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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 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604854A / Artillery Systems - EMD							
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	-	149.667	121.270	1.912	-	1.912	1.938	1.959	1.978	10.587	Continuing	Continuing
509: LIGHTWEIGHT 155M HOWITZER	-	-	-	1.912	-	1.912	1.938	1.959	1.978	10.587	Continuing	Continuing
516: Paladin/FAASV	-	149.667	121.270	-	-	-	-	-	-	-	-	270.937

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

Note

Beginning FY15, 0604854A, project 516 has been moved to new APE 0210609A, project ED8.

A. Mission Description and Budget Item Justification

Paladin Integrated Management (PIM) is an ACAT 1D Acquisition Program. The program will replace the current fleet of M109 Family of Vehicles (FoV) consisting of the M109A6 Paladin Self Propelled Howitzer and M992A2 Field Artillery Ammunition Supply Vehicle (FAASV). PIM is an Army Modernization Program that addresses a critical capability gap created by the Non-Line of Sight Cannon termination in June of 2009 as well as obsolescence and size/weight and power (SWaP) issues in the M109 FoV current Fleet. The PIM system integrates current Bradley Fighting Vehicle suspension and drive train items, Future Combat Systems (FCS) developed Electric Gun Drive systems and current fleet (M109A6) fire control systems into a new chassis that provides better force protection, survivability and increased electrical power over the current fleet. PIM is a two vehicle system: Self Propelled Howitzer (SPH) and Carrier Ammunition Tracked (CAT). The SPH has all characteristics listed above. The CAT utilizes all these same components and traits less those that relate directly to the cannon system. The PIM system replaces the current M109 FoV on a one for one basis, in the cannon fires battalions in the Armored Brigade Combat Team Formations and the Echelons above Brigade (EAB). The overall intent is to increase Soldier force protection, vehicle survivability, provide an appropriate amount of SWaP capacity to add future capabilities, reduce life cycle costs and extend the life of the M109 FoV through FY2050.

The Lightweight 155mm Howitzer (LW155), also known as the M777A2, provides direct, reinforcing, general support fires to maneuver forces and direct support artillery. It replaces all howitzers in all missions in the USMC and replaces the M198 howitzer as the general support artillery for light forces in the Army. The LW155 fires unassisted projectiles to a range of 15 miles and assisted projectiles to 19 miles. The addition of the digital fire control system enables the weapon to program and fire the improved Excalibur precision-guided munitions to ranges in excess of 25 miles with better than 10-meter Circular Error Probable (CEP) accuracy. The LW155 is the first ground combat system whose major structures are made of high strength titanium alloy and the system makes extensive use of hydraulics to operate the breech, load tray, recoil and wheel arms. The combination of titanium structures and the use of hydraulic systems resulted in a significant weight savings of 7000 lbs over the M198 system. Compared to the M198, the LW155 emplaces three-times faster and displaces four-times faster. It traverses 32 percent more terrain worldwide and is 70 percent more survivable than the M198. It is a successful joint service program between the Marine Corps and Army working together to develop, produce, field, and sustain the howitzer.

The LW155 was first introduced into the Marine Corps in April 2005 and the Marines have now fielded the howitzer to all active units. The Army has fielded the howitzer to its Stryker Brigade Combat teams (SBCT), Fires Brigades and National Guard. Fielding of the Infantry Brigade Combat Teams

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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604854A / <i>Artillery Systems - EMD</i>
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(IBCT) will commence in FY14 and continue through 2018. The LW155 saw extensive action in Afghanistan, receiving high marks for its performance. Having now been in the field for almost 10 years, the howitzer will be going through obsolescent replacement of electronic components in its digital fire control system. New start in FY-15.

Funding supports engineering studies for capabilities identified in the Joint Operation Requirements Document (JORD) but deferred during Engineering Manufacturing and Development due to technology maturity, cost and schedule. This includes a digital direct fire site for the Digital Fire Control System and low temperature, high density power solutions to achieve full operational requirements.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	167.797	80.613	92.844	-	92.844
Current President's Budget	149.667	121.270	1.912	-	1.912
Total Adjustments	-18.130	40.657	-90.932	-	-90.932
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-18.130	40.657	-90.932	-	-90.932

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604854A / Artillery Systems - EMD				Project (Number/Name) 509 / LIGHTWEIGHT 155M HOWITZER			
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
509: LIGHTWEIGHT 155M HOWITZER	-	-	-	1.912	-	1.912	1.938	1.959	1.978	10.587	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
The Lightweight 155mm (LW155) Towed Howitzer is a jointly managed program with the Marine Corps.												
A. Mission Description and Budget Item Justification												
The Lightweight 155mm Howitzer (LW155), also known as the M777A2, provides direct, reinforcing, general support fires to maneuver forces and direct support artillery. It replaces all howitzers in all missions in the USMC and replaces the M198 howitzer as the general support artillery for light forces in the Army. The LW155 fires unassisted projectiles to a range of 15 miles and assisted projectiles to 19 miles. The addition of the digital fire control system enables the weapon to program and fire the improved Excalibur precision-guided munitions to ranges in excess of 25 miles with better than 10-meter Circular Error Probable (CEP) accuracy. The LW155 is the first ground combat system whose major structures are made of high strength titanium alloy and the system makes extensive use of hydraulics to operate the breech, load tray, recoil and wheel arms. The combination of titanium structures and the use of hydraulic systems resulted in a significant weight savings of 7000 lbs over the M198 system. Compared to the M198, the LW155 emplaces three-times faster and displaces four-times faster. It traverses 32 percent more terrain worldwide and is 70 percent more survivable than the M198. It is a successful joint service program between the Marine Corps and Army working together to develop, produce, field, and sustain the howitzer. The LW155 was first introduced into the Marine Corps in April 2005 and the Marines have now fielded the howitzer to all active units. The Army has fielded the howitzer to its Stryker Brigade Combat teams (SBCT), Fires Brigades and National Guard. Fielding of the Infantry Brigade Combat Teams (IBCT) will commence in FY14 and continue through 2018. The LW155 saw extensive action in Afghanistan, receiving high marks for its performance. Having now been in the field for almost 10 years, the howitzer will be going through obsolescent replacement of electronic components in its digital fire control system. New start in FY-15.												
Funding supports engineering studies for capabilities identified in the Joint Operation Requirements Document (JORD) but deferred during Engineering Manufacturing and Development due to technology maturity, cost and schedule. This includes a digital direct fire sight for the Digital Fire Control System and low temperature, high density power solutions to achieve full operational requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2013	FY 2014	FY 2015
Title: Management Services										-	-	0.194
Description: Funding supports management services within the Program Management Office, Towed Artillery Systems												
FY 2015 Plans:												

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Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0604854A / <i>Artillery Systems - EMD</i>			Project (Number/Name) 509 / <i>LIGHTWEIGHT 155M HOWITZER</i>				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2013	FY 2014	FY 2015		
Funding supports management and coordination with the Armaments Research Development and Engineering Center to conduct trade studies to determine the best material solution for the digital direct fire sight and low temperature, high density power solutions.											
Title: Product Development Description: Funds engineering support from the Armaments Research Development and Engineering Center FY 2015 Plans: Funding will support conducting trade studies to determine the best material solution for digital direct fire sight for the Digital Fire Control System and low temperature, high density power solutions to achieve full operational requirements.							-	-	1.718		
Accomplishments/Planned Programs Subtotals							-	-	1.912		
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
• M777 Mods: <i>M777 Mods - Modification of Weapons and Other Combat Vehicles SSN GZ1700</i>	20.860	39.300	18.166	-	18.166	11.617	11.239	-	-	-	101.182
• Procurement, WTCV, Army, LW155 with: <i>Procurement, WTCV, Army, LW155 with TAD G01700</i>	12.581	-	-	-	-	-	-	-	-	-	12.581
Remarks Procurement Funding supports active retrofits for previously contracted Digital Fire Control System components, addressing obsolescence.											
D. Acquisition Strategy This will be a collaborative effort between the Program Management Office, Towed Artillery Systems, and the Armaments Research Development and Engineering Center at Picatinny Arsenal.											
E. Performance Metrics N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0604854A / Artillery Systems - EMD				Project (Number/Name) 509 / LIGHTWEIGHT 155M HOWITZER							
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
Program Management	Sub Allot	Program Management Towed Artillery Systems : Picatinny Arsenal, NJ	0.000	-		-		0.194	Oct 2014	-		0.194	Continuing	Continuing	Continuing
Subtotal			0.000	-		-		0.194		-		0.194	-	-	-
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
Engineering	MIPR	Armaments Research & Developmet Center : Picatinny Arsenal, NJ	0.000	-		-		1.718	Oct 2014	-		1.718	Continuing	Continuing	Continuing
Subtotal			0.000	-		-		1.718		-		1.718	-	-	-
			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			0.000	-		-		1.912		-		1.912	-	-	-
Remarks															

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604854A / Artillery Systems - EMD				Project (Number/Name) 516 / Paladin/FAASV			
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
516: Paladin/FAASV	-	149.667	121.270	-	-	-	-	-	-	-	-	270.937
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

Note
Starting FY15, 0604854A, project 516 has been moved to new APE 0600609A, project ED8.

A. Mission Description and Budget Item Justification
Paladin Integrated Management (PIM) is an ACAT 1D Acquisition Program. The program will replace the current fleet of M109 Family of Vehicles (FoV) consisting of the M109A6 Paladin Self Propelled Howitzer and M992A2 Field Artillery Ammunition Supply Vehicle (FAASV). PIM is an Army Modernization Program that addresses a critical capability gap created by the Non-Line of Sight Cannon termination in June of 2009 as well as obsolescence and size/weight and power (SWaP) issues in the M109 FoV current Fleet. The PIM system integrates current Bradley Fighting Vehicle suspension and drive train items, Future Combat Systems (FCS) developed Electric Gun Drive systems and current fleet (M109A6) fire control systems into a new chassis that provides better force protection, survivability and increases electrical power over the current fleet. PIM is a two vehicle system: Self Propelled Howitzer (SPH) and Carrier Ammunition Tracked (CAT). The SPH has all characteristics listed above. The CAT utilizes all these same components and traits less those that relate directly to the cannon system. The PIM system replaces the current M109 FoV on a one for one basis, in the cannon fires battalions in the Armored Brigade Combat Team Formations and the Echelons above Brigade (EAB). The overall intent is to increase Soldier force protection, vehicle survivability, provide an appropriate amount of SWaP capacity to add future capabilities, reduce life cycle costs and extend the life of the M109 FoV through FY2050.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Paladin/FAASV Integrated Management (PIM) Development	100.689	84.969	-
Articles:	-	-	-
Description: Funding is provided for the following developmental efforts:			
FY 2013 Accomplishments: Completion of all program documentation, required reviews (Functional Configuration Audit, Product Readiness Review and System Verification Review). Execution of key testing support: LUT and other DT Phase II. Continuing Software Phase II maintenance efforts for Corrective Actions, Producibility, and Obsolescence (CPO) functionality. Engineering development for CPO changes required for LRIP and continuance of Software Phase III development. Development of logistical support products required for fielding (manuals, training). The production of 1.5 Sets of PIM for the execution of Full Up Systems Live-Fire (FUSL).			
FY 2014 Plans: Finalization of developmental fixes, sub-system qualification, and testing for production. Continuance of engineering development for CPOs and Software Phase III efforts required for LRIP production-continue Software Phase II maintenance efforts for CPO			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2013	FY 2014	FY 2015
functionality. Executing Software Developmental Qualification Testing (DQT) for Software Phase III. Development of an Objective Underbelly Kit per guidance of the Defense Acquisition Executive (DAE.) Continued development of logistical support products (manuals and training) required for fielding. Execution of First Article Testing (FAT) of production vehicles.					
Title: Test and Evaluation			7.442	4.900	-
Articles:			-	-	-
Description: Funding is provided for the following government test efforts:					
FY 2013 Accomplishments: Plan and execute operational testing and continued DT including qualification of subsystems, system safety, performance testing, live fire exploitation testing, logistics demonstration, and additional Green DT. Key tests include a Limited User Test (LUT) to evaluate suitability and effectiveness in an operational environment, and DT to include completion of the second segment of the RAM Growth Curve (RGC); extreme temperature testing; transportability testing; durability testing of the Carrier, Ammunition, Tracked (CAT) vehicle; automotive and firing performance; and initial testing to verify Corrective Action, Producibility, and Obsolescence (CPO) changes resulting from earlier testing and continued development. Live fire test events include BH&T exploitation testing, fuel cell and Improvised Explosive Device (IED) testing, and behind armor debris testing. Logistics demonstration continues on prototype vehicles to develop maintenance procedures and publications.					
FY 2014 Plans: Plan and execute continued DT including qualification of subsystems, system safety, performance testing, live fire exploitation testing, and logistics demonstration. Key developmental tests events include continued verification of CPO changes to validate the LRIP production configuration. This testing consists of full load cooling test, software DQT, and automotive and firing performance testing on a production representative vehicle. Key live fire test events include final exploitation testing on a BH&T and production representative vehicle, component ballistic testing, and testing of the Automatic Fire Extinguisher System (AFES). Logistics demonstration is integrated with the test plan as CPO changes are verified.					
Title: Program Management			28.320	22.484	-
Articles:			-	-	-
Description: Funding is provided for the following program management support:					
FY 2013 Accomplishments: Government System Engineering and Program Management for the total program including: Original Equipment Manufacturer (OEM) management consisting of weekly, monthly, and quarterly program management reviews; continue contract execution management, and execution of key program reviews (FCA, SVR and PRR). Manages Government Developmental Test and Evaluation program. Management of LRIP contract award process. Complete all program documentation and reviews for the MS					

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Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0604854A / Artillery Systems - EMD				Project (Number/Name) 516 / Paladin/FAASV			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015
C (production) decision in JUN 2013. Management of the program cost, schedule, and performance metrics including making programmatic trade-off decisions. Management of Other Governmental Agencies (OGAs) that support the PIM program. FY 2014 Plans: Government System Engineering and Program Management for the total program including: OEM management consisting of weekly, monthly, and quarterly program management reviews; continue contract execution management for the EMD phase contract until completion of all efforts in FY 16. Manages Government Developmental Test and Evaluation program. Management of the program cost, schedule, and performance metrics including making programmatic trade-off decisions. Management of Other Governmental Agencies (OGAs) that support the PIM program.											
Title: Training Articles:									6.428 -	5.864 -	- -
Description: Funding is provided for the following training government and contractor efforts: FY 2013 Accomplishments: PIM Training Development supports the development of Training Aids, Devices, Simulators and Simulations (TADSS) for crew and maintainers, New Equipment Training (NET) and fielding plans. FY 2014 Plans: Continue PIM training developmental efforts that support TADSS for crew and maintainers, NET, and fielding plans.											
Title: Data Articles:									6.788 -	3.053 -	- -
Description: Funding is provided for the following data contractor efforts: FY 2013 Accomplishments: Contractor Technical Data Package Updates and Technical Publications FY 2014 Plans: Contractor Technical Data Package Updates and Technical Publications											
Accomplishments/Planned Programs Subtotals									149.667	121.270	-
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
• Paladin/FAASV: Paladin/FAASV Mod	8.630	4.769	45.411	-	45.411	48.426	65.139	67.544	77.099	97.586	414.604

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014	
Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0604854A / <i>Artillery Systems - EMD</i>				Project (Number/Name) 516 / <i>Paladin/FAASV</i>			
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>
• Paladin Integrated Management (PIM): <i>PIM Mod In Service</i>	188.633	199.477	-	-	-	-	-	-	-	-	388.110
Remarks											
Starting FY15, 0604854A, project 516 has been moved to new APE 0600609A, project ED8.											
D. Acquisition Strategy											
The PIM Program was initiated on 16 August 07 under the BAE Systems, Inc., System Technical Support (STS) Contract W56HZV-07-C-0096. Subsequent work directives were awarded under BAE STS contract W56HZV-07-C-0256 to further define the configuration of the PIM vehicles. On 14 August 2009, a Research, Development, Test and Evaluation (RDT&E) Contract W56HZV-09-C-0550 was awarded to BAE Systems Inc. for the Prototype Development and Fabrication of 7 prototype vehicles (5 PIM Self Propelled Howitzer Systems (SPHS) and 2 PIM Carrier Ammunition Tracked (CAT) vehicles). A Comprehensive Contract Modification (CCM) award to the RDT&E contract was accomplished on 6 Jan 2012. This modification allows for the completion of the Engineering and Manufacturing Development (EMD) Phase and transfers the system responsibility for the program from the Government to BAE Systems Inc. The planned Low-Rate Initial Production (LRIP) contract is of a Fixed Price Incentive Firm Target (FPIF) contract type for procurement of vehicles with a period of performance running from Nov 2013 through approximately Jun 2019. The LRIP contract will provide for three LRIP years with the initial base year including 19 SPHs and 18 CATs and the remaining two option years with 18 sets and 30 sets, respectively (each set consisting of one each SPH and CAT) of PIM vehicles. The Full Rate Production (FRP) contract is planned as a FPIF contract that converts to a Firm Fixed Price (FFP) contract after the second year of FRP. The FRP contract provides for the remaining PIM vehicles to fulfill the requirement up to the Army Acquisition Objective of 580 sets.											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604854A / Artillery Systems - EMD				Project (Number/Name) 516 / Paladin/FAASV					
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
PMO Support	MIPR	PM Paladin/FAASV : Picatinny, NJ/ TACOM	77.871	28.320	Dec 2012	22.484	Dec 2013	-		-		-	Continuing	Continuing	Continuing
Subtotal			77.871	28.320		22.484		-		-		-	-	-	-
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
Training	SS/CPIF	BAE Systems : York, PA	0.000	6.428	Dec 2012	5.864	Nov 2013	-		-		-	Continuing	Continuing	Continuing
Data	SS/CPIF	BAE : York, PA	0.000	6.788	Dec 2012	3.053	Nov 2013	-		-		-	Continuing	Continuing	Continuing
Small Business Innovative Research/Small Business Technology Transfer Program	Various	TACOM : Warren, MI	3.668	-		-		-		-		-	Continuing	Continuing	Continuing
PIM Development - Contractor	SS/CPIF	BAE, Systems : York, PA	387.182	100.689	Nov 2012	84.969	Nov 2013	-		-		-	Continuing	Continuing	Continuing
PIM Development - Government	MIPR	Various OGAs : Various	0.000	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			390.850	113.905		93.886		-		-		-	-	-	-
Remarks															
Funding has been moved to new PE 650609 and PROJECT ED8.															
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
System Level Testing	Various	Various OGAs : Various	38.549	7.442	Nov 2012	4.900	Feb 2014	-		-		-	Continuing	Continuing	Continuing
Subtotal			38.549	7.442		4.900		-		-		-	-	-	-

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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	
Project Cost Totals	507.270	149.667		121.270		-		-		-	-	-	-	
Remarks														

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army										Date: March 2014			
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604854A / <i>Artillery Systems - EMD</i>					Project (Number/Name) 516 / <i>Paladin/FAASV</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
Contractor Testing																												
Government Development Test																												
Milestone C																												
Low Rate Initial Production Contract																												
Low Rate Initial Production Deliveries																												
Full Up System Live Fire Test																												
IOTE																												
Full Rate Production Decision																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604854A / <i>Artillery Systems - EMD</i>	Project (Number/Name) 516 / <i>Paladin/FAASV</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Contractor Testing	1	2011	4	2015
Government Development Test	3	2011	4	2016
Milestone C	1	2014	1	2014
Low Rate Initial Production Contract	1	2014	2	2016
Low Rate Initial Production Deliveries	2	2015	3	2018
Full Up System Live Fire Test	3	2015	4	2016
IOTE	4	2016	4	2016
Full Rate Production Decision	2	2017	2	2017