

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE MAY 2009
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APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 7	R-1 ITEM NOMENCLATURE / PROJECT NO. PE 1160480BB SOF Tactical Vehicles/S910
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COST (Dollars in Millions)	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Cost to Complete	Total Cost
PE1160480BB		1.600	1.973						Cont.	Cont.
S910, SOF Tactical Vehicles		1.600	1.973						Cont.	Cont.

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 family of Special Operations Forces (SOF) tactical vehicles include: individual mobility vehicles (lightweight all terrain vehicles), light mobility vehicles, medium mobility vehicles (ground mobility vehicle), non-standard commercial vehicles and heavy mobility vehicles (Mine Resistant Ambush Protected). 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:

	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>
Previous President's Budget			1.490
Current President's Budget		1.600	1.973
Total Adjustments		1.600	0.483
Congressional Program Reductions			
Congressional Increases		1.600	
Reprogrammings			
Other Program Adjustments			0.483

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<p>Funding:</p> <p>FY09: Increase of \$1.600 million is due to an FY 2009 Congressional add for Internally Transportable Vehicle (\$1.600 million).</p> <p>FY10: Net increase of \$0.483 million is due to increased vehicle modifications requiring additional test and evaluation (\$0.510 million) and a decrease for economic assumptions (-\$0.027 million).</p> <p>Schedule: None.</p> <p>Technical: None</p>		

Exhibit R-2a, RDT&E Project Justification		Date: MAY 2009
Appropriation/Budget Activity RDT&E BA # 7	SOF Tactical Vehicles/Project S910	

Cost (\$ in million)	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
SOF Tactical Vehicles		1.600	1.973					
RDT&E Articles Quantity								

A. Mission Description and Budget Item Justification: This project funds the development, testing, and evaluation of Special Operations vehicles. 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 Special Operations Forces (SOF) tactical Vehicles include: individual mobility vehicle, light mobility vehicle, medium mobility vehicles, non-standard commercial vehicles and heavy mobility vehicles. Sub-project funded in this project include:

- Light mobility vehicle/ internally transportable vehicles. This FY09 Congressional add develops and improves a lightweight, highly mobile, wheeled vehicle platform capable of transport by the family of V-22 aircraft.
- Medium mobility 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. The various modifications make it essential to keep up with the increased weight and the impact that it has on the basic vehicle.

B. Accomplishments/Planned Program

Cost (\$ in million)	FY08	FY09	FY10	FY11
Light Mobility Vehicle Individual Transportable Vehicles		1.600		
RDT&E Articles Quantity				

FY09 Initiates development of a prototype light mobility vehicle and testing for safety and certification for family of V-22 aircraft.

Cost (\$ in million)	FY08	FY09	FY10	FY11
Medium Mobility Vehicles			1.973	
RDT&E Articles Quantity				

FY10 Initiates development of Engineering Change Proposals (ECPs) that implement spiral upgrades and improve the design and manufacturing process for the various tactical vehicles currently in production.

Exhibit R-2a, RDT&E Project Justification		Date: MAY 2009
Appropriation/Budget Activity RDT&E BA # 7	SOF Tactical Vehicles/Project S910	

C. Other Program Funding Summary:

	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	<u>FY14</u>	<u>FY15</u>	To <u>Complete</u> Cont.	Total <u>Cost</u> Cont.
Tactical Vehicles Procurement	551,660	3.691	18.821							

D. Acquisition Strategy:

- Vehicle improvements integrate emerging technology or commercial-off-the-shelf/non-developmental item to correct problems with the current suspension, electrical, and armor of the existing vehicles.

Exhibit R-3 RDT&E Project Cost Analysis						DATE: MAY 2009					
APPROPRIATION / BUDGET ACTIVITY				SOF Tactical Vehicles/PE1160480BB				SOF Tactical Vehicles/S910			
RDT&E DEFENSE-WIDE / 7											
Actual or Budget Value (\$ in millions)											
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	Budget Cost FY09	Award Date FY09	Budget Cost FY10	Award Date FY10	Budget Cost FY11	Award Date FY11	To Complete	Total Program
Primary Hardware Dev ITV/LMV Prototyping	Form 9	TBD		0.540	Feb-09						
Subtotal Product Dev			0.000	0.540		0.000	0.000			0.000	0.500
Remarks:											
Engineering Support											
Engineering Change Proposal Development	MIPR	Letterkenny Army Depot, Chambersburg, PA				0.223	Dec-09			Cont.	Cont.
Engineering Change Proposal Development	MIPR	TARDEC, Warren, MI				0.250	Dec-09			Cont.	Cont.
Engineering Change Proposal Development	MIPR	Naval Air Systems Command, Patuxent, MD				0.500	Dec-09			Cont.	Cont.
Engineering Change Proposal Development	Form 9	STS Engineering, Warren MI				1.000	Dec-09			Cont.	Cont.
Subtotal Spt			0.000	0.000		1.973				Cont.	Cont.
Developmental Test & Evaluation											
ITV/LMV Family of V-22 Certification	MIPR	Naval Air System Command, Patuxent, MD		0.260	Mar-09						
ITV/LMV Testing and safety	MIPR	Aberdeen Test Center, MD		0.800	Jun-09						
Subtotal T&E			0.000	1.060		0.000					0.000
Remarks:											
Contractor Engineering Spt											
Subtotal Management											
Remarks:											
Total Cost			0.000	1.600		1.973				Cont.	Cont.

