

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

May 2009

BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER AND TITLE 0604604A - MEDIUM TACTICAL VEHICLES			
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
H07 FAMILY OF MED TAC VEH	4633	1943	5683	Continuing	Continuing

A. Mission Description and Budget Item Justification: This Program Element (PE) supports continued modernization of the Army's medium truck and trailer fleet and the Armored Security Vehicle (ASV). In the medium fleet, the Family of Medium Tactical Vehicles (FMTV) replaces aging M35 2 1/2-ton trucks, and M809 and M900 Series 5-ton trucks that are beyond their economic useful life of 15-20 years. FMTV fills 2 1/2-ton Light Medium Tactical Vehicle (LMTV) and 5-ton truck Medium Tactical Vehicle (MTV) requirements, and includes companion trailers, performing over 55% of the Army's local and line haul, and unit resupply missions, and operates throughout the theater as multi-purpose transportation vehicles in combat, combat support and combat service support units. The ASV is an all-wheel drive armored vehicle that provides ballistic protection, overhead protection and protection against landmines. It is used by the Military Police to perform missions of area security, maneuver and mobility support, police intelligence, and law and order across the entire operational continuum. It is also being used as a Convoy Protection Platform for Combat Support and Combat Service Support units. This PE funds government technical insertion initiatives that will feed into implementation of the Tactical Wheeled Vehicle (TWV) Modernization Strategy and the TWV Armoring Strategy as a bridge to future tactical vehicle efforts. This PE allows the PM to leverage technology and address capability gaps in performance and reliability as identified by the user community and reported in the field. FY09 funding will be used to continue Technology Insertion and address field issues requiring RDT&E funds to do so. FY10-15 funds will be used to increase protection and survivability of the FMTV through continued development and integration of armor enhancements and applications. ASV funds will be used to develop a Military Police Non-Lethal A-Kit to accept a Non-Lethal Mission Enhancement Package.

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<u>B. Program Change Summary</u>	FY 2008	FY 2009	FY 2010
Previous President's Budget (FY 2009)	6354	1949	1798
Current BES/President's Budget (FY 2010)	4633	1943	5683
Total Adjustments	-1721	-6	3885
Congressional Program Reductions		-6	
Congressional Rescissions			
Congressional Increases			
Reprogrammings	-1721		
SBIR/STTR Transfer			
Adjustments to Budget Years			3885

Change Summary Explanation: Funding - FY 10: Increase to support the Family of Medium Tactical Vehicles program.

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COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
H07 FAMILY OF MED TAC VEH	4633	1943	5683	Continuing	Continuing

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<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
FMTV Automotive Technological Evaluation, Testing & Insertion	4633	1889	1740
FMTV Armor Spiral Development			2965
ASV Military Police Non-Lethal Mission Enhancement Package			978
Small Business Innovative Research/Small Business Technical Transfer Program		54	
Total	4633	1943	5683

<u>B. Other Program Funding Summary</u>	FY 2008	FY 2009	FY 2010	To Compl	Total Cost
OPA1 Family of Medium Tactical Vehicles (D15500)	2147048	1017497	1620179	3375100	8159824
OPA 1 Armored Security Vehicle (ASV) (D02800)	568867	318732	149811	302483	1339893

Comment:

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C. Acquisition Strategy FMTV - Technological insertion will be accomplished by a Fixed Price or Cost Plus Fixed Fee (Level of Effort) basis.

ASV - The Mission Enhancement Package (MEP) effort will be completed by TARDEC on a level of effort basis. The procurement of the MEP will be included in the follow-on production contract.

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
5 - System Development and Demonstration			0604604A - MEDIUM TACTICAL VEHICLES							H07		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
FMTV Automotive Technological Evaluation and Insertion	Various	BAE Systems TVS, Sealy, TX/Other	4690	4441	1-4Q	1893	4Q	1740	2-4Q		12764	
FMTV Armor Spiral Development	TBD	TBD						2965	2Q		2965	
FMTV CAT Transmission	Work Directive	BAE Systems TVS, Sealy, TX		192	3-4Q						192	
ASV Mission Enhancement Package (MEP)	MIPR	TARDEC, Warren, MI						978	1Q		978	
Subtotal:			4690	4633		1893		5683			16899	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												
Remarks: Not Applicable												
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
FMTV Export Power Test	MIPR	Aviation Ground Support Equipment				50	3-4Q				50	
Subtotal:						50					50	
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract

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Subtotal:

Remarks: Not Applicable

Project Total Cost:

4690

4633

1943

5683

16949

Schedule Profile (R4 Exhibit)

May 2009

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Event Name	FY 08				FY 09				FY 10				FY 11				FY 12				FY 13				FY 14				FY 15			
	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	1	2	3	4
RESEARCH, DEVELOPMENT, TEST & EVALUATION																																
FMTV Technology Insertion	Technology Insertion																															
FMTV Armor Technology Insertion	Technology Insertion																															
ASV Mission Enhancement Package (MEP)	ASV MEP																															
PROCUREMENT																																
FMTV Current Production	Current Production																															
(1) FMTV Competitive Rebuy Award	1																															
FMTV Competitive Rebuy & Follow-on Production	Competitive Rebuy & Follow-on Production																															
ASV	Current Production																															

Schedule Detail (R4a Exhibit)

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PROJECT
H07

<u>Schedule Detail</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>
RESEARCH, DEVELOPMENT, TEST & EVALUATION								
FMTV Technology Insertion	1Q - 4Q							
FMTV Armor Technology Insertion			1Q - 4Q					
ASV Mission Enhancement Package (MEP)			1Q - 4Q					
PROCUREMENT								
FMTV Current Production	1Q - 4Q	1Q						
FMTV Competitive Rebuy Award		3Q						
FMTV Competitive Rebuy & Follow-on Production			2Q - 4Q	1Q - 4Q				
ASV	1Q - 4Q							