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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0603653A / ADVANCED TANK ARMAMENT SYSTEM (ATAS)							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	11.116	49.963	-	-	-	-	-	-	-	-	61.079
C03: Interim Armored Vehicle (IAV) Family	-	5.116	-	-	-	-	-	-	-	-	-	5.116
C51: STRYKER MODERNIZATION	-	6.000	49.963	-	-	-	-	-	-	-	-	55.963

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

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

The Interim Amored Vehicle Family Project (C03) supports the use of the common platform/common chassis design reducing requirements for repair parts and logistics support in the area of operations.

Engineering Change Proposal (ECP) (C51), will enable the Stryker FOV to host the future network without further degrading vehicle performance. The upgrade will increase available electrical power while ensuring adequate mechanical power, weight margin, and cooling. Combined with an in-vehicle network, this will ensure the FOV can host the future network while retaining its protection and mobility.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015 Base</u>	<u>FY 2015 OCO</u>	<u>FY 2015 Total</u>
Previous President's Budget	14.347	49.989	58.600	-	58.600
Current President's Budget	11.116	49.963	-	-	-
Total Adjustments	-3.231	-0.026	-58.600	-	-58.600
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.433	-			
• Other Adjustments 1	-2.798	-0.026	-58.600	-	-58.600

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Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603653A / ADVANCED TANK ARMAMENT SYSTEM (ATAS)				Project (Number/Name) C03 / Interim Armored Vehicle (IAV) Family			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
C03: Interim Armored Vehicle (IAV) Family	-	5.116	-	-	-	-	-	-	-	-	-	5.116
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note Beginning in FY15, PE Number 0203735A/Project EE2 funds the Stryker ECP program, which was originally funded by PE Number 0603653A/Project C03 (FY13) and Project C51 (through FY14).												
A. Mission Description and Budget Item Justification The Interim Armored Vehicle (IAV) Family Project (C03) supports the development of the Stryker Family of Vehicles (FOV) consisting of 10 variants in the flat bottom configuration. The mission of the Stryker vehicle is to disrupt or destroy enemy military forces, control land areas including populations and resources and be prepared to conduct combat operations to protect US national interests(SRC 47100F400). The Stryker Brigade Combat Team (SBCT) while optimized for Small Scale Contingencies is capable of executing Unified Land operations across the Full Threat Spectrum with organic combined arms to company level and supporting Global Reaction Force contingencies in Force & Early Entry Operation.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Development Engineering Articles: Description: Funding is provided for the following effort FY 2013 Accomplishments: Continuing development engineering for the Stryker ECP Phase II.									5.116	-	-	
									-	-	-	
Accomplishments/Planned Programs Subtotals									5.116	-	-	
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• G85100: Stryker Vehicle (G85100)	242.439	419.100	385.110	-	385.110	455.484	396.631	99.038	-	484.028	2,481.830	
• GM0100: Stryker MOD (GM0100)	60.801	20.522	39.683	-	39.683	66.159	170.823	503.552	603.906	1,709.838	3,175.284	
• GE0180: Spares and Repair Parts (WTCV) (GE0180)	22.176	-	-	-	-	-	-	-	-	-	22.176	

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Appropriation/Budget Activity 2040 / 4				R-1 Program Element (Number/Name) PE 0603653A / ADVANCED TANK ARMAMENT SYSTEM (ATAS)				Project (Number/Name) C03 / Interim Armored Vehicle (IAV) Family			
C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2015</u>	<u>FY 2015</u>	<u>FY 2015</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Complete</u>	<u>Total Cost</u>
<u>Remarks</u>											
AAE approval for a 3rd DVH SBCT Brigade of 337 Exchange Vehicles was given on July 26, 2013. Stryker Mod (GM0100) is for modifications for ECP retrofits to the Stryker fleet. Starting in FY 17 the modification line will fund both fleet modifications and ECP Retrofits.											
<u>D. Acquisition Strategy</u>											
The development of the Stryker Modernization capability will be acquired through a phased approach. Phase 1 requires the Original Equipment Manufacturer (OEM) to conduct a source selection to obtain a vendor that represents the best values for the capabilities described within the work directive based on user requirements. Phase 2 will encompass engineering design, prototype delivery and test support for the modernization effort. Beginning in FY15, PE Number 0203735A/Project EE2 funds the Stryker ECP program, which was originally funded by PE Number 0603653A/Project C03 (FY13) and Project C51 (through FY14).											
<u>E. Performance Metrics</u>											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603653A / ADVANCED TANK ARMAMENT SYSTEM (ATAS)						Project (Number/Name) C03 / Interim Armored Vehicle (IAV) Family			
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management Office (PMO) - Base (C03)	Various	TACOM, : MI	56.100	-		-		-		-		-	-	56.100	-
Subtotal			56.100	-		-		-		-		-	-	56.100	-
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	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	438.166	5.116	Nov 2013	-		-		-		-	-	443.282	-
TUA Development/ Engineering	Various	GDLS : MI	1.629	-		-		-		-		-	-	1.629	-
Subtotal			439.795	5.116		-		-		-		-	-	444.911	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Stryker Development Testing	Various	Various Test Centers : Multiple	201.899	-		-		-		-		-	-	201.899	-
NBCRV Operational Test and Evaluation	Various	Various Test Centers : Various	5.738	-		-		-		-		-	-	5.738	-
Contractor Support to Test	Various	GDLS : MI	29.828	-		-		-		-		-	-	29.828	-
SRAT Testing	Various	Various Test Centers : Various	8.302	-		-		-		-		-	-	8.302	-
Subtotal			245.767	-		-		-		-		-	-	245.767	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			741.662	5.116		-		-		-		-	-	746.778	-

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	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0603653A / ADVANCED TANK ARMAMENT SYSTEM (ATAS)				Project (Number/Name) C51 / STRYKER MODERNIZATION			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
C51: STRYKER MODERNIZATION	-	6.000	49.963	-	-	-	-	-	-	-	-	55.963
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note Beginning in FY15, PE Number 0203735A/Project EE2 funds the Stryker ECP program, which was originally funded by PE Number 0603653A/Project C03 (FY13) and Project C51 (through FY14).												
A. Mission Description and Budget Item Justification Stryker Modernization (C51) will enable the Stryker FOV to host the future network without further degrading vehicle performance. The upgrade will increase available electrical power while ensuring adequate mechanical power, weight margin, and cooling. Combined with an in-vehicle network, this will ensure the FOV can host the future network while retaining its protection and mobility. Beginning in FY15 funding for this effort was moved to Program Element 0273735/Project EE2.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Stryker ECP Development (Engineering / Prototypes) Articles: Description: Funding is provided for the following efforts FY 2013 Accomplishments: Continue development engineering for the Stryker ECP upgrades. FY 2014 Plans: Continue development engineering for the Stryker ECP upgrades. Begin prototype procurement for the engine, suspension, alternator and in-vehicle network of the DVH variants.									5.100	46.020	-	
									-	-	-	
Title: Stryker ECP Testing Articles: Description: Funding is provided for the following effort FY 2014 Plans:									-	0.833	-	
									-	-	-	

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015
Begin the development test planning and execution for the ECP upgrade technologies, including tests for safety and human factors, automotive, communications, command and control (C3) live fire and operational testing.											
Title: Contractor Support to Test Articles: Description: Funding is provided for the following effort FY 2014 Plans: Begin the contractor support of the test planning and execution. Support the Stryker platforms to include test preparation, vehicle maintenance/repair and overall test support for development tests, live fire testing and operational testing.									-	0.319	-
									-	-	-
Title: Government Engineering and Program Management Articles: Description: Funding is provided for the following effort FY 2013 Accomplishments: Continue Government Systems Engineering and Program Management which includes labor, travel, training, supplies and equipment. FY 2014 Plans: Continue Government Systems Engineering and Program Management which includes labor, travel, training, supplies and equipment.									0.900	2.791	-
									-	-	-
Accomplishments/Planned Programs Subtotals									6.000	49.963	-
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• G85100: Stryker Vehicle (G85100)	242.439	419.100	385.110	-	385.110	455.484	396.631	99.038	-	484.028	2,481.830
• GM0100: Stryker MOD (GM0100)	60.801	20.522	39.683	-	39.683	66.159	170.823	503.552	603.906	1,709.838	3,175.284
• GE0180: Spares (Initial) Stryker	22.176	-	-	-	-	-	-	-	-	-	22.176
Remarks AAE approval for a 3rd DVH SBCT Brigade of 337 Exchange Vehicles was given on July 26, 2013. Stryker MOD (GM0100) is for modifications for ECP retrofits to the Stryker fleet. Starting in FY17 the modification line will fund both fleet modifications and ECP retrofits.											

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<u>D. Acquisition Strategy</u> The Stryker ECP effort will buy back the vehicle space, weight, and power margin lost due to the addition of numerous kits in response to eleven years of war (20-combat rotations & 30+ million total miles), in order to allow integration of the future network (as directed by VCSA in August 2011) without further degrading the performance of the platform. In May 2012, Phase I (Design) of the Stryker ECP program was approved, permitting preliminary design and integration efforts on both the Flat Bottom (FB) and Double-V Hull (DVH) variants (completed). In March 2013, Phase II approved upgrading the mechanical power, electrical power generation, chassis upgrades and the in-vehicle network for the DVH vehicles. ECP Phase II contract awarded in November 2013, which continues development engineering, prototype build test and evaluation. The Phase III (Production) decision point will determine the production requirements of the technologies selected in Phase II. Beginning in FY15, PE Number 0203735A/Project EE2 funds the Stryker ECP program, which was originally funded by PE Number 0603653A/Project C03 (FY13) and Project C51 (through FY14). <u>E. Performance Metrics</u> N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 4						R-1 Program Element (Number/Name) PE 0603653A / ADVANCED TANK ARMAMENT SYSTEM (ATAS)						Project (Number/Name) C51 / STRYKER MODERNIZATION			
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	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	4.610	0.900	Oct 2013	2.791	Mar 2014	-		-		-	-	8.301	-
Subtotal			4.610	0.900		2.791		-		-		-	-	8.301	-
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Stryker ECP Development	SS/CPIF	GDLS : MI	256.870	5.100	Nov 2013	46.020	Apr 2014	-		-		-	-	307.990	-
Subtotal			256.870	5.100		46.020		-		-		-	-	307.990	-
Remarks Funding for the Engineering Change Proposal (ECP) beginning in FY15 was moved to Program Element 0203735A/Project EE2															
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Stryker ECP Testing	Various	Various Test Centers : Various	0.905	-		0.833	Apr 2014	-		-		-	-	1.738	-
Contractor Support to Test	SS/CPFF	GDLS, MI : Various	0.000	-		0.319	Apr 2014	-		-		-	-	0.319	-
Subtotal			0.905	-		1.152		-		-		-	-	2.057	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			262.385	6.000		49.963		-		-		-	-	318.348	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army			Date: March 2014		
Appropriation/Budget Activity 2040 / 4		R-1 Program Element (Number/Name) PE 0603653A / <i>ADVANCED TANK ARMAMENT SYSTEM (ATAS)</i>			Project (Number/Name) <i>C51 / STRYKER MODERNIZATION</i>

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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
Army System Acquisition Review Counsel (ASARC) Phase II																												
Stryker Engineering Change Proposal (ECP) Phase II																												
ECP Preliminary Design Review																												
ECP Phase II Contract Award																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 4	R-1 Program Element (Number/Name) PE 0603653A / <i>ADVANCED TANK ARMAMENT SYSTEM (ATAS)</i>	Project (Number/Name) <i>C51 / STRYKER MODERNIZATION</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Army System Acquisition Review Counsel (ASARC) Phase II	2	2013	2	2013
Stryker Engineering Change Proposal (ECP) Phase II	2	2013	4	2014
ECP Preliminary Design Review	4	2013	4	2013
ECP Phase II Contract Award	1	2014	1	2014