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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 United States Special Operations Command **Date:** May 2017

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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	32.047	2.477	3.316	2.578	-	2.578	2.624	2.677	2.730	2.807	Continuing	Continuing
S910: <i>SOF Tactical Vehicles</i>	32.047	2.477	3.316	2.578	-	2.578	2.624	2.677	2.730	2.807	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element provides for the development and testing of a variety of incremental upgrades to Special Operations Forces (SOF) Vehicles and ancillary equipment. Current SOF tactical vehicles include: Lightweight Tactical All Terrain Vehicles (Light), Ground Mobility Vehicles (Medium), Non-Standard Commercial Vehicles (Commercial) for use in tactical missions, and Mine Resistant Ambush Protected Vehicles (Heavy). 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. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	3.212	3.316	2.578	-	2.578
Current President's Budget	2.477	3.316	2.578	-	2.578
Total Adjustments	-0.735	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.625	-			
• SBIR/STTR Transfer	-0.110	-			

Change Summary Explanation

Funding:

FY 2016: Decrease of -\$0.735 million is due to reprogramming to higher command priorities (-\$0.625 million) and a transfer of funds to Small Business Innovative Research/Small Business Technology Research Transfer programs (-\$0.110 million).

FY 2017: None.

FY 2018: None.

Schedule: None.

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Technical: None.		

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Exhibit R-2A, RDT&E Project Justification: FY 2018 United States Special Operations Command										Date: May 2017		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160480BB / SOF Tactical Vehicles				Project (Number/Name) S910 / SOF Tactical Vehicles			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
S910: SOF Tactical Vehicles	32.047	2.477	3.316	2.578	-	2.578	2.624	2.677	2.730	2.807	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project develops, tests, and evaluates Special Operations vehicles and modifications. The Special Operations Forces (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. The current family of SOF tactical vehicles include: individual mobility vehicles, light mobility vehicles, medium mobility vehicles, non-standard commercial vehicles, and heavy mobility vehicles.

Family of Special Operations Vehicles (FSOV). This initiative provides for product improvements in the areas of suspension, power management, armor protection and unique vehicle design for all SOF tactical vehicle configurations. Designs must be standardized across all SOF Components that utilize a tactical vehicle. Improvements include, but are not limited to, new engineering change proposals (ECPs), field safety issues and theater endorsed requirements that make it essential to keep up with the increased weight and minimize the impact to mobility on the basic vehicle. FSOV develops, integrates and tests Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance systems in order to reduce space and power claim on vehicles and develop safety and engineering improvements that specifically address the enemy's changing tactics on the battlefield which typically focuses on survivability, force protection, or mobility. Specific efforts include but are not limited to: Ground Mobility Vehicle (GMV) Medium Version 1.1 effort which provides for a medium vehicle variant capable of meeting specific requirements of internal aircraft transport on the C/MH-47. The effort also provides for engineering costs related to performance, endurance, safety testing, integration and logistical analysis of product samples. Additionally, efforts include ECPs associated with the Non-Standard Commercial Vehicle (NSCV), the Lightweight Tactical All Terrain Vehicle (LTATV). These ECPs will address any identified safety, reliability, and performance concerns. Finally, funding will be used to support vehicle signature reduction efforts.

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

	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: FSOV	2.477	3.316	2.578	-	2.578
FY 2016 Accomplishments: Completed GMV 1.1 Initial, Operational, Test and Evaluation. Continued integration of ECPs that implement incremental upgrades and improve the design of the LTATV and GMV 1.1. Continued enhancements/modifications on the NSCV to improve reliability and survivability and engineering design changes.					
FY 2017 Plans: Continue design/development and integration of ECPs that implement incremental upgrades and improve the design of the LTATV, GMV 1.1, and NSCV, to include a C4 effort to incorporate a Chairman of the Joint Chiefs of Staff directed Global Positioning System (GPS) upgrade to M-Code. Continue GMV 1.1 product development					

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B. Accomplishments/Planned Programs (\$ in Millions)						FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
to include an air drop certification for vehicle reliability. Continue enhancements/modifications on the NSCV to improve reliability and survivability.											
<i>FY 2018 Base Plans:</i> Continues design/development and integration of ECPs that implement incremental upgrades and improve the design of the LTATV, GMV 1.1, and NSCV, to include a C4 effort to incorporate a Chairman of the Joint Chiefs of Staff directed GPS upgrade to M-Code. Continues safety, reliability, performance, and operational testing of multiple variants of NSCV from the new contract.											
Accomplishments/Planned Programs Subtotals						2.477	3.316	2.578	-	2.578	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
• PROC/0204TACVEH: <i>Tactical Vehicles</i>	74.145	71.049	63.304	38.527	101.831	60.631	77.864	37.870	28.951	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Vehicle improvements integrate emerging technology or commercial-off-the-shelf/non-developmental items. Materiel solutions will be procured via existing contracts or through a competitive procurement.											
E. Performance Metrics											
N/A											