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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2014 United States Special Operations Command **DATE:** April 2013

**APPROPRIATION/BUDGET ACTIVITY**

0400: *Research, Development, Test & Evaluation, Defense-Wide*  
BA 7: *Operational Systems Development*

**R-1 ITEM NOMENCLATURE**

PE 1160480BB: *SOF Tactical Vehicles*

<b>COST (\$ in Millions)</b>	<b>All Prior Years</b>	<b>FY 2012</b>	<b>FY 2013<sup>#</sup></b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO<sup>##</sup></b>	<b>FY 2014 Total</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	10.493	4.931	11.325	2.206	-	2.206	3.672	3.235	2.369	2.418	Continuing	Continuing
S910: <i>SOF Tactical Vehicles</i>	10.493	4.931	11.325	2.206	-	2.206	3.672	3.235	2.369	2.418	Continuing	Continuing

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 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 Vehicles and ancillary equipment. The current SOF tactical vehicles include: All Terrain Vehicles and Lightweight Tactical All Terrain Vehicles (Individual), Light Mobility 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)**

	<b><u>FY 2012</u></b>	<b><u>FY 2013</u></b>	<b><u>FY 2014 Base</u></b>	<b><u>FY 2014 OCO</u></b>	<b><u>FY 2014 Total</u></b>
Previous President's Budget	3.522	11.325	8.110	-	8.110
Current President's Budget	4.931	11.325	2.206	-	2.206
Total Adjustments	1.409	0.000	-5.904	-	-5.904
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	1.500	-			
• SBIR/STTR Transfer	-0.091	-			
• Other Adjustments	-	-	-5.904	-	-5.904

**Change Summary Explanation**

Funding:

FY 2012: Net increase of \$1.409 million is due to decrease of (-0.091) million transfer to Small Business Innovative Research and increase of \$1.500 million from reprogramming in support of Ground Mobility Vehicle 1.1 test.

FY 2013: No change.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 United States Special Operations Command		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 1160480BB: SOF Tactical Vehicles	
<p>FY2014: Net decrease of (-\$5.904) million is due to (-\$3.612) million reprogramming for higher command priorities and (-\$2.292) million to support higher Departmental priorities.</p> <p>Schedule: None.</p> <p>Technical: None.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2014 United States Special Operations Command										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 1160480BB: SOF Tactical Vehicles				PROJECT S910: SOF Tactical Vehicles			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
S910: SOF Tactical Vehicles	10.493	4.931	11.325	2.206	-	2.206	3.672	3.235	2.369	2.418	Continuing	Continuing
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 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 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. This program includes but is not limited to: Medium Mobility Vehicle Version 1.1 effort provides for a single projected multi-vendor award to acquire product samples 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. The Mine Resistant Ambush Protected (MRAP) Vehicle Kits. This 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 Remote Operator Weapons Station integration to Service-common MRAPs.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: Family of Special Operations Vehicle									4.931	11.325	2.206	
FY 2012 Accomplishments: Continued development of ECPs that implement incremental upgrades and improve the design of the medium mobility vehicles, to include development, integration and testing of a Single Joint Platform C4ISR solution. Began prototyping and testing of version 1.1 of medium ground mobility vehicle.												
FY 2013 Plans:												

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 United States Special Operations Command								<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 1160480BB: <i>SOF Tactical Vehicles</i>			<b>PROJECT</b> S910: <i>SOF Tactical Vehicles</i>				
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>								<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	
Continue development of ECPs that implement incremental upgrades and improve the design of the medium mobility vehicles, efforts include development, prototyping and testing of version 1.1 of medium mobility vehicle and SOF-Peculiar Integration Kits for service variant MRAPs.											
<b>FY 2014 Plans:</b> Continues development of ECPs that implement incremental upgrades and improve the design of the medium mobility vehicles, efforts include completing development, prototyping and testing of version 1.1 of medium mobility vehicle and SOF-Peculiar Integration Kits for service variant MRAPS.											
<b>Accomplishments/Planned Programs Subtotals</b>								4.931	11.325	2.206	
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO</b>	<b>FY 2014 Total</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• PROC: <i>TACTICAL VEHICLES</i>	30.324	39.264	43.353		43.353	63.135	71.729	69.557	66.109	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-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 United States Special Operations Command												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>						<b>R-1 ITEM NOMENCLATURE</b> PE 1160480BB: <i>SOF Tactical Vehicles</i>						<b>PROJECT</b> S910: <i>SOF Tactical Vehicles</i>			
<b>Support (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Engineering Change Proposal Developmental Test Support	MIPR	Aberdeen Test Center:Aberdeen, MD	0.883	0.375	Feb 2012	0.300	Dec 2012	-		-		-	Continuing	Continuing	
C4I Engineering Change Proposal Developmental Test Support	MIPR	Space and Naval Warfare Systems Command:Charleston, SC	1.802	0.850	Feb 2013	1.350	Feb 2013	-		-		-	Continuing	Continuing	
Medium Mobility Vehicle Engineering Change Proposal Development	MIPR	Naval Air Systems Command:Patuxent River, MD	1.646	0.600	Mar 2012	0.900	Apr 2013	0.130	Dec 2014	-		0.130	Continuing	Continuing	
Medium Mobility Vehicle Engineering Change Proposal Development	WR	GSE Engineering:Houghton, MI	3.330	1.606	Jan 2013	1.269	Jan 2013	0.100	Mar 2014	-		0.100	Continuing	Continuing	
Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development	MIPR	TBD:TBD	0.000	-		3.370	Jan 2013	-		-		-	0.000	3.370	
<b>Subtotal</b>			7.661	3.431		7.189		0.230		0.000		0.230			
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Ground Mobility Vehicle (GMV) 1.1 SOF Modification Integration and Test	C/FFP	TBD:TBD	2.832	1.500	Mar 2013	4.136	May 2013	1.976	Nov 2013	-		1.976	0.000	10.444	
<b>Subtotal</b>			2.832	1.500		4.136		1.976		0.000		1.976	0.000	10.444	
			<b>All Prior Years</b>	<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			10.493	4.931		11.325		2.206		0.000		2.206			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 United States Special Operations Command							DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 1160480BB: SOF Tactical Vehicles			PROJECT S910: SOF Tactical Vehicles			
	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	

Remarks

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2014 United States Special Operations Command						<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 1160480BB: <i>SOF Tactical Vehicles</i>			<b>PROJECT</b> S910: <i>SOF Tactical Vehicles</i>

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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>Engineering Change Proposal Developmental Test Support</b>																												
Engineering Change Proposal Developmental Test Support																												
<b>C4ISR Engineering Change Proposal Developmental Test Support</b>																												
C4ISR Engineering Change Proposal Developmental Test Support																												
<b>Medium Mobility Vehicle Engineering Change Proposal Development</b>																												
Medium Mobility Vehicle Engineering Change Proposal Development																												
<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>Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development</b>																												
Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 United States Special Operations Command			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160480BB: <i>SOF Tactical Vehicles</i>	<b>PROJECT</b> S910: <i>SOF Tactical Vehicles</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Engineering Change Proposal Developmental Test Support</i></b>				
Engineering Change Proposal Developmental Test Support	1	2012	4	2018
<b><i>C4ISR Engineering Change Proposal Developmental Test Support</i></b>				
C4ISR Engineering Change Proposal Developmental Test Support	1	2012	4	2018
<b><i>Medium Mobility Vehicle Engineering Change Proposal Development</i></b>				
Medium Mobility Vehicle Engineering Change Proposal Development	1	2012	4	2018
<b><i>Ground Mobility Vehicle (GMV) 1.1 SOF Modification Integration and Test</i></b>				
Ground Mobility Vehicle (GMV) 1.1 SOF Modification Integration and Test	2	2013	2	2014
<b><i>Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development</i></b>				
Mine Resistant Ambush Protective (MRAP) SOF Peculiar Integration Kit Development	2	2013	4	2014