effort in which requirements are fulfilled through further sub-system development and integration. These are being identified through updates to the Core Function Support Plan and GA Concept of Employment by HQ Air Combat Command. The program has been divided into phases to more rapidly meet the user's immediate need to standardize and modernize the weapon system.



**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0207227F / <i>Combat Rescue - Pararescue</i>	<b>Project (Number/Name)</b> 675352 / <i>Guardian Angel RDT&amp;E</i>
--	---	--

FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<b>Events By Sub Project</b>																												
Information Management Software																												
Test Support																												
GA Equipment Upgrades																												
Human Performance Organization Support (POTFF)																												

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0207227F / <i>Combat Rescue - Pararescue</i>	<b>Project (Number/Name)</b> 675352 / <i>Guardian Angel RDT&amp;E</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Events By Sub Project</b>				
Information Management Software	1	2022	4	2028
Test Support	1	2022	4	2028
GA Equipment Upgrades	1	2022	4	2028
Human Performance Organization Support (POTFF)	1	2022	4	2028