

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603653A: ADVANCED TANK ARMAMENT SYSTEM (ATAS)							
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
Total Program Element	96.269	136.302	101.408	-	101.408	219.548	253.862	207.711	117.658	205.380	1,338.138
C03: INTERIM ARMORED VEHICLE (IAV) FAMILY	27.895	2.502	22.500	-	22.500	14.400	5.200	-	-	0.000	72.497
C51: STRYKER A1	58.859	133.800	78.908	-	78.908	205.148	248.662	207.711	117.658	205.380	1,256.126
VT2: STRYKER DOUBLE V	9.515	-	-	-	-	-	-	-	-	0.000	9.515

A. Mission Description and Budget Item Justification

This Program Element (PE) supports the development of the Stryker Family of vehicles in three separate projects:

The original Project Code (C03) supports the use of the common platform/common chassis design reducing requirements for repair parts and logistics support in the area of operations. Funding in this project will continue to address Overseas Contingency Operations (OCO), survivability, Operational Needs Statements (ONS) issues, and integrating Targeting Under Armor (TUA) for the Stryker FSV.

The Stryker Modernization Project (C51) addresses current and evolving survivability concerns and results in retaining interoperability with other formations and the ability to integrate spin-outs and technologies. The first increment of the Stryker Modernization program will regain the operational envelope lost by the addition of survivability kits by eliminating size, power, and weight challenges caused by the kits. This increment consist of improved engine/transmission suspension, Height Management System (HMS), Central Tire Inflation System (CTIS), brakes, driveline, Hull structure, seats and environmental. Follow on increments will provide increased capability and address emerging requirements as well as provide for the mitigation of MGS long-term deficiencies. These follow on efforts consist of 360 degree situational awareness, shot detection, improved Remote Weapon Station (RWS), embedded training, and data/video network.

Stryker Double V Hull (DVH) Project (VT2) was established in FY 10. The Double V Hull design is in response to a G-3 directed requirement for survivability enhancements on Stryker vehicles used in Operation Enduring Freedom to provide a total integrated solution of increased protection and survivability against Improvised Explosive Devices (IED). DVH will be fielded as Theater Provided Equipment (TPE) and support deployment of SBCTs to Afghanistan. FY 10 requirements were funded with \$2.485 FY 09 RDT&E and \$9.515 FY 10 RDT&E Below Threshold Reprogramming (BTR) actions from PM HBCT-Bradley and executed in Project VT2. A \$102.000 Above Threshold Reprogramming (ATR) action utilizing FY09 SBCT WTCV funding was approved and executed in Project VT2 FY 09 RDT&E.

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army				DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE				
2040: Research, Development, Test & Evaluation, Army		PE 0603653A: ADVANCED TANK ARMAMENT SYSTEM (ATAS)				
BA 4: Advanced Component Development & Prototypes (ACD&P)						
B. Program Change Summary (\$ in Millions)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget		89.828	136.302	230.561	-	230.561
Current President's Budget		96.269	136.302	101.408	-	101.408
Total Adjustments		6.441	-	-129.153	-	-129.153
• Congressional General Reductions			-			
• Congressional Directed Reductions			-			
• Congressional Rescissions		-	-			
• Congressional Adds			-			
• Congressional Directed Transfers			-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		3.075	-			
• Other Adjustments 1		3.366	-	-129.153	-	-129.153

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				R-1 ITEM NOMENCLATURE PE 0603653A: <i>ADVANCED TANK ARMAMENT SYSTEM (ATAS)</i>				PROJECT C03: <i>INTERIM ARMORED VEHICLE (IAV) FAMILY</i>			
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
C03: <i>INTERIM ARMORED VEHICLE (IAV) FAMILY</i>	27.895	2.502	22.500	-	22.500	14.400	5.200	-	-	0.000	72.497
Quantity of RDT&E Articles											
Note Not applicable for this item.											
A. Mission Description and Budget Item Justification The Interim Armored Vehicle (IAV) Family Project (C03) supports the development of the Family of Stryker vehicles. A critical need exists to improve the deployability and operational effectiveness of rapid response/early entry forces. The Stryker equipped Brigade Combat Team (BCT) is capable of deployment to anywhere on the globe in a combat ready configuration. Immediate response by a lethal, versatile, tactically agile joint force capable of operational maneuver once in the Area of Operations has been essential in fulfilling the warfighting needs of the U. S. Army. The Stryker family includes: Infantry Carrier Vehicle (ICV), Reconnaissance Vehicle (RV), Mobile Gun System (MGS), Mortar Carrier (MC), Commander's Vehicle (CV), Fire Support Vehicle (FSV), Engineer Squad Vehicle (ESV), Medical Evacuation Vehicle (MEV), Anti-Tank Guided Missile Vehicle (ATGM), and Nuclear/Biological/Chemical Reconnaissance Vehicle (NBCRV). The use of the common platform/common chassis design reduces requirements for repair parts and logistics support in the area of operations. Funding in this project will continue to address Overseas Contingency Operations (OCO), survivability, Operational Needs Statements (ONS) issues, and integration of Targeting Under Armor (TUA) on the Stryker FSV.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Operational Test and Evaluation NBCRV Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: NBCRV Control Damage Experiment started 1QFY10 and will be followed by the Operational Test and Evaluation (OT&E) in preparation for the upcoming NBCRV Milestone C Full-Rate Production Decision in 4QFY11.								5.372 0	-	-	
Title: Development and Engineering Current Configuration Vehicles Articles: Description: Funding is provided for the following effort FY 2011 Plans:								-	2.104 0	22.093	

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603653A: ADVANCED TANK ARMAMENT SYSTEM (ATAS)	PROJECT C03: INTERIM ARMORED VEHICLE (IAV) FAMILY		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
Continuing development and engineering for OCO, survivability and ONS issues for the Stryker Vehicles. FY 2012 Plans: Undergo development and engineering for Overseas Contingency Operations (OCO), survivability and Operational Need Statements (ONS) issues and integration of TUA for the Stryker FSV				
Title: Development and Engineering SRAT II Description: Funding is provided for the following effort FY 2010 Accomplishments: Undergo development and engineering of Stryker Reactive Armor Tiles II(SRAT II)		Articles: 16.026 0	-	-
Title: Government Test SRAT II Description: Funding is provided for the following effort FY 2010 Accomplishments: SRAT II Government testing begins in FY09, completes in FY11.		Articles: 5.339 0	-	-
Title: Government Engineering and Program Management Description: Funding is provided for the following effort FY 2010 Accomplishments: Completed Government Systems Engineering and Program Management FY 2011 Plans: Continuing Government Systems Engineering and Program Management FY 2012 Plans: Funding for future Government Systems Engineering and Program Management		Articles: 0.458 0	0.398 0	0.407
Title: Contractor Support to Test Description: Funding is provided for:		Articles: 0.700 0	-	-

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army							DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>			R-1 ITEM NOMENCLATURE PE 0603653A: <i>ADVANCED TANK ARMAMENT</i> SYSTEM (ATAS)			PROJECT C03: <i>INTERIM ARMORED VEHICLE (IAV)</i> FAMILY					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2010	FY 2011	FY 2012		
FY 2010 Accomplishments: Contractor Support to Test for NBCVR											
Accomplishments/Planned Programs Subtotals							27.895	2.502	22.500		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• GM0100: <i>Stryker MOD</i>		591.352	52.797		52.797		75.709	81.188	160.330	0.000	1,071.105
• G85100: <i>Stryker</i>	512.774	299.545	632.994		632.994				327.509	0.000	2,141.331
D. Acquisition Strategy											
Funding continues engineering and development efforts related to Overseas Contingency Operations (OCO), survivability, and Operational Needs Statements (ONS) issues, and integration of targeting under armor. As the Stryker family of vehicles continues to be deployed, we will explore, enhance and increase the survivability of the Stryker. Examples of improvement are the vehicle's Hull Protection, Tire Fire Suppression Kits, Improved Common Ballistic Shields, Belly Armor, and Stryker Reactive Armor Tiles II (SRAT II) initiatives.											
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 2012 Army										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603653A: ADVANCED TANK ARMAMENT SYSTEM (ATAS)				PROJECT C03: INTERIM ARMORED VEHICLE (IAV) FAMILY					
Management Services (\$ 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
Project Management Office (PMO)	Various	TACOM,:MI	14.724	0.398		0.407		-		0.407	Continuing	Continuing	Continuing
Subtotal			14.724	0.398		0.407		-		0.407			
Product Development (\$ 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
Stryker Development/ Engineering	Various	GDLS:MI	390.445	2.104		2.154		-		2.154	Continuing	Continuing	Continuing
Active Protection System (APS)Radar	Various	GSLS:MI	1.600	-		-		-		-	Continuing	Continuing	Continuing
Targeting Under Armor	Various	GDLS:MI	-	-		19.939		-		19.939	8.852	28.791	0.000
Subtotal			392.045	2.104		22.093		-		22.093			
Test and Evaluation (\$ 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
NBCRV Operational Test & Evaluation	Various	DPG, OTC, APG, Army Test & Evaluation Center:UT, TX, MD, VA	106.379	-		-		-		-	Continuing	Continuing	Continuing
OCO and SRAT II Testing	Various	ARL, Army Test & Evaluation Command:MD, MD	2.182	-		-		-		-	Continuing	Continuing	Continuing
Contractor Support to Test	Various	GDLS:MI	22.444	-		-		-		-	Continuing	Continuing	Continuing
Targeting Under Armor Testing	Various	Various Test Centers:Multiple	-	-		-		-		-	8.090	8.090	0.000
Subtotal			131.005	-		-		-		-			

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army									DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603653A: ADVANCED TANK ARMAMENT SYSTEM (ATAS)				PROJECT C03: INTERIM ARMORED VEHICLE (IAV) FAMILY					
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			537.774	2.502		22.500		-		22.500			

Remarks

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army			DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>		R-1 ITEM NOMENCLATURE PE 0603653A: <i>ADVANCED TANK ARMAMENT SYSTEM (ATAS)</i>		PROJECT C03: <i>INTERIM ARMORED VEHICLE (IAV) FAMILY</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
NBCRV IOT&E																												
NBCRV Full-Rate Production Decision (FRPD)																												
MGS Extended LRIP																												
MGS ECO Testing																												
Target Under Armor (TUA) Development Effort																												
Target Under Armor (TUA) Test																												

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603653A: <i>ADVANCED TANK ARMAMENT</i> <i>SYSTEM (ATAS)</i>	PROJECT C03: <i>INTERIM ARMORED VEHICLE (IAV)</i> <i>FAMILY</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
NBCRV IOT&E	3	2010	4	2010
NBCRV Full-Rate Production Decision (FRPD)	3	2011	3	2011
MGS Extended LRIP	1	2010	1	2011
MGS ECO Testing	2	2010	2	2011
Target Under Armor (TUA) Development Effort	1	2012	1	2014
Target Under Armor (TUA) Test	4	2013	3	2014

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603653A: ADVANCED TANK ARMAMENT SYSTEM (ATAS)				PROJECT C51: STRYKER A1			
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
C51: STRYKER A1	58.859	133.800	78.908	-	78.908	205.148	248.662	207.711	117.658	205.380	1,256.126
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The Stryker Modernization Project (C51) addresses current and evolving survivability concerns and results in retaining interoperability with other formations and the ability to integrate spin-outs and technologies. The Stryker Modernization program will regain the operational envelope lost by the addition of survivability kits by eliminating size, power, and weight challenges caused by the kits. The modernization program consist of improved engine/transmission suspension, Height Management System (HMS), Central Tire Inflation System (CTIS), brakes, driveline, Hull structure, seat,environmental,mitigation of MGS long-term deficiencies,360 degree situational awareness, shot detection, improved Remote Weapon Station (RWS), embedded training, and data/video network.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2010	FY 2011	FY 2012
Title: Contractor Support Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: Support the Stryker Modernization Program. Target date for MS B is 4QFY13. Developed system performance specifications, conducted trade studies, developed concept designs, undergo modeling and simulation activities and conduct technical demonstrations. FY 2011 Plans: Continue Support for the Stryker Modernization Program. Target date for MS B is 4QFY13. Will develop system performance specifications, conduct trade studies, develop concept designs, undergo modeling and simulation activities and conduct technical demonstrations. FY 2012 Plans: Continue Support for the Stryker Modernization Program. Target date for MS B is 4QFY13. Will develop system performance specifications, conduct trade studies, develop concept designs, undergo modeling and simulation activities and conduct technical demonstrations.									57.032	126.448	71.382
									0	0	
Title: Government Test Support Articles: Description: Funding is provided for the following effort									0.014	-	-
									0		

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011	
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603653A: <i>ADVANCED TANK ARMAMENT</i> SYSTEM (ATAS)	PROJECT C51: <i>STRYKER A1</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
FY 2010 Accomplishments: Government Testing of Stryker Modernization			
Title: Government Engineering and Program Management		1.813	7.352
		0	0
Description: Funding is provided for the following effort			
FY 2010 Accomplishments: Current Government Systems Engineering and Program Management			
FY 2011 Plans: Continuing Government Systems Engineering and Program Management			
FY 2012 Plans: Future Government Systems Engineering and Program Management			
Accomplishments/Planned Programs Subtotals		58.859	133.800
C. Other Program Funding Summary (\$ in Millions)			
N/A			
D. Acquisition Strategy			
Funding supports continuing Stryker Modernization of the Mobile Gun System (MGS) long-term deficiencies as outlined in 5 Aug 08 ADM.			
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 2012 Army											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0603653A: ADVANCED TANK ARMAMENT SYSTEM (ATAS)					PROJECT C51: STRYKER A1				
Management Services (\$ 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	
Project Management Office (PMO)	Various	TACOM:MI	1.569	7.352		7.526		-		7.526	Continuing	Continuing	Continuing	
Subtotal			1.569	7.352		7.526		-		7.526				
Product Development (\$ 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	
Stryker Development/ Engineering Stryker Modernization and Mobile Gun System (MGS) Deficiencies	Various	GDLS:MI	156.701	126.448		71.382		-		71.382	Continuing	Continuing	Continuing	
Subtotal			156.701	126.448		71.382		-		71.382				
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	
Other Government Agencies	Various	Various:Various	0.714	-		-		-		-	Continuing	Continuing	Continuing	
Subtotal			0.714	-		-		-		-				
Test and Evaluation (\$ 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	
Stryker Modernization Testing	Various	Various:Various	0.373	-		-		-		-	Continuing	Continuing	Continuing	
Subtotal			0.373	-		-		-		-				

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army							DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>			R-1 ITEM NOMENCLATURE PE 0603653A: <i>ADVANCED TANK ARMAMENT SYSTEM (ATAS)</i>				PROJECT C51: <i>STRYKER A1</i>		
	Total Prior Years Cost	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	159.357	133.800	78.908	-	78.908				
Remarks									

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY

2040: Research, Development, Test & Evaluation, Army
BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603653A: *ADVANCED TANK ARMAMENT
SYSTEM (ATAS)*

PROJECT

C51: *STRYKER A1*

[illegible]

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603653A: <i>ADVANCED TANK ARMAMENT SYSTEM (ATAS)</i>	PROJECT C51: <i>STRYKER A1</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Stryker Modernization Program Preliminary Design Review (PDR)	2	2012	2	2013
Stryker Modernization Program Milestone B	3	2012	3	2013
Stryker Modernization Program Critical Design Review (CDR)	3	2013	3	2014
Prototype Deliveries	2	2014	2	2015

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603653A: ADVANCED TANK ARMAMENT SYSTEM (ATAS)				PROJECT VT2: STRYKER DOUBLE V			
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
VT2: STRYKER DOUBLE V	9.515	-	-	-	-	-	-	-	-	0.000	9.515
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
Stryker Double V Hull (DVH) Project (VT2) was established in FY 10. The Double V Hull design is in response to a G-3 directed requirement for survivability enhancements on Stryker vehicles used in Operation Enduring Freedom to provide a total integrated solution of increased protection and survivability against Improvised Explosive Devices (IED). DVH will be fielded as Theater Provided Equipment (TPE) and support deployments of SBCT's to Afghanistan.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2010	FY 2011	FY 2012
Title: Contractor Test Support Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: Reliability and Maintainability Scoring Conference support for the Double V Hull									0.095	-	-
									0		
Title: Government Test Support Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: Double V Hull Government test support for Phase 0 and Phase 1 efforts									9.379	-	-
									0		
Title: Government Engineering and Program Management Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: Government Systems Engineering and Program Management									0.041	-	-
									0		
Accomplishments/Planned Programs Subtotals									9.515	-	-

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603653A: <i>ADVANCED TANK ARMAMENT</i> <i>SYSTEM (ATAS)</i>	PROJECT VT2: <i>STRYKER DOUBLE V</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
D. Acquisition Strategy Funding continues government engineering and testing efforts related to the Double V Hull design, which supports survivability enhancements for the Stryker vehicles against Improvised Explosive Devices (IED).		
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.		