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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2012 United States Special Operations Command **DATE:** February 2011

**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>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	2.145	1.994	3.522	-	3.522	3.819	2.259	2.298	2.336	Continuing	Continuing
S910: <i>SOF Tactical Vehicles</i>	2.145	1.994	3.522	-	3.522	3.819	2.259	2.298	2.336	Continuing	Continuing

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

This program element provides for the development and testing of a variety of spiral upgrades to Special Operations Vehicles and ancillary equipment. The current SOF tactical vehicles include: All Terrain Vehicles and Lightweight 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 2010</u></b>	<b><u>FY 2011</u></b>	<b><u>FY 2012 Base</u></b>	<b><u>FY 2012 OCO</u></b>	<b><u>FY 2012 Total</u></b>
Previous President's Budget	1.965	1.994	2.027	-	2.027
Current President's Budget	2.145	1.994	3.522	-	3.522
Total Adjustments	0.180	-	1.495	-	1.495
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-0.008	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	0.250	-			
• SBIR/STTR Transfer	-0.062	-			
• Other Adjustment	-	-	1.495	-	1.495

**Change Summary Explanation**

Funding:

FY 2010 Net increase \$0.180 due to Congressional general reduction (-\$0.008 million), a reprogramming to support higher command priorities (\$0.250 million), and a transfer of funding for Small Business Innovative Research (-\$0.062 million).

FY 2011 None.

FY 2012 Increase supports C4ISR Single Joint Platform development, system integration and test (\$1.495 million).

Schedule: None.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 United States Special Operations Command		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 1160480BB: SOF Tactical Vehicles	
Technical: None.		

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Exhibit R-2A, RDT&E Project Justification: PB 2012 United States Special Operations Command								DATE: February 2011				
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)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
S910: SOF Tactical Vehicles	2.145	1.994	3.522	-	3.522	3.819	2.259	2.298	2.336	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. Sub-projects include:												
• Family of Special Operaitons Vehicles. 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. 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. Also develops, integrates and tests Command, Control, Communications, Computers, and Intelligence, Surveillance and Reconnaissance (C4ISR) systems in order to reduce space and power claim on vehicles.												
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Family of Special Operations Vehicle								2.145	1.994	3.522	-	3.522
FY 2010 Accomplishments: Initiated development of ECPs that implement spiral upgrades and improve the design and manufacturing process for the medium mobility tactical vehicles currently in production.												
FY 2011 Plans: Continue development of ECPs that implement spiral upgrades and improve the design of the medium mobility vehicles.												
FY 2012 Base Plans: Continue development of ECPs that implement spiral upgrades and improve the design of the medium mobility vehicles, to include development, integration and testing of a Single Joint Platform C4ISR solution.												
Accomplishments/Planned Programs Subtotals								2.145	1.994	3.522	-	3.522

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 United States Special Operations Command			<b>DATE:</b> February 2011
<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>	

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

<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PROC: <i>TACTICAL VEHICLES</i>	374.594	67.227	35.231	15.818	51.049	35.972	32.136	42.047	43.103	Continuing	Continuing

**D. Acquisition Strategy**

- Vehicle improvements integrate emerging technology or commercial-off-the-shelf/non-developmental items. Material solutions will be procured via existing contracts or through a competitive procurement.

**E. Performance Metrics**

N/A

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2012 United States Special Operations Command											<b>DATE:</b> February 2011		
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Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Change Proposal Developmental Test Support	MIPR	Aberdeen Test Center:Aberdeen, MD	0.158	0.350	Feb 2011	0.375	Dec 2011	-		0.375	Continuing	Continuing	
C4I Engineering Change Proposal Developmental Test Support	MIPR	Space and Naval Warfare Systems Command:Charleston, SC	0.698	0.254	Feb 2011	0.850	Feb 2012	-		0.850	Continuing	Continuing	
Medium Mobility Vehicle Engineering Change Proposal Development	MIPR	Naval Air Systems Command:Patuxent River, MD	0.846	0.200	Apr 2011	0.600	Mar 2012	-		0.600	Continuing	Continuing	
Medium Mobility Vehicle Engineering Change Proposal Development	WR	GSE Engineering:Houghton, MI	0.443	1.190	Jan 2011	1.697	Jan 2012	-		1.697	Continuing	Continuing	
<b>Subtotal</b>			2.145	1.994		3.522		-		3.522			

  

	Total Prior Years Cost	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	2.145	1.994	3.522	-	3.522			

  

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2012 United States Special Operations Command										<b>DATE:</b> February 2011			
<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 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	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><i>C4ISR Engineering Change Proposal Developmental Test Support</i></b>																												
C4ISR Engineering Change Proposal Developmental Test Support																												
<b><i>Engineering Change Proposal Developmental Test Support</i></b>																												
Engineering Change Proposal Developmental Test Support																												
<b><i>Medium Mobility Vehicle Engineering Change Proposal Development</i></b>																												
Medium Mobility Vehicle Engineering Change Proposal Development																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 United States Special Operations Command			<b>DATE:</b> February 2011
<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>C4ISR Engineering Change Proposal Developmental Test Support</i></b>				
C4ISR Engineering Change Proposal Developmental Test Support	4	2010	4	2016
<b><i>Engineering Change Proposal Developmental Test Support</i></b>				
Engineering Change Proposal Developmental Test Support	3	2010	4	2016
<b><i>Medium Mobility Vehicle Engineering Change Proposal Development</i></b>				
Medium Mobility Vehicle Engineering Change Proposal Development	3	2010	4	2016

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