

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army	DATE: February 2012
---	----------------------------

APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604604A: <i>MEDIUM TACTICAL VEHICLES</i>
---	--

COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	3.578	3.957	3.006	-	3.006	2.854	2.871	3.751	3.832	Continuing	Continuing
H07: <i>FAMILY OF MED TAC VEH</i>	3.578	3.957	3.006	-	3.006	2.854	2.871	3.751	3.832	Continuing	Continuing

Note

FY13 is a Congressional budget year adjustment.

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 percent 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 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. FY13-17 funding will be used to continue Technology Insertion, Fuel Economy and address field issues requiring RDT&E funds and will be used to increase protection and survivability of the FMTV through continued development and integration of armor enhancements and applications.

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	3.710	3.961	3.974	-	3.974
Current President's Budget	3.578	3.957	3.006	-	3.006
Total Adjustments	-0.132	-0.004	-0.968	-	-0.968
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-0.132	-0.004	-0.968	-	-0.968

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604604A: MEDIUM TACTICAL VEHICLES				PROJECT H07: FAMILY OF MED TAC VEH			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
H07: FAMILY OF MED TAC VEH	3.578	3.957	3.006	-	3.006	2.854	2.871	3.751	3.832	Continuing	Continuing
Quantity of RDT&E Articles											
Note Not Applicable.											
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 percent 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 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. FY13-17 funding will be used to continue Technology Insertion, Fuel Economy and address field issues requiring RDT&E funds and will be used to increase protection and survivability of the FMTV through continued development and integration of armor enhancements and applications.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: Automotive Technological Evaluation, Testing & Insertion							2.712	1.056	1.044	-	1.044
Articles:							0	0			
Description: Funding is provided for the following effort											
FY 2011 Accomplishments: Continued with FMTV Automotive Technological Evaluation, Testing & Insertion											
FY 2012 Plans: Will continue to fund FMTV Automotive Technological Evaluation, Testing & Insertion											
FY 2013 Base Plans:											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army				DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604604A: MEDIUM TACTICAL VEHICLES		PROJECT H07: FAMILY OF MED TAC VEH		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Continuation with FMTV Automotive Technological Evaluation, Testing & Insertion						
Title: Armor Spiral Development Articles: Description: Funding is provided for the following effort FY 2012 Plans: Continued Armor Spiral Development FY 2013 Base Plans: Improvements to occupant survivability.		-	0.956 0	0.960	-	0.960
Title: Fuel Economy Articles: Description: Funding is provided for the following effort FY 2012 Plans: Will provide funding for FMTV Fuel Economy research FY 2013 Base Plans: Continued Fuel Economy Improvements.		-	0.956 0	1.002	-	1.002
Title: Government System Test and Evaluation Articles: Description: Funding is provided for the following effort FY 2012 Plans: Will fund Government System Test and Evaluation		-	0.989 0	-	-	-
Title: ASV Military Police Non-Lethal Mission Enhancement Package Articles: Description: Funding is provided for the following effort FY 2011 Accomplishments:		0.866 0	-	-	-	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army				DATE: February 2012							
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604604A: <i>MEDIUM TACTICAL VEHICLES</i>		PROJECT H07: <i>FAMILY OF MED TAC VEH</i>							
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total			
Will continue to fund ASV Military Police Non-Lethal Mission Enhancement Package											
Accomplishments/Planned Programs Subtotals				3.578	3.957	3.006	-	3.006			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• OPA 1 (D15500): <i>Family of Medium Tactical Vehicles</i>	1,088.525	434.030	346.115	42.370	388.485		2.193	5.421	7.262	Continuing	Continuing
• OPA 1 (D02800): <i>Armored Security Vehicle</i>	86.615									0.000	86.615
D. Acquisition Strategy											
FMTV - Technological insertion, Armor Spiral Development and Fuel Economy efforts will be accomplished by a Cost Plus Fixed Fee (Level of Effort) basis.											
E. Performance Metrics											
Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army											DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604604A: MEDIUM TACTICAL VEHICLES				PROJECT H07: FAMILY OF MED TAC VEH					

Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
FMTV Automotive Technological Evaluation and Insertion	C/CPFF	Oshkosh Truck Corporation:Oshkosh, WI	8.518	1.056		1.044		-		1.044	Continuing	Continuing	Continuing
FMTV Armor Spiral Development	C/CPFF	Oshkosh Truck Corporation:Oshkosh, WI	2.965	0.956		0.960		-		0.960	Continuing	Continuing	Continuing
FMTV Fuel Economy	C/CPFF	Oshkosh Truck Corporation:Oshkosh, WI	-	0.956		1.002		-		1.002	Continuing	Continuing	Continuing
ASV Mission Enhancement Package (MEP)	TBD	TBD:TBD	1.844	-		-		-		-	0.000	1.844	0.000
Subtotal			13.327	2.968		3.006		-		3.006			

Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
FMTV Automotive Technological Evaluation and Insertion	Various	Various:Various	-	0.351		-		-		-	Continuing	Continuing	Continuing
FMTV Armor Spiral Development Testing	MIPR	TARDEC:Warren, MI	-	0.319		-		-		-	Continuing	Continuing	Continuing
FMTV Fuel Economy Testing	MIPR	TARDEC:Warren, MI	-	0.319		-		-		-	Continuing	Continuing	Continuing
Subtotal			-	0.989		-		-		-			

			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			13.327	3.957		3.006		-		3.006			

Remarks