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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2015 United States Special Operations Command **Date:** March 2014

<b>Appropriation/Budget Activity</b> 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development	<b>R-1 Program Element (Number/Name)</b> PE 1160480BB / SOF Tactical Vehicles
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	15.424	10.935	2.135	3.672	-	3.672	3.235	3.369	2.621	2.669	Continuing	Continuing
S910: SOF Tactical Vehicles	15.424	10.935	2.135	3.672	-	3.672	3.235	3.369	2.621	2.669	Continuing	Continuing

# The FY 2015 OCO Request will be submitted at a later date.

## 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>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO</b>	<b>FY 2015 Total</b>
Previous President's Budget	11.325	2.206	3.672	-	3.672
Current President's Budget	10.935	2.135	3.672	-	3.672
Total Adjustments	-0.390	-0.071	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-0.015	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.375	-0.071			

## Change Summary Explanation

Funding:

FY 2013: Decrease of -\$0.390 million is due to congressional rescissions -\$0.015 million and a transfer of funds to Small Business Innovative Research (-\$0.375 million).

FY 2014: Decrease of -\$0.071 million is due to a transfer of funds to Small Business Innovative Research/Small Business Technology Transfer programs.

FY2015: None

Schedule: None.

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Technical: None.		

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Exhibit R-2A, RDT&E Project Justification: PB 2015 United States Special Operations Command										Date: March 2014		
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
S910: SOF Tactical Vehicles	15.424	10.935	2.135	3.672	-	3.672	3.235	3.369	2.621	2.669	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

# The FY 2015 OCO Request will be submitted at a later date.

## 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 (C4ISR) 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: Medium Mobility Vehicle Version 1.1 effort which provides for a medium vehicle variant capable of meeting specific requirements of internal aircraft transport on the C/MH47. 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) and the Light Tactical Vehicle. These ECPs will address any identified safety, reliability, and performance concerns. Finally, funding will be used to support vehicle signature reduction efforts. The Mine Resistant Ambush Protected (MRAP) Vehicle Kit. Effort provides design, prototyping, testing and installation manual development of SOF peculiar integration kits for multiple models of Service-common MRAPs employed by SOF. Kits will enable SOF unique C4ISR installation and Common Remotely Operated Weapon Station integration to service-common MRAPs.

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

	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
<b>Title:</b> Family of Special Operations Vehicle	10.935	2.135	3.672
<b>FY 2013 Accomplishments:</b> Conducted various NSCV tests to support platform ECP designs that enhanced safety and reliability. Developed ECPs that implement incremental upgrades and improve the design of the medium mobility vehicles; efforts include development, prototyping and testing for Medium Mobility Vehicle, GMV 1.0 and 1.1. Developed SOF-peculiar integration kits for service-common MRAPs.			
<b>FY 2014 Plans:</b>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>								<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	
Continue development of ECPs that implement incremental upgrades and improve the design of the medium mobility vehicles. Complete development, prototyping and testing of version 1.1 of medium mobility vehicle and SOF-Peculiar Integration Kits for service variant MRAPS.											
<b>FY 2015 Plans:</b> Continues integration of ECPs that implement incremental upgrades and improve the design of the medium mobility vehicles. Efforts include Live Fire Test and Evaluation (LFT&E) and Initial Operational Test and Evaluation (IOT&E) of GMV 1.1 medium mobility vehicle. Continues enhancements/modifications on the NSCV to improve reliability and survivability.											
<b>Accomplishments/Planned Programs Subtotals</b>								10.935	2.135	3.672	
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO</b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• PROC: <i>Tactical Vehicles</i>	37.080	37.353	63.134	-	63.134	71.741	84.603	68.149	69.473	Continuing	Continuing
<b>Remarks</b>											
<b>D. Acquisition Strategy</b> 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.											
<b>E. Performance Metrics</b> N/A											

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2015 United States Special Operations Command	<b>Date:</b> March 2014
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<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 1160480BB / <i>SOF Tactical Vehicles</i>	<b>Project (Number/Name)</b> S910 / <i>SOF Tactical Vehicles</i>
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	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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>GMV 1.1 Vehicle Intercom (VIC-5) Systems</b>																												
GMV 1.1 VIC-5 Systems																												
<b>Non-Standard Commercial Vehicles (NSCV) ECP Development/Signature Reduction</b>																												
NSCV ECP Development/Signature Reduction																												
<b>Engineering Change Proposal (ECP) Developmental Test Support</b>																												
Engineering Change Proposal Developmental Test Support																												
<b>Medium Mobility Vehicle ECPI Development</b>																												
Medium Mobility Vehicle ECP Development																												
<b>Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development</b>																												
Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development																												
<b>Lightweight Tactical All Terrain Vehicles (LTATV) ECP Development</b>																												
LTATV ECP Development																												
<b>GMV 1.1 Armor Coupon Testing</b>																												
GMV 1.1 Armor Coupon Testing																												
<b>Ground Mobility Vehicle (GMV) 1.1 SOF Modification Integration and Test</b>																												
Ground Mobility Vehicle (GMV) 1.1 SOF Modification Integration and Test																												
<b>GMV Test Support</b>																												
GMV 1.1 Test Support																												

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2015 United States Special Operations Command	<b>Date:</b> March 2014
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	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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
GMV 1.1 IOT&E																												
<b><i>C4ISR ECP Developmental Test Support</i></b>																												
C4ISR ECP Developmental Test Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 United States Special Operations Command			Date: March 2014
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160480BB / SOF Tactical Vehicles	Project (Number/Name) S910 / SOF Tactical Vehicles	

## Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>GMV 1.1 Vehicle Intercom (VIC-5) Systems</b>				
GMV 1.1 VIC-5 Systems	4	2013	2	2014
<b>Non-Standard Commercial Vehicles (NSCV) ECP Development/Signature Reduction</b>				
NSCV ECP Development/Signature Reduction	4	2013	4	2019
<b>Engineering Change Proposal (ECP) Developmental Test Support</b>				
Engineering Change Proposal Developmental Test Support	1	2013	4	2019
<b>Medium Mobility Vehicle ECPI Development</b>				
Medium Mobility Vehicle ECP Development	1	2013	4	2019
<b>Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development</b>				
Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development	3	2013	4	2014
<b>Lightweight Tactical All Terrain Vehicles (LTATV) ECP Development</b>				
LTATV ECP Development	4	2013	4	2019
<b>GMV 1.1 Armor Coupon Testing</b>				
GMV 1.1 Armor Coupon Testing	4	2013	4	2014
<b>Ground Mobility Vehicle (GMV) 1.1 SOF Modification Integration and Test</b>				
Ground Mobility Vehicle (GMV) 1.1 SOF Modification Integration and Test	4	2013	2	2014
<b>GMV Test Support</b>				
GMV 1.1 Test Support	2	2015	4	2019
GMV 1.1 IOT&E	3	2015	4	2019
<b>C4ISR ECP Developmental Test Support</b>				
C4ISR ECP Developmental Test Support	1	2013	4	2019