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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 United States Special Operations Command **Date:** March 2023

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 1160480BB / <i>SOF Tactical Vehicles</i>
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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	59.393	7.771	10.719	9.335	-	9.335	9.704	9.906	10.099	6.076	Continuing	Continuing
S910: <i>SOF Tactical Vehicles</i>	59.393	7.771	10.719	9.335	-	9.335	9.704	9.906	10.099	6.076	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element provides for the development and testing of a variety of capability upgrades to Special Operations Forces (SOF) Vehicles and mission enabling equipment. Current SOF tactical vehicles are categorized into Light, Medium, Heavy, and Commercial, which include the Lightweight Tactical All-Terrain Vehicle (LTATV); Ground Mobility Vehicle (GMV 1.0 / 1.1); Joint Light Tactical Vehicle (JLTV); Mine Resistant Ambush Protected (MRAP) Vehicle; Non-Standard Commercial Vehicle (NSCV); and SOF unique modifications for service common platforms. The SOF mission mandates that SOF vehicles remain technologically superior, operate in multiple environments, and be able to meet any threat to provide a maximum degree of survivability and build enduring advantages and campaigning to advance strategy-aligned priorities in accordance with the 2022 National Defense Strategy.

The total cost of the Family of Special Operations Vehicles (FSOV) Middle Tier of Acquisition effort is \$263.875 million (FY 2024 - FY 2028), including RDT&E and procurement of prototype units. This effort is fully funded across the FYDP.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	7.703	13.594	6.025	-	6.025
Current President's Budget	7.771	10.719	9.335	-	9.335
Total Adjustments	0.068	-2.875	3.310	-	3.310
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-2.875			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.350	-			
• SBIR/STTR Transfer	-0.282	-			
• Adjustments to Budget Year	-	-	3.310	-	3.310

Change Summary Explanation

Funding:

FY 2022: Net increase of \$0.068 million is due to a reprogramming to support the next generation hybrid/electric GMV 1.1 test (\$0.350 million) and a transfer of funds to the congressionally mandated Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR) programs (-\$0.282 million).

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R-1 Program Element (Number/Name)
PE 1160480BB / *SOF Tactical Vehicles*

FY 2023: Decrease of \$2.875 million due to a Congressional Directed Reduction to the Family of Special Operations Vehicles (FSOV) for unjustified growth.

FY 2024: Net increase of \$3.310 million supports capability enhancements such as platform development, mobility and performance, signature management, survivability, lethality, communications, and the associated testing to create a diverse fleet of SOF tactical vehicles.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command										Date: March 2023		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160480BB / <i>SOF Tactical Vehicles</i>				Project (Number/Name) S910 / <i>SOF Tactical Vehicles</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
S910: <i>SOF Tactical Vehicles</i>	59.393	7.771	10.719	9.335	-	9.335	9.704	9.906	10.099	6.076	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the development and testing of a variety of capability upgrades to Special Operations Forces (SOF) Vehicles and mission enabling equipment. Current SOF tactical vehicles are categorized into Light, Medium, Heavy, and Commercial, which include the Lightweight Tactical All-Terrain Vehicle (LTATV); Ground Mobility Vehicle (GMV 1.0 / 1.1); Joint Light Tactical Vehicle (JLTV); Mine Resistant Ambush Protected (MRAP) Vehicle; Non-Standard Commercial Vehicle (NSCV); and SOF unique modifications for service common platforms. The SOF mission mandates that SOF vehicles remain technologically superior, operate in multiple environments, and be able to meet any threat to provide a maximum degree of survivability.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2022	FY 2023	FY 2024
Title: Family of Special Operations Vehicles (FSOV)	7.771	10.719	9.335
<p>Description: Funding provides for design/engineering, test, and evaluation costs related to capability upgrades in the following areas: Survivability; Lethality; Signature Management; Mobility/Performance; Communications; and Product Development. These capability upgrades and Engineering Change Proposals (ECPs) are incorporated across the FSOV portfolio of vehicles: Ground Mobility Vehicle (GMV 1.1), Program Number 803; Non-Standard Commercial Vehicle (NSCV), Program Number 804; Lightweight Tactical All-Terrain Vehicle (LTATV), Program Number 840; Mine Resistant Ambush Protected (MRAP) Vehicle, Program Number 802; and other service common platforms such as the Joint Light Tactical Vehicle (JLTV).</p> <p>FY 2023 Plans: Continue the development and integration of ECPs that implement capability upgrades and improve the performance of NSCV, GMV 1.1, LTATV, MRAP and JLTV platforms. Continue the development, integration and testing of Counter Unmanned System (C-UxS) / Precision Strike System (PSS), Signature Reduction, and 360 degrees Situational Awareness (SA) on vehicle platforms. FY 2023 funding also includes the development, integration and testing of Autonomous Capabilities, developmental test and evaluation of LTATV Hybrid/Electric, and JLTV SOF Mods and other SOF mobility platforms. Complete Alternative Position Navigation Timing (A-PNT) and NSCV Blast Vulnerability Study.</p> <p>FY 2024 Plans: Continues the development and integration of ECPs that improve the performance of LTATV, GMV 1.1, MRAP, JLTV, NSCV, Stryker communications, and other emerging SOF and service common platforms. Continues capability development for JLTV SOF Mods and other SOF Mobility platforms including Hybrid/Electric and autonomous technology, signature reduction, C-UxS, PSS, SA, along with enhanced integrated communications, lethality, and survivability modernization. Continues to transition developed technologies across the FSOV fleet.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p>			

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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160480BB / <i>SOF Tactical Vehicles</i>	Project (Number/Name) S910 / <i>SOF Tactical Vehicles</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
Decrease of \$1.384 million is due reduction in GMV 1.1 ECPs, the planned completion of A-PNT and NSCV Blast Vulnerability study. In addition, FY 2023 funding reflects a single year increase of \$3.310 million for JLTV product development.			
Accomplishments/Planned Programs Subtotals	7.771	10.719	9.335

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

Line Item	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
• PROC/0204TACVEH: <i>Tactical Vehicles</i>	33.469	59.605	56.561	-	56.561	56.528	57.375	23.899	24.392	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Family of Special Operations Vehicles (FSOV), in accordance with DoDI, 5000.80, utilizes the Middle Tier of Acquisition (MTA) pathway for Rapid Fielding of capability upgrades and Engineering Change Proposals (ECPs) for Survivability, Lethality, Signature Management, Mobility/Performance, Communications, and Product Development, incorporated across the FSOV portfolio of vehicles to include: Ground Mobility Vehicle (GMV 1.1); Non-Standard Commercial Vehicle (NSCV); Lightweight Tactical All-Terrain Vehicle (LTATV); Mine Resistant Ambush Protected (MRAP) Vehicle; and other service common platforms such as the Joint Light Tactical Vehicle (JL TV). The current acquisition approach for SOF Tactical Vehicles utilizes the MTA rapid fielding pathway to support capability set procurements and fielding. The FSOV program will transition to a tailored Acquisition Category (ACAT) program utilizing the major capability acquisition pathway to complete fielding. The FSOV program will apply SOF-Peculiar modifications to service common or Commercial-Off-The-Shelf (COTS) vehicles whenever possible. Where required, the FSOV program will incorporate purpose-built, non-developmental Item, or modified COTS vehicles if/when service solution is unavailable.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 United States Special Operations Command **Date:** March 2023

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Ground Mobility Vehicle (GMV) 1.1 Capability Enhancements / Engineering Change Proposal (ECP) Development	Various	Various : Various	16.944	1.290	Feb 2022	1.000	May 2023	0.715	May 2024	-		0.715	Continuing	Continuing	-
Non-Standard Commercial Vehicle (NSCV) Capability Enhancements / ECP Development	Various	Various : Various	8.454	-		0.594	Jul 2023	0.510	Feb 2024	-		0.510	Continuing	Continuing	-
Light Tactical All-Terrain Vehicle (LTATV) Capability Enhancements / ECP Development	Various	Various : Various	1.685	3.031	Dec 2021	0.500	Nov 2022	1.100	Nov 2023	-		1.100	Continuing	Continuing	-
Mine Resistant Ambush Protected (MRAP) Vehicle Capability Enhancements/ ECP Development	Various	Various : Various	1.686	2.300	Jan 2022	0.125	Mar 2023	0.600	Mar 2024	-		0.600	Continuing	Continuing	-
Joint Light Tactical Vehicle (JLTV) Capability Enhancements / ECP Development	Various	Various : Various	1.750	-		2.000	Dec 2022	1.000	Dec 2023	-		1.000	Continuing	Continuing	-
Survivability Enhancement/ Improvement Efforts	Various	Various : Various	2.036	0.650	Apr 2022	0.750	Mar 2023	1.000	Mar 2024	-		1.000	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	0.385	-		-		-		-		-	0.000	0.385	-
Prior Year Funding - (OCO)	C/Various	Various : Various	0.725	-		-		-		-		-	0.000	0.725	-
Prior Year Funding - Congressional Add	Various	Various : Various	4.818	-		-		-		-		-	0.000	4.818	-
Subtotal			38.483	7.271		4.969		4.925		-		4.925	Continuing	Continuing	N/A

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Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Funding	Various	Various : Various	4.051	-		-		-		-		-	0.000	4.051	-
Subtotal			4.051	-		-		-		-		-	0.000	4.051	N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
GMV 1.1 Developmental Test and Evaluation (DT&E) Validation Efforts (Automotive, Command, Control, Communications, Computers, and Intelligence (C4I), Ballistics, Operator Events)	Various	Various : Various	2.084	0.250	Mar 2022	1.500	Mar 2023	0.407	Mar 2024	-		0.407	Continuing	Continuing	-
NSCV DT&E Validation Efforts (Automotive, C4I, Ballistics, Operator Events)	Various	Various : Various	3.905	0.250	Mar 2022	2.000	Jan 2023	1.500	Jan 2024	-		1.500	Continuing	Continuing	-
LTATV DT&E Efforts	Various	Various : Various	1.181	-		2.250	Jan 2023	0.503	Jan 2024	-		0.503	Continuing	Continuing	-
JLTV Special Operations Forces-peculiar (SOF-p) Mods DT&E Validation	Various	Various : Various	-	-		-		2.000	Mar 2024	-		2.000	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	9.689	-		-		-		-		-	0.000	9.689	-
Subtotal			16.859	0.500		5.750		4.410		-		4.410	Continuing	Continuing	N/A

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals		59.393	7.771	10.719	9.335	-	9.335	Continuing	Continuing	N/A

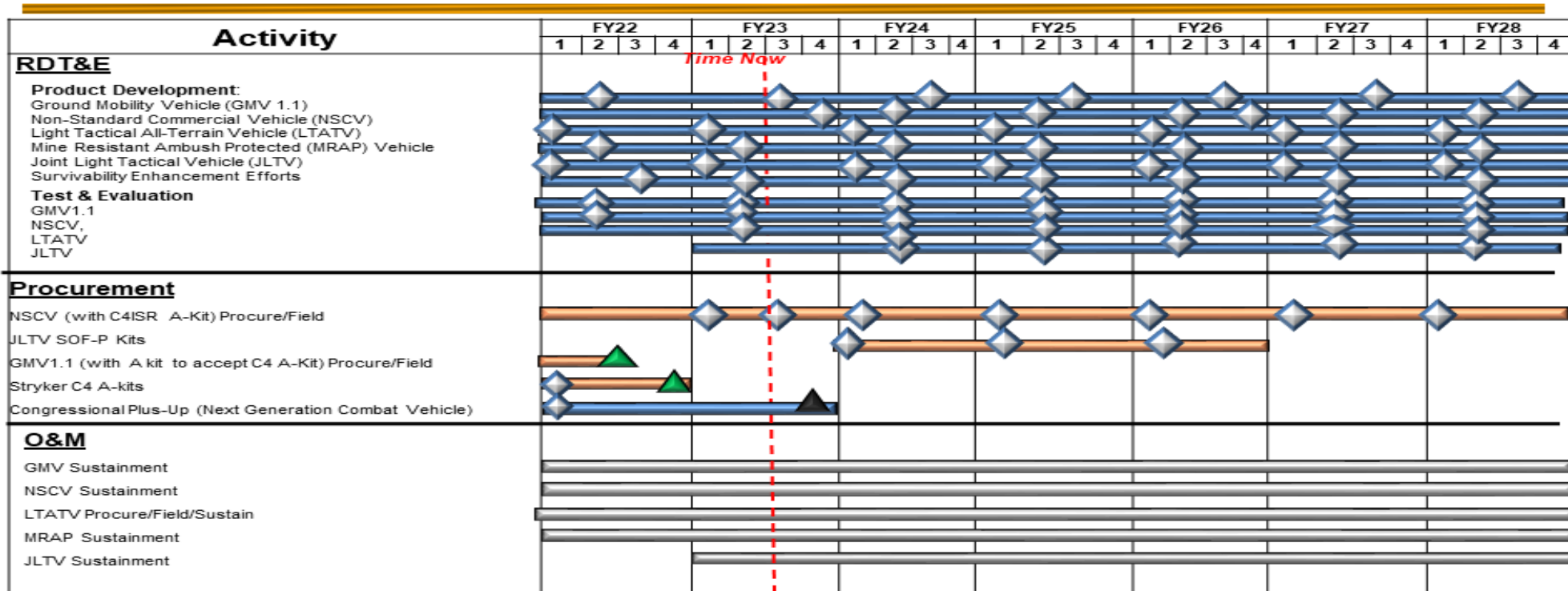
Remarks

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Project (Number/Name)
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Family of Special Operations Vehicles (FOSOV) Schedule



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Exhibit R-4A, RDT&E Schedule Details: PB 2024 United States Special Operations Command **Date:** March 2023

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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Family of Special Operations Vehicles (FSOV)</i>				
Ground Mobility Vehicle (GMV) 1.1 Product Development	1	2022	4	2028
Non-Standard Commercial Vehicle (NSCV) Product Development	1	2022	4	2028
Light Tactical All-Terrain Vehicle (LTATV) Product Development	1	2022	4	2028
Mine Resistant Ambush Protected (MRAP) Vehicle Product Development	1	2022	4	2028
Joint Light Tactical Vehicle (JLTV) Product Development	1	2022	4	2028
Next Generation Combat Vehicles Congressional Plus-Up	1	2022	4	2028
GMV 1.1 Developmental Test & Evaluation (DT&E)	1	2022	4	2028
NSCV DT&E	1	2022	4	2028
LTATV DT&E	1	2022	4	2028
JLTV SOF-p DT&E	1	2023	4	2028