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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	57.677	83.178	80.337	0.000	80.337	59.587	45.607	42.659	42.871	Continuing	Continuing
033: ADV CREW SVC WPN	7.973	1.958	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
S58: SOLDIER ENHANCEMENT PROGRAM	11.393	4.865	4.850	0.000	4.850	5.786	5.752	6.695	6.666	Continuing	Continuing
S60: CLOTHING & EQUIPMENT	18.636	15.273	9.711	0.000	9.711	10.343	9.621	5.930	5.999	Continuing	Continuing
S61: ACIS ENGINEERING DEVELOPMENT	12.988	10.458	10.295	0.000	10.295	13.917	14.146	14.402	14.635	Continuing	Continuing
S62: Counter-Defilade Target Engagement - SDD	0.000	21.751	34.416	0.000	34.416	10.237	0.605	0.000	0.000	Continuing	Continuing
S63: SMALL ARMS IMPROVEMENT	5.787	27.559	19.805	0.000	19.805	18.231	14.404	14.481	14.438	Continuing	Continuing
S70: PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	0.000	1.314	1.260	0.000	1.260	1.073	1.079	1.151	1.133	Continuing	Continuing
A. Mission Description and Budget Item Justification											
FY 2011 budget request funds Infantry Support Weapons. This program element (PE) Engineering and Manufacturing Development (EMD) manages the Soldier as a system, with the goal of increasing Soldiers' combat effectiveness, increasing survivability, and improving the Soldiers' quality of life. It develops and tests prototypes of weapons, clothing, equipment, and other items useful to support the Soldier. Project 033 (Advanced Crew Served Weapon) develops the Lightweight .50 Caliber Machine Gun which enables the Soldier to effectively suppress and incapacitate exposed personnel targets out to 2,000 meters as well as providing a capability to defeat light armored vehicles out to 1,500 meters. The new .50 Caliber weapon will reduce weight and recoil, and eliminate manual adjustment of headspace and timing.Project S58 (Soldier Enhancement Program) supports accelerated integration, modernization, and enhancement efforts of lighter, more lethal weapons, and improved Soldier items including lighter, more comfortable load-bearing equipment, field gear, survivability items, communications equipment, and navigational aids. Project S59 (Soldier Support Equipment) supports system development and prototyping of critical Soldier support systems and other combat service support equipment that will improve unit sustainability and combat effectiveness.Project S60 (Clothing and Equipment) supports pre-production development of state-of-the-art individual clothing and equipment to improve the survivability, mobility and sustainment affecting the quality of life of the individual Soldier.Project S61 (Aircrew Integrated Systems) provides System Development programs with improved aviator safety, survivability, and human performance that amplify the warfighting effectiveness and facilitates full-spectrum dominance of the Army aircraft including the AH-64 Apache/Longbow, CH-47 Chinook, UH/HH-60 Blackhawk, Light Utility Helicopter, and Armed Reconnaissance Helicopter.Project S62 (Counter-Defilade Target Engagement) the XM25, Individual Airburst Weapon System (IAWS) delivers a 25mm											

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2040: Research, Development, Test & Evaluation, Army		PE 0604601A: Infantry Support Weapons			
BA 5: Development & Demonstration (SDD)					
programmable high explosive airburst (HEAB) round to defeat defilade and point areas targets out to approximately 600 meters. Accurate and lethal engagement of defilade targets at the squad level is the number one capability gap identified by the United States Army Infantry Center (USAIC).Project S63 (Small Arms Improvements) demonstrates engineering development models or integrated commercial items designed to enhance lethality, target acquisition, fire control, training effectiveness, and reliability for small arms weapon systems and ammunition. FY2011 new programs include Improved Weapons Coatings, Personal Defense Weapon, 30 Round 5.56mm Magazine, Modular Handgun and Precision Sniper Rifle. Project S64 (CROWS) funds will be applied to continue enhancing CROWS capability and reliability, and to increase its application across combat and tactical platforms. This capability will enhance the Soldier's survivability, lethality and situational awareness.Project S70 (Personnel Recovery Support System) provides system research, development and testing of the Personal Recovery Support System/Personnel Recovery Support Equipment supporting operations to report and locate isolated, missing, detained or captured Soldiers.					
B. Program Change Summary (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	58.064	74.814	58.032	0.000	58.032
Current President's Budget	57.677	83.178	80.337	0.000	80.337
Total Adjustments	-0.387	8.364	22.305	0.000	22.305
• Congressional General Reductions		-0.436			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		8.800			
• Congressional Directed Transfers		0.000			
• Reprogrammings	-0.387	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Adjustments to Budget Years	0.000	0.000	22.305	0.000	22.305
Change Summary Explanation					
Change Summary Explanation: FY 2010: Congressional Increases-\$1.600 million for Headborne Energy Analysis and Diagnostic System\$4.000 million for Composite Bottles for Survival Egress Air\$3.200 million for Lightweight Caliber .50 Machine Gun FY 2011: Funding increase to support the Counter Defilade Target Engagement System and Small Arms Improvement program.					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Army								<b>DATE:</b> February 2010			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> 033: <i>ADV CREW SVC WPN</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2009 Actual</b>	<b>FY 2010 Estimate</b>	<b>FY 2011 Base Estimate</b>	<b>FY 2011 OCO Estimate</b>	<b>FY 2011 Total Estimate</b>	<b>FY 2012 Estimate</b>	<b>FY 2013 Estimate</b>	<b>FY 2014 Estimate</b>	<b>FY 2015 Estimate</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
033: <i>ADV CREW SVC WPN</i>	7.973	1.958	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles											
<b>A. Mission Description and Budget Item Justification</b> This project develops the Lightweight .50 Caliber Machine Gun which will meet the US Army/SOCOM requirements for a Lightweight Enhanced .50 Caliber Machine Gun. The project will result in the development of a lightweight .50 Caliber machine gun system enabling the Soldier to effectively suppress and incapacitate exposed personnel targets out to 2,000 meters, as well as providing a capability to defeat lightly armored vehicles out to 1,500 meters. Successful development of the Lightweight .50 Caliber Machine Gun will increase the warfighter's lethality while significantly reducing tactical load and supportability costs. The new .50 Caliber weapon will reduce weight and recoil, and eliminate manual adjustment of headspace and timing.											
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>											
							<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
Program #1							1.778	0.000	0.000	0.000	0.000
Award Development Contract											
<i>FY 2009 Accomplishments:</i>											
FY 2009											
<i>FY 2010 Plans:</i>											
FY 2010											
<i>FY 2011 Base Plans:</i>											
FY 2011 Base											
<i>FY 2011 OCO Plans:</i>											
FY 2011 OCO											

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B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #2	2.472	0.000	0.000	0.000	0.000
Design Weapon System Hardware					
FY 2009 Accomplishments:					
FY 2009					
FY 2010 Plans:					
FY 2010					
FY 2011 Base Plans:					
FY 2011 Base					
FY 2011 OCO Plans:					
FY 2011 OCO					
Program #3	2.700	0.000	0.000	0.000	0.000
Fabricate Weapon System Hardware					
FY 2009 Accomplishments:					
FY 2009					
FY 2010 Plans:					
FY 2010					
FY 2011 Base Plans:					
FY 2011 Base					
FY 2011 OCO Plans:					
FY 2011 OCO					

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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #4		0.378	0.000	0.000	0.000	0.000
Establish Interface Controls						
FY 2009 Accomplishments:						
FY 2009						
FY 2010 Plans:						
FY 2010						
FY 2011 Base Plans:						
FY 2011 Base						
FY 2011 OCO Plans:						
FY 2011 OCO						
Program #5		0.145	0.200	0.000	0.000	0.000
Integrated Logistics Support						
FY 2009 Accomplishments:						
FY 2009						
FY 2010 Plans:						
FY 2010						
FY 2011 Base Plans:						
FY 2011 Base						
FY 2011 OCO Plans:						
FY 2011 OCO						

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B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #6  Conduct Weapon System Design Test  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO	0.500	1.545	0.000	0.000	0.000
Program #7  Small Business Innovative Research/Small Business Technology Transfer Program  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO	0.000	0.213	0.000	0.000	0.000

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<b><u>B. Accomplishments/Planned Program (\$ in Millions)</u></b>											
							<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
Accomplishments/Planned Programs Subtotals							7.973	1.958	0.000	0.000	0.000
<b><u>C. Other Program Funding Summary (\$ in Millions)</u></b>											
<b><u>Line Item</u></b>	<b><u>FY 2009</u></b>	<b><u>FY 2010</u></b>	<b><u>FY 2011 Base</u></b>	<b><u>FY 2011 OCO</u></b>	<b><u>FY 2011 Total</u></b>	<b><u>FY 2012</u></b>	<b><u>FY 2013</u></b>	<b><u>FY 2014</u></b>	<b><u>FY 2015</u></b>	<b><u>Cost To Complete</u></b>	<b><u>Total Cost</u></b>
• Ord. #1: <i>WTCV, G12800, Lightweight .50 Caliber Machine Gun</i>	0.000	0.974	18.941	0.000	18.941	28.872	19.036	33.325	31.667	0	132.815
<b><u>D. Acquisition Strategy</u></b>											
In support of the US Army Infantry Center (USAIC) Capability Production Document (CPD) for Enhanced .50 Caliber Machine Gun (M2A1), the Lightweight .50 Caliber Machine Gun will be developed. Milestone C is scheduled fourth quarter FY2010. The development contractor is General Dynamics Armament and Technical Products (GDATP) of Burlington, Vermont. The Acquisition Strategy (Sole Source), Acquisition Plan, and Milestone B were approved by the Milestone Decision Authority (MDA) - PEO Soldier.											
<b><u>E. Performance Metrics</u></b>											
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.											

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<b>Subtotal</b>			0.000	0.961		0.000		0.000		0.000			0.000																																																																						
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<b>Management Services (\$ in Millions)</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th colspan="4"></th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th colspan="3"></th> </tr> <tr> <th>Cost Category Item</th> <th>Contract Method &amp; Type</th> <th>Performing Activity &amp; Location</th> <th>Total Prior Years Cost</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Cost To Complete</th> <th>Total Cost</th> <th>Target Value of Contract</th> </tr> <tr> <td>Program Management</td> <td align="center">C</td> <td>Nothing entered for Activity and Location. Location could not be determined.</td> <td align="right">0.000</td> <td align="right">0.110</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="center">Continuing</td> <td align="center">Continuing</td> <td align="right">0</td> </tr> <tr> <td>Travel</td> <td align="center">C</td> <td>Nothing entered for Activity and Location. Location could not be determined.</td> <td align="right">0.000</td> <td align="right">0.035</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="center">Continuing</td> <td align="center">Continuing</td> <td align="right">0</td> </tr> <tr> <td align="right" colspan="3"><b>Subtotal</b></td> <td align="right">0.000</td> <td align="right">0.145</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td></td> <td align="right">0.000</td> </tr> </table>																		FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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	Program Management	C	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.110		0.000		0.000		0.000	Continuing	Continuing	0	Travel	C	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.035		0.000		0.000		0.000	Continuing	Continuing	0	<b>Subtotal</b>			0.000	0.145		0.000		0.000		0.000			0.000
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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																																																																						
Program Management	C	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.110		0.000		0.000		0.000	Continuing	Continuing	0																																																																						
Travel	C	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.035		0.000		0.000		0.000	Continuing	Continuing	0																																																																						
<b>Subtotal</b>			0.000	0.145		0.000		0.000		0.000			0.000																																																																						
<b>Remarks</b>																																																																																			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army							DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604601A: <i>Infantry Support Weapons</i>			PROJECT 033: <i>ADV CREW SVC WPN</i>					
		Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		0.000	1.958		0.000		0.000		0.000			0.000
Remarks												

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2011 Army</b>		<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>	<b>PROJECT</b> 033: <i>ADV CREW SVC WPN</i>

  

	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	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
Conduct Weapon System Design Validation Test	#	#	#																									
Award Development Contract		#																										
Design /Evaluate Weapon System Hardware				#	#	#	#	#																				
ILS Training				#	#																							
DT/LUT					#																							
Milestone C/TC LRIP							#																					

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2011 Army			<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>	<b>PROJECT</b> 033: <i>ADV CREW SVC WPN</i>	

Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
Conduct Weapon System Design Validation Test	1	2009	3	2009
Award Development Contract	2	2009	2	2009
Design /Evaluate Weapon System Hardware	4	2009	3	2010
ILS Training	4	2009	1	2010
DT/LUT	1	2010	1	2010
Milestone C/TC LRIP	3	2010	3	2010

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<b>Exhibit R-5, RDT&amp;E Termination Liability:</b> PB 2011 Army							<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>			<b>PROJECT</b> 033: <i>ADV CREW SVC WPN</i>
<b>Cost (\$ in Millions)</b>	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
<b>Program Termination Liability</b>	9.659	0.000	2.000	0.000	0.000	0.000	0.000

**Notes**

Funding will be used to complete development testing.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Army								<b>DATE:</b> February 2010			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S58: <i>SOLDIER ENHANCEMENT PROGRAM</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2009 Actual</b>	<b>FY 2010 Estimate</b>	<b>FY 2011 Base Estimate</b>	<b>FY 2011 OCO Estimate</b>	<b>FY 2011 Total Estimate</b>	<b>FY 2012 Estimate</b>	<b>FY 2013 Estimate</b>	<b>FY 2014 Estimate</b>	<b>FY 2015 Estimate</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
S58: <i>SOLDIER ENHANCEMENT PROGRAM</i>	11.393	4.865	4.850	0.000	4.850	5.786	5.752	6.695	6.666	Continuing	Continuing
Quantity of RDT&E Articles											
<b>A. Mission Description and Budget Item Justification</b> This program supports accelerated integration, modernization, and enhancement efforts of lighter, more lethal weapons, including improved optics, sights, and fire controls; and improved soldier items including lighter, more comfortable load-bearing equipment, field gear, survivability items, communications equipment, and navigational aids. Soldiers are managed in three categories: dismounted Soldiers, combat crews (air and ground), and other Soldiers. Projects are generally completed in three years or less.											
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>											
							<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
Program #1  FY09-FY11: Accomplishments and Current Plan include evaluation and procurement of prototypes and/or test for the following Soldier Equipment Items: Enhanced Hearing Protection, Parachute Electronic Activation Device, Parachute Oxygen Mask, and On-The-Move Hydration System, Aircrew Laser Pointer, Ghillie Suit, Concealable Body Armor Demo, Grenadier Laser Range Finder, Mounted Soldier Body Armor Demonstration and Mountain Boots, and Family of Flashlights.  <i>FY 2009 Accomplishments:</i> FY 2009  <i>FY 2010 Plans:</i> FY 2010  <i>FY 2011 Base Plans:</i> FY 2011 Base							4.138	1.005	1.249	0.000	1.249

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S58: SOLDIER ENHANCEMENT PROGRAM		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 OCO Plans: FY 2011 OCO						
Program #2  FY09-FY11: Accomplishments and Current Plan include evaluation and procurement of prototypes and/or test for the following Soldier Weapons Items: 12 Ga Non-lethal Extended Range Round, 40 MM Extended Range Non-lethal Round, Close Quarters Battle Kit Re-compete, Modular Accessory Shotgun System, XM320 Grenade Launcher Module, Advanced Sniper Accessory Kit, the M2 Quick Change Barrel Kit, M68 CCO Re-Competition, Sniper Quick Fire Sight, and Sniper Weapon Tripod.  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO		1.823	1.018	1.055	0.000	1.055
Program #3  FY09-FY11: Continue in-house engineering support services, conduct technical evaluations and program reviews.  FY 2009 Accomplishments: FY 2009		2.106	0.997	0.949	0.000	0.949

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604601A: <i>Infantry Support Weapons</i>		PROJECT S58: <i>SOLDIER ENHANCEMENT PROGRAM</i>		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #4  FY09-FY11: Initiate market surveys and/or evaluations on new items to commence development and demonstration. New items initiated will continue evaluation/procurement of new prototypes.		1.792	0.953	0.800	0.000	0.800
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #5  FY09-FY11: Current Plan includes evaluation and procurement of prototypes and/or test for Soldier equipment and Lethality programs that will be reviewed in a semi-annual review scheduled for Feb 2010 which could		1.109	0.892	0.797	0.000	0.797

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons	PROJECT S58: SOLDIER ENHANCEMENT PROGRAM			
B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
include: Individual Force Protection System, SmartCard Explosives Detection Reader, Engineer Equipment Set: Urban Operations, Platoon, Range Finders with Angle Range Compensation (ARC), Zerust, Combat Cushion, ACCU-SHOT MONOPOD, Bio-Degradable, Self Neutralizing AP Mine, Weapons Magazine Well Cover, Portable Boresight Fixture, Enhanced - Laser Module Unit (E-LMU) Bullet Proof Universal Weapons Mount, Tactical Equipment Lanyard Kit, SandHopper, Flame Resistant Clothing (Socks), Sand Bagger Fixture, V-Pac Vests, In-Ear Noise Reduction Headphones, Improved Helmet Chinstrap, Enhanced Bed Net System, Model 863 M-4 Tactical Padded Hard Case, Hammer Mechanism For Firearms, Canine Dental Enhancement, Improved Bed Net System, Dustoff Modular Weapon Protection System, Tempus IC from RDT Ltd, Load-Ready, (Posture Orange), Michaelosheld, Steiner 10x42 R Binoculars #650, SmartBagger, Expanding Point Munitions for Small Arms, RYNOSKIN Insect Protection Suit, Gloshade, Improved MEDEVAC GTA, M16/M4 Family Weapons ID Band, MVMS (Mobile Surveillance TV-System), Free-Floating Rail System for M4/M16, Designated Marksman Precision Trigger  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO					
Program #6 Small Business Innovative Research/Small Business Technology Transfer Programs	0.425	0.000	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons			PROJECT S58: SOLDIER ENHANCEMENT PROGRAM				
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
FY 2009 Accomplishments: FY 2009											
FY 2010 Plans: FY 2010											
FY 2011 Base Plans: FY 2011 Base											
FY 2011 OCO Plans: FY 2011 OCO											
Accomplishments/Planned Programs Subtotals						11.393	4.865	4.850	0.000	4.850	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• Ord. #1: OPA3, MA68000, Soldier Enhancement	9.169	4.058	5.416	0.000	5.416	9.441	4.822	8.459	4.789	Continuing	Continuing
• Ord. #2: OPA2, BA5300, Soldier Enhancement	7.545	5.020	5.469	0.000	5.469	5.000	5.000	5.000	5.000	Continuing	Continuing
• Ord. #3: WTCV, GC0076, Small Arms (SEP)	1.250	5.131	4.161	0.000	4.161	5.154	5.154	5.300	5.300	Continuing	Continuing
• Ord. #4: WTCV, GZ1290,Squad Automatic Wpn (Mods)	22.134	7.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
• Ord. #5: WTCV, GZ2800, M16 Rifle Mods	1.181	4.285	3.965	0.000	3.965	3.618	3.469	3.482	3.500	Continuing	Continuing
• Ord. #6: WTCV, GB3007, M4 Carbine Mods	16.746	17.885	16.613	0.000	16.613	13.672	13.414	14.043	14.410	Continuing	Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons				PROJECT S58: SOLDIER ENHANCEMENT PROGRAM			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• Ord. #7: WTCV, GO1500, Sniper Rifle	0.223	0.229	0.242	0.000	0.242	0.000	0.000	0.000	0.000	Continuing	Continuing
• Ord. #8: WTCV,GC0925, Mods	3.763	6.310	6.263	0.000	6.263	3.096	3.230	0.000	0.000	Continuing	Continuing
• Ord. #9: PAA, F47500, 7.62mm AP	10.000	10.000	10.000	0.000	10.000	6.000	2.000	0.000	0.000	Continuing	Continuing
• Ord. #10: PAA, F47600, 5.65mm AP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
• Ord. #11: OMA, 121017, Central Funding & Fielding	92.606	89.100	39.137	0.000	39.137	79.642	113.198	0.000	0.000	Continuing	Continuing
• Ord. #12: WTCV, G14904 - M4 Carbine	150.610	62.738	48.804	0.000	48.804	45.065	19.502	46.582	46.708	Continuing	Continuing
D. Acquisition Strategy											
The Soldier Enhancement Program (SEP) focuses on COTS initiatives and integration efforts that lend themselves to accelerated acquisiton and fielding in the near term (within three years). New SEP candidates are reviewed and approved semi-annually. SEP items are procured from multiple appropriations, i.e., OMA, OPA, WTCV, and PAA.											
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.											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S58: <i>SOLDIER ENHANCEMENT PROGRAM</i>					
 <b>Product Development (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Various	C/Various	TBD Location could not be determined.	25.275	1.854		1.843		0.000		1.843	Continuing	Continuing	0
<b>Subtotal</b>			25.275	1.854		1.843		0.000		1.843			0.000
 <b>Remarks</b> Candidates for the Soldier Enhancement Program are received, reviewed, and approved semi-annually. Contractual efforts are focused on procuring prototypes for testing.													
 <b>Support (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Various	C/Various	TBD Location could not be determined.	3.051	0.596		0.601		0.000		0.601	Continuing	Continuing	0
<b>Subtotal</b>			3.051	0.596		0.601		0.000		0.601			0.000
 <b>Remarks</b> Support costs vary annually depending on the type of items that are being evaluated. Research, Development, and Engineering Centers support to evaluate these items also varies annually depending on the number and types of items.													

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010																																																			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S58: <i>SOLDIER ENHANCEMENT PROGRAM</i>																																																						
<p><b>Test and Evaluation (\$ in Millions)</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Cost Category Item</th> <th rowspan="2">Contract Method &amp; Type</th> <th rowspan="2">Performing Activity &amp; Location</th> <th rowspan="2">Total Prior Years Cost</th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th rowspan="2">Cost To Complete</th> <th rowspan="2">Total Cost</th> <th rowspan="2">Target Value of Contract</th> </tr> <tr> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> </tr> </thead> <tbody> <tr> <td>Various</td> <td>C/Various</td> <td>Nothing entered for Activity and Location. Location could not be determined.</td> <td align="right">4.842</td> <td align="right">1.643</td> <td></td> <td align="right">1.690</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">1.690</td> <td align="center">Continuing</td> <td align="center">Continuing</td> <td align="right">0</td> </tr> <tr> <td align="right" colspan="3"><b>Subtotal</b></td> <td align="right">4.842</td> <td align="right">1.643</td> <td></td> <td align="right">1.690</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">1.690</td> <td></td> <td></td> <td align="right">0.000</td> </tr> </tbody> </table>														Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Various	C/Various	Nothing entered for Activity and Location. Location could not be determined.	4.842	1.643		1.690		0.000		1.690	Continuing	Continuing	0	<b>Subtotal</b>			4.842	1.643		1.690		0.000		1.690			0.000
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract																																																	
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost																																																				
Various	C/Various	Nothing entered for Activity and Location. Location could not be determined.	4.842	1.643		1.690		0.000		1.690	Continuing	Continuing	0																																																	
<b>Subtotal</b>			4.842	1.643		1.690		0.000		1.690			0.000																																																	
<p><b>Remarks</b> Testing costs vary annually depending on number and type of items being evaluated.</p>																																																														
<p><b>Management Services (\$ in Millions)</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Cost Category Item</th> <th rowspan="2">Contract Method &amp; Type</th> <th rowspan="2">Performing Activity &amp; Location</th> <th rowspan="2">Total Prior Years Cost</th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th rowspan="2">Cost To Complete</th> <th rowspan="2">Total Cost</th> <th rowspan="2">Target Value of Contract</th> </tr> <tr> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> </tr> </thead> <tbody> <tr> <td>In-House</td> <td>C</td> <td>PEO Soldier Ft Belvoir, Va</td> <td align="right">5.936</td> <td align="right">0.772</td> <td></td> <td align="right">0.716</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.716</td> <td align="center">Continuing</td> <td align="center">Continuing</td> <td align="right">0</td> </tr> <tr> <td align="right" colspan="3"><b>Subtotal</b></td> <td align="right">5.936</td> <td align="right">0.772</td> <td></td> <td align="right">0.716</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.716</td> <td></td> <td></td> <td align="right">0.000</td> </tr> </tbody> </table>														Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	In-House	C	PEO Soldier Ft Belvoir, Va	5.936	0.772		0.716		0.000		0.716	Continuing	Continuing	0	<b>Subtotal</b>			5.936	0.772		0.716		0.000		0.716			0.000
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract																																																	
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost																																																				
In-House	C	PEO Soldier Ft Belvoir, Va	5.936	0.772		0.716		0.000		0.716	Continuing	Continuing	0																																																	
<b>Subtotal</b>			5.936	0.772		0.716		0.000		0.716			0.000																																																	
<p><b>Remarks</b> Costs vary annually depending on number and type of items being evaluated.</p>																																																														

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2011 Army							<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>			<b>PROJECT</b> S58: <i>SOLDIER ENHANCEMENT PROGRAM</i>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"></div> <div style="width: 15%; text-align: center;"> <b>Total Prior Years Cost</b> </div> <div style="width: 10%; text-align: center;"> <b>FY 2010</b> </div> <div style="width: 10%; text-align: center;"> <b>FY 2011 Base</b> </div> <div style="width: 10%; text-align: center;"> <b>FY 2011 OCO</b> </div> <div style="width: 10%; text-align: center;"> <b>FY 2011 Total</b> </div> <div style="width: 10%; text-align: center;"> <b>Cost To Complete</b> </div> <div style="width: 10%; text-align: center;"> <b>Total Cost</b> </div> <div style="width: 10%; text-align: center;"> <b>Target Value of Contract</b> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 20%;"><b>Project Cost Totals</b></div> <div style="width: 15%; text-align: center;">39.104</div> <div style="width: 10%; text-align: center;">4.865</div> <div style="width: 10%; text-align: center;">4.850</div> <div style="width: 10%; text-align: center;">0.000</div> <div style="width: 10%; text-align: center;">4.850</div> <div style="width: 10%;"></div> <div style="width: 10%; text-align: center;">0.000</div> </div>									
<b>Remarks</b>									

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Army								<b>DATE:</b> February 2010			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S60: <i>CLOTHING &amp; EQUIPMENT</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2009 Actual</b>	<b>FY 2010 Estimate</b>	<b>FY 2011 Base Estimate</b>	<b>FY 2011 OCO Estimate</b>	<b>FY 2011 Total Estimate</b>	<b>FY 2012 Estimate</b>	<b>FY 2013 Estimate</b>	<b>FY 2014 Estimate</b>	<b>FY 2015 Estimate</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
S60: <i>CLOTHING &amp; EQUIPMENT</i>	18.636	15.273	9.711	0.000	9.711	10.343	9.621	5.930	5.999	Continuing	Continuing
Quantity of RDT&E Articles											
<b>A. Mission Description and Budget Item Justification</b> Funding supports pre-production development of state-of-the-art individual clothing and equipment to improve the survivability, mobility, comfort, and sustainment affecting the quality of life of the individual Soldier.											
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>											
							<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
Program #1  Individual Soldier Ballistic Protection (FY09): Continued efforts to integrate incremental capability improvements into Interceptor Body Armor in response to operational feedback. Initiated and completed Soldier Protection Demonstration VII excursion to demonstrate efficacy of IOTV design improvements. Initiated and completed the ergonomics analysis of the IOTV in response to operational feedback on female Soldier sizing and functionality. Completed initial evaluation of advanced dielectric stack (laser protective) ballistic protective spectacle lenses and received prototypes for formal test and evaluation in FY10. Initiated and completed SPD VII and ballistic testing of Plate Carrier systems to reduce weight and cube to increase Soldier mobility. Continued development of the Enhanced Combat Helmet (ECH) in cooperation with the Marines to support a FY10 production and fielding decision. Assessed head protection component technologies to mitigate the effects of ballistic/blast and non-ballistic impact (crash) threats. Procured four Non-Destructive Test Equipment (NDTE) systems to assess and establish ballistic plate performance & reliability. (FY10-11) Conduct formal test and evaluation of advanced dielectric stack (laser protective) ballistic protective spectacle lenses and transition to production. Continue incremental improvements (sizing, functionality, heat management, & reduce weight/cube of Interceptor Body Armor System and transition new technologies as they mature. Leverage emerging blast testing data analysis to establish performance baseline of next generation PPE. Continue with NDTE software improvements. Make							14.605	6.800	4.799	0.000	4.799

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S60: CLOTHING & EQUIPMENT		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
NDTE and ECH production and fielding decisions. Continue to improve ballistic & advanced laser protection on combat eyewear. Improve lens coatings to improve scratch & fog resistance.  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO						
Program #2  Soldier Uniforms and Clothing: (FY09) Conducted system integration and formal DT/OT of preproduction and production representative systems leveraging advancements in materials, nanotechnology, fabrication techniques, moisture management, fire resistance, antimicrobial treatments, insect protection, extreme environmental protection and advancements in chemical/biological protection to increase the capabilities and durability of tactical and non-tactical clothing such as the improved Fire Resistant (FR) Army Combat Uniform (ACU) and the Army Aviation Combat Uniform. Proved out commonality across as broad a spectrum of users as possible to provide a modular integrated uniform/clothing system from skin out and head-to-toe. (FY10-11) Apply appropriate FR materials to hot weather vehicle crewmen uniforms and FR Fuel Handlers coveralls. Conduct product improvements for clothing bag items. Conduct user evaluations of clothing bag items. Publish an updated combat glove Approved Products List (APL). System Engineering Change Proposals (ECPs) and technology insertions to update components and synergy of Generation (GEN) IV Extended Cold Weather		1.604	2.175	2.107	0.000	2.107

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010		
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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Clothing System (ECWCS) to provide FR protection in cold weather clothing. Evaluate Improved Physical Fitness Uniform (IPFU) trunks and t-shirts. Improve fit of Army Combat Uniforms for women.  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO						
Program #3  Individual Equipment: (FY09) Conducted Engineering Manufacturing Development (EMD) of preproduction and production representative systems utilizing advancements in technology for load bearing equipment, hydration technologies including water filtration and Nuclear, Biological, Chemical (NBC) hydration, and other mission essential and/or mission specific equipment for Soldiers. Prove out as much commonality as feasible across a broad spectrum of user and mission scenarios. Purchase equipment and conduct pilot testing for Radio Frequency Identification (RFID). (FY10-11) Continue to refine design and incorporate new material/technology that pertains to form, fit, and function of the load bearing equipment. Continue to serve the Airborne community by developing equipment that is tailorable to Airborne operations. Purchase Advanced Ram Air Parachute test items and conduct developmental testing and operational testing. Continue to certify lights for the Approved Family of Flashlight List (AFFL) Certification Program.		1.996	2.298	2.405	0.000	2.405

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010		
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B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #4  Soldier Cooling: (FY11) Continue to enhance system performance and reliability. Continue to design for improved comfort, decreased weight/cube and improved power management.  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO	0.000	0.000	0.400	0.000	0.400
Program #5	0.000	4.000	0.000	0.000	0.000

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B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Misalignment of Congressional Add for Composite Bottles. Funding should be shown under project S61  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO					
Program #6  Small Business Innovative Research/Small Business Technology Transfer Programs  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO	0.431	0.000	0.000	0.000	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Army							<b>DATE:</b> February 2010				
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>			<b>PROJECT</b> S60: <i>CLOTHING &amp; EQUIPMENT</i>					
<b><u>B. Accomplishments/Planned Program (\$ in Millions)</u></b>											
						<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>	
Accomplishments/Planned Programs Subtotals						18.636	15.273	9.711	0.000	9.711	
<b><u>C. Other Program Funding Summary (\$ in Millions)</u></b>											
<b><u>Line Item</u></b>	<b><u>FY 2009</u></b>	<b><u>FY 2010</u></b>	<b><u>FY 2011 Base</u></b>	<b><u>FY 2011 OCO</u></b>	<b><u>FY 2011 Total</u></b>	<b><u>FY 2012</u></b>	<b><u>FY 2013</u></b>	<b><u>FY 2014</u></b>	<b><u>FY 2015</u></b>	<b><u>Cost To Complete</u></b>	<b><u>Total Cost</u></b>
• Ord. #1: <i>RDTE, 0603827.S53, Clothing and Equipment</i>	11.674	8.145	7.106	0.000	7.106	6.572	6.648	6.867	6.945	Continuing	Continuing
• Ord. #2: <i>OMA, 121017, Central Funding and Fielding</i>	94.076	70.305	71.664	0.000	71.664	75.371	79.178	78.685	80.828	Continuing	Continuing
• Ord. #3: <i>OPA, MA7801, Advanced Tactical Parachute System</i>	40.941	39.066	41.591	0.000	41.591	46.598	45.430	45.651	46.614	Continuing	Continuing
<b><u>D. Acquisition Strategy</u></b>											
Acquisition strategies will vary in methods: (1) Quick fixes in 12-24 months or less from concept to Type Classification (TC), (2) modernization improvements which require limited RD&E and will be completed in more than 24-48 months from inception to Type Classification, and (3) fully integrated development that will require substantial RDT&E funding and will be completed in four years or more.											
<b><u>E. Performance Metrics</u></b>											
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.											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S60: <i>CLOTHING &amp; EQUIPMENT</i>					
 <b>Product Development (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Various	C	Natick Soldier Center Natick, MA	6.100	1.070		1.391		0.000		1.391	Continuing	Continuing	0
Various - 2	C	Various Location could not be determined.	8.249	8.998		3.500		0.000		3.500	Continuing	Continuing	0
<b>Subtotal</b>			14.349	10.068		4.891		0.000		4.891			0.000
<b>Remarks</b>													
 <b>Support (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Misc Support Costs	C	Various Location could not be determined.	5.529	2.145		2.050		0.000		2.050	Continuing	Continuing	0
<b>Subtotal</b>			5.529	2.145		2.050		0.000		2.050			0.000
<b>Remarks</b>													

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S60: <i>CLOTHING &amp; EQUIPMENT</i>					
<b>Test and Evaluation (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Various	C	Various Location could not be determined.	3.821	2.060		1.870		0.000		1.870	Continuing	Continuing	0
<b>Subtotal</b>			3.821	2.060		1.870		0.000		1.870			0.000
<b>Remarks</b>													
<b>Management Services (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
In-House Support	C	PM Ft Belvoir VA	2.357	1.000		0.900		0.000		0.900	Continuing	Continuing	0
<b>Subtotal</b>			2.357	1.000		0.900		0.000		0.900			0.000
<b>Remarks</b>													
			<b>Total Prior Years Cost</b>	<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			26.056	15.273		9.711		0.000		9.711			0.000
<b>Remarks</b>													

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army																		DATE: February 2010							
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)										R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons										PROJECT S60: CLOTHING & EQUIPMENT					

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army																				DATE: February 2010									
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	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				
	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	
Integrate/Test Spiral II NDTE Software Upgrades & Transition to Production																													
Transition Spiral II to Production - 2																									#				
Transition 7.62 Helmet to Production								#																					
Evaluate/test Improved Non-Ballistic Impact Protection								#	#	#	#	#																	
Transition Soft Armor Upgrades to Production				#																									
Transition Hard Armor Upgrades to Production								#																					
A2CU P3I				#	#	#	#																						
Develop Hot Weather Variant (A2CU/ICVC				#	#	#	#	#	#	#	#																		
Transition Moisture Wicking FR T-Shirt to Production									#																				
Modular Boot Transition to Production												#																	
FR FHC Tech Insertion		#	#	#	#																								
FR FHC Material Evaluation						#	#																						
Improved ACS P3I (Conform to Plate Carriers)					#	#	#	#	#	#	#																		
ICVC Fabric Upgrades		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#										
FR Clothing Upgrades				#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#										
GEN IV Product Improvement	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
ATPS T-11 MS C		#																											
ATPS P3I																									#	#	#	#	

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army																		DATE: February 2010																	
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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army			DATE: February 2010	
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Schedule Details				
	Start		End	
Event	Quarter	Year	Quarter	Year
APEL Recertification	3	2009	1	2010
Recertify Combat Eyewear Protection (APEL)	1	2011	3	2011
APEL Recertification - 2	4	2011	4	2011
Recertify Combat Eyewear Protection (APEL) - 2	2	2013	3	2013
APEL Recertification - 3	3	2014	3	2014
Transition Laser Protective Eyewear to Production	4	2010	4	2011
Integrate/Test Spiral I Material Enhancements and Transition to Production	2	2011	3	2012
Transition Spiral I to Production	3	2012	3	2012
Integrate/Test Spiral II Material Enhancements and Transition to Production	2	2013	3	2014
Transition Spiral II to Production	3	2014	3	2014
Integrate/Test Spiral I Head Protection Enhancements & Transition to Production	2	2013	3	2014
Transition Spiral I to Production - 2	3	2014	3	2014
NDTE transition to production	1	2011	2	2011
Evaluate/test NDTE System/Softare Capability Upgrades	4	2009	3	2011
Integrate/Test Spiral I NDTE Software Upgrades & Transition to Production	2	2012	3	2013
Transition Spiral I to Production - 3	3	2013	3	2013
Integrate/Test Spiral II NDTE Software Upgrades & Transition to Production	4	2013	1	2015
Transition Spiral II to Production - 2	1	2015	1	2015

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2011 Army			<b>DATE:</b> February 2010	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>		<b>PROJECT</b> S60: <i>CLOTHING &amp; EQUIPMENT</i>
	<b>Start</b>		<b>End</b>	
<b>Event</b>	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
Transition 7.62 Helmet to Production	3	2010	3	2010
Evaluate/test Improved Non-Ballistic Impact Protection	3	2010	3	2011
Transition Soft Armor Upgrades to Production	4	2009	4	2009
Transition Hard Armor Upgrades to Production	3	2010	3	2010
A2CU P3I	4	2009	3	2010
Develop Hot Weather Variant (A2CU/ICVC	4	2009	3	2011
Transition Moisture Wicking FR T-Shirt to Production	1	2011	1	2011
Modular Boot Transition to Production	3	2011	3	2011
FR FHC Tech Insertion	2	2009	1	2010
FR FHC Material Evaluation	2	2010	3	2010
Improved ACS P3I (Conform to Plate Carriers)	1	2010	3	2011
ICVC Fabric Upgrades	2	2009	3	2013
FR Clothing Upgrades	4	2009	3	2013
GEN IV Product Improvement	1	2009	3	2015
ATPS T-11 MS C	2	2009	2	2009
ATPS P3I	4	2014	3	2015
ARAPS Development and Testing	4	2009	4	2012
Navigational Aid DV/DT	3	2010	3	2011
MOLLE Upgrades	4	2009	2	2014
Cold Weather Stove trans to production	3	2010	3	2010

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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army			DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S60: CLOTHING & EQUIPMENT	
	Start		End	
Event	Quarter	Year	Quarter	Year
Spiral II	2	2009	3	2009
Individual Water Treatment Device DT/OT	3	2009	2	2012
Increment I - NEPHS	3	2009	3	2009
Increment I - IWTD	1	2012	2	2012
Increment II - NEPHS - Refill in a Field Environment	2	2011	1	2012
IWTD (Increment 1) EMD	1	2010	2	2010
NBC Hydration (Incremenet III)	2	2012	3	2014
IWTD (Increment II)	2	2013	3	2014
Ruck Sack for Airborne DPS Improvements	1	2010	1	2011
Flashlights - AFFL Certification	3	2010	3	2011
FR Glove APL Certification	4	2010	4	2011
Navigational Aid DT/OT	3	2010	3	2011
Soldier Cooling DT/OT	4	2011	1	2012
Transition Soldier Cooling to Production	2	2012	2	2012

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Army								<b>DATE:</b> February 2010			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S61: <i>ACIS ENGINEERING DEVELOPMENT</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2009 Actual</b>	<b>FY 2010 Estimate</b>	<b>FY 2011 Base Estimate</b>	<b>FY 2011 OCO Estimate</b>	<b>FY 2011 Total Estimate</b>	<b>FY 2012 Estimate</b>	<b>FY 2013 Estimate</b>	<b>FY 2014 Estimate</b>	<b>FY 2015 Estimate</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
S61: <i>ACIS ENGINEERING DEVELOPMENT</i>	12.988	10.458	10.295	0.000	10.295	13.917	14.146	14.402	14.635	Continuing	Continuing
Quantity of RDT&E Articles											
<b>A. Mission Description and Budget Item Justification</b> <p>This project conducts Engineering Development programs to enhance the warfighting effectiveness of aircrews on Army fixed and rotary-winged aircraft through improved endurance, force protection, and situational awareness/understanding. These programs include Air Soldier System and equipment which are unique and necessary for the improved performance of Army aircrews conducting full spectrum operations in the future integrated battlefield. The Air Soldier program will use the Soldier-as-a-System model to provide a fully integrated ensemble. Improved endurance is achieved through the pursuit of lighter weight materials and integrated components that reduce weight and bulk. Innovations in miniaturized electronics contribute to this key objective. Enhancements in ballistic, impact, directed energy protection, as well as fire resistant materials will contribute to soldier force protection. Systems that improve awareness and understanding of both the tactical environment and aircraft systems will increase the efficiency and effectiveness of the aircrew in addition to contributing to their lethality in combat. The encrypted Aircraft Wireless Intercom System (AWIS) will provide a hands-free telecommunication device to allow aircrew to communicate via intercom without the use of communication cords, thereby eliminating a safety hazard for aircrew operating in the rear of the aircraft. Air Soldier will enhance and maximize mission performance, comfort, safety, and survivability of aircrews. These funds resource improved laser eye protection and helmets to improve performance and increased commonality. Maximum advantage will be taken of simulation to reduce program technical risk through early user evaluation and to reduce program design and test cost and schedules. This program does not duplicate any aircraft platform program efforts. Both joint and service independent efforts continue to be pursued under the scope of this program. Within this Project, FY 2009 funding was included for the development of the Personnel Recovery Support Equipment (PRSE) support program. FY 2010 and later funding for PRSE development will be provided in the RDTE Project of S70, Personnel Recovery Support System within this same Program Element of 0604601A, Infantry Support Weapons.</p>											
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>											
						<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>	
Program #1						4.189	10.176	10.295	0.000	10.295	
Funding in FY 2009 and FY 2010 continues integration of preplanned Air Warrior Increment III including AWIS encryption certification. Funding in FY 2010 and 2011 will be utilized for EDM Software development and Air Soldier improvements.											

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons	PROJECT S61: ACIS ENGINEERING DEVELOPMENT			
B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #2 Development of Personnel Recovery Support Equipment (PRSE)	6.799	0.000	0.000	0.000	0.000
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #3	2.000	0.000	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S61: ACIS ENGINEERING DEVELOPMENT				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Congressional Add of \$4M in FY10 for Composite Bottles for Survival Egress Air was misaligned and requires reprogramming to this line from 654601 S60 Clothing and Equipment Engineering Development.  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO								
Program #4  Economic Assumption, FFRDC and Small Business Innovative Research/Small Business Technology Transfer Programs  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base				0.000	0.282	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons			PROJECT S61: ACIS ENGINEERING DEVELOPMENT				
B. Accomplishments/Planned Program (\$ in Millions)											
							FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 OCO Plans: FY 2011 OCO											
Accomplishments/Planned Programs Subtotals							12.988	10.458	10.295	0.000	10.295
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• Ord. #1: RDTE, A PE 0603827A, PROJ S51 - Adv Dev	1.301	0.137	0.141	0.000	0.141	0.145	0.148	0.152	0.155	Continuing	Continuing
• Ord. #2: Aircraft Procurement, Army SSN AZ3110 - ACIS	48.149	61.572	52.423	0.000	52.423	85.030	80.974	88.329	62.945	Continuing	Continuing
D. Acquisition Strategy											
System Development and Demonstration efforts for the Air Warrior program include the Air Warrior Aircraft Wireless Intercom System (AWIS) and Air Soldier System. The AWIS is a hands-free telecommunication device using radio signals for aircrew communication. The Air Soldier System program integrates capabilities including a fully compliant Modular Integrated Helmet and Display System (MIHDS), Chemical, Biological (CB) waste disposal system and reduced weight and bulk. The MIHDS will provide a day heads up display, external audio, don in flight CB protection and improved laser eye protection. Development efforts are awarded through competitive cost plus fixed fee contracts or by Military Interdepartmental Purchase Requests (MIPRs) to other government agencies.											
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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army										DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons					PROJECT S61: ACIS ENGINEERING DEVELOPMENT	

**Product Development (\$ in Millions)**

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
Air Warrior and Air Soldier Development	C/CPFF	Various Location could not be determined.	7.918	9.644		9.740		0.000		9.740	Continuing	Continuing	0
Personnel Recovery Support Equipment Development	C	Various Location could not be determined.	24.042	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Congressional Add, Composite Bottles for Survival Egress Air	C/TBD	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.000		0.000		0.000		0.000	Continuing	Continuing	0
<b>Subtotal</b>			31.960	9.644		9.740		0.000		9.740			0.000

**Remarks**

**Support (\$ in Millions)**

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
Matrix Support	C	Various Government Location could not be determined.	0.096	0.376		0.251		0.000		0.251	0	.761	0
<b>Subtotal</b>			0.096	0.376		0.251		0.000		0.251	0.000	0.761	0.000

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S61: <i>ACIS ENGINEERING DEVELOPMENT</i>					
<b>Support (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Remarks</b>													
<b>Test and Evaluation (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Developmental Testing	C	Various Location could not be determined.	0.077	0.079		0.056		0.000		0.056	0	.316	0
<b>Subtotal</b>			0.077	0.079		0.056		0.000		0.056	0.000	0.316	0.000
<b>Remarks</b>													
<b>Management Services (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
PM Administration	C	Various Government	0.408	0.359		0.248		0.000		0.248	0	1.144	0

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S61: <i>ACIS ENGINEERING DEVELOPMENT</i>					
<b>Management Services (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
		Location could not be determined.											
<b>Subtotal</b>			0.408	0.359		0.248		0.000		0.248	0.000	1.144	0.000
<b>Remarks</b>													
			<b>Total Prior Years Cost</b>	<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			32.541	10.458		10.295		0.000		10.295			0.000
<b>Remarks</b>													

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2011 Army		<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>	<b>PROJECT</b> S61: <i>ACIS ENGINEERING DEVELOPMENT</i>

	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	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
Air Soldier System Development and Demonstration and Qualification Testing							#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Electronic Data Manager (EDM) Software				#	#	#	#																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604601A: <i>Infantry Support Weapons</i>	PROJECT S61: <i>ACIS ENGINEERING DEVELOPMENT</i>	

Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
Air Soldier System Development and Demonstration and Qualification Testing	3	2010	3	2015
Electronic Data Manager (EDM) Software	4	2009	3	2010

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons				PROJECT S62: Counter-Defilade Target Engagement - SDD			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
S62: Counter-Defilade Target Engagement - SDD	0.000	21.751	34.416	0.000	34.416	10.237	0.605	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The XM25, Individual Airburst Weapon System (IAWS) delivers a 25mm programmable high explosive airburst (HEAB) round to explode near or directly on target to significantly increase hit probability to defeat defilade and point area targets out to approximately 600 meters. The IAWS includes an integrated, multifunctional, all environment, full-solution target acquisition/fire control system. Independent analysis expects a 600% increase to down range effectiveness. The technology provides the Soldier a leap-ahead capability to defeat defilade targets while significantly reducing collateral damage without the use of a mortar, artillery, or air-to-surface weapon systems. The IAWS has been identified by the U.S. Army Infantry Center's (USAIC) Joint Capabilities Integration and Development System (JCIDS) analysis as the number one materiel approach to mitigate the Counter Defilade Target Engagement (CDTE) gap (accurate and lethal engagement of defilade at squad level).											
B. Accomplishments/Planned Program (\$ in Millions)											
							FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1							0.000	9.578	18.967	0.000	18.967
Design, Develop and Fabricate -											
FY 2009 Accomplishments:											
FY 2009											
FY 2010 Plans:											
FY 2010											
FY 2011 Base Plans:											
FY 2011 Base											

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010			
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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 OCO Plans: FY 2011 OCO						
Program #2 Engineering and Training Development -  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO		0.000	1.364	2.530	0.000	2.530
Program #3 Development Test and Evaluation -  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010		0.000	9.200	11.889	0.000	11.889

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S62: Counter-Defilade Target Engagement - SDD				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								
Program #4  Program Management -  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO				0.000	1.000	1.030	0.000	1.030
Program #5  Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR) Programs  FY 2009 Accomplishments: FY 2009				0.000	0.609	0.000	0.000	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Army										<b>DATE:</b> February 2010	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S62: <i>Counter-Defilade Target Engagement - SDD</i>			
<b><u>B. Accomplishments/Planned Program (\$ in Millions)</u></b>											
						<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>	
<i>FY 2010 Plans:</i> FY 2010  <i>FY 2011 Base Plans:</i> FY 2011 Base  <i>FY 2011 OCO Plans:</i> FY 2011 OCO											
Accomplishments/Planned Programs Subtotals						0.000	21.751	34.416	0.000	34.416	
<b><u>C. Other Program Funding Summary (\$ in Millions)</u></b>											
<b><u>Line Item</u></b>	<b><u>FY 2009</u></b>	<b><u>FY 2010</u></b>	<b><u>FY 2011 Base</u></b>	<b><u>FY 2011 OCO</u></b>	<b><u>FY 2011 Total</u></b>	<b><u>FY 2012</u></b>	<b><u>FY 2013</u></b>	<b><u>FY 2014</u></b>	<b><u>FY 2015</u></b>	<b><u>Cost To Complete</u></b>	<b><u>Total Cost</u></b>
• Ord. #1: <i>RDTE: PE 0603827A, Project S55</i>	5.382	2.586	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	7.968
• Ord. #2: <i>WTCV: G16100</i>	0.000	0.000	0.000	0.000	0.000	42.005	46.841	62.049	94.072	0	244.967
<b><u>D. Acquisition Strategy</u></b>											
The XM25 IAWS will transition from the Technology and Development phase to Engineering and Manufacturing Development (EMD) phase by achieving Milestone B in 3Q FY2010. The EMD phase will complete development of the XM25 IAWS and verify training solution for the Milestone C approval in FY 2012. Research and Development acquisition strategy is to use sole source contracting with ATK, Plymouth, MN.											
<b><u>E. Performance Metrics</u></b>											
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.											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S62: <i>Counter-Defilade Target Engagement - SDD</i>					
<b>Product Development (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Design, Develop & Fabricate	C/CPFF	ATK Minneapolis MN	0.000	10.187		18.967		0.000		18.967	Continuing	Continuing	0
<b>Subtotal</b>			0.000	10.187		18.967		0.000		18.967			0.000
<b>Remarks</b> The XM25 IAWS contract award is subject to the Joint Requirements Oversight Council (JROC) approval of the Capability Development Document (CDD).													
<b>Support (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Engineering Support	C	Multiple Location could not be determined.	0.000	1.114		2.330		0.000		2.330	Continuing	Continuing	0
Training Development Support	C	PEO STRI Location could not be determined.	0.000	0.250		0.200		0.000		0.200	Continuing	Continuing	0
<b>Subtotal</b>			0.000	1.364		2.530		0.000		2.530			0.000
<b>Remarks</b>													

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S62: <i>Counter-Defilade Target Engagement - SDD</i>					
<b>Test and Evaluation (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Development Test (Government)	C	Various Location could not be determined.	0.000	9.200		11.889		0.000		11.889	Continuing	Continuing	0
<b>Subtotal</b>			0.000	9.200		11.889		0.000		11.889			0.000
<b>Remarks</b>													
<b>Management Services (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management	C	PM Soldier Weapons Picatinny Arsenal NJ	0.000	1.000		1.030		0.000		1.030	Continuing	Continuing	0
<b>Subtotal</b>			0.000	1.000		1.030		0.000		1.030			0.000
<b>Remarks</b>													
			<b>Total Prior Years Cost</b>	<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			0.000	21.751		34.416		0.000		34.416			0.000

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army							DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)			R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons			PROJECT S62: Counter-Defilade Target Engagement - SDD			
	Total Prior Years Cost	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks									

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2011 Army		<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>	<b>PROJECT</b> S62: <i>Counter-Defilade Target Engagement - SDD</i>

	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	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
MS B						#																						
Design, Develop & Fabricate							#	#	#	#																		
Development Tests & Evaluation							#	#	#	#	#	#																
MS C/Type Classification-Low Rate Initial Production														#														
Production Qualification Test (PQT)														#	#													
Initial Operational Test & Evaluation (IOT&E)															#	#	#											
Low Rate Initial Production (LRIP)														#	#	#	#	#	#	#								
Type Classification - Standard																				#								

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2011 Army			<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>	<b>PROJECT</b> S62: <i>Counter-Defilade Target Engagement - SDD</i>	

Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
MS B	2	2010	2	2010
Design, Develop & Fabricate	3	2010	2	2011
Development Tests & Evaluation	3	2010	1	2012
MS C/Type Classification-Low Rate Initial Production	2	2012	2	2012
Production Qualification Test (PQT)	2	2012	3	2012
Initial Operational Test & Evaluation (IOT&E)	3	2012	1	2013
Low Rate Initial Production (LRIP)	2	2012	4	2013
Type Classification - Standard	1	2014	1	2014

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Army								<b>DATE:</b> February 2010			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S63: <i>SMALL ARMS IMPROVEMENT</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2009 Actual</b>	<b>FY 2010 Estimate</b>	<b>FY 2011 Base Estimate</b>	<b>FY 2011 OCO Estimate</b>	<b>FY 2011 Total Estimate</b>	<b>FY 2012 Estimate</b>	<b>FY 2013 Estimate</b>	<b>FY 2014 Estimate</b>	<b>FY 2015 Estimate</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
S63: <i>SMALL ARMS IMPROVEMENT</i>	5.787	27.559	19.805	0.000	19.805	18.231	14.404	14.481	14.438	Continuing	Continuing
Quantity of RDT&E Articles											
<b>A. Mission Description and Budget Item Justification</b> <p>The Small Arms Improvement program funds Engineering and Manufacturing Development (EMD) of engineering models/studies and the integration of commercial items with weapons/ammunition. Small arms include individual and crew-served weapons/ammunition ranging up to 40 millimeter. Current and future efforts focus on improvements designed to enhance lethality, target acquisition, fire control, training effectiveness, and reliability of small arms weapons/ammunition. Focus areas include the demonstration, integration and study of light weight materials, coatings, concealants, scouting, observation, lethal and non-lethal ammunition, and equipment. Benefits include improvements to fire control equipment, optics, training devices, component mounts, weapon mounts, suppressors, magazines, and ammunition. In accordance with congressional language and the Secretary of the Army's direction, the Army initiated a new start individual weapon in FY10. The new carbine will provide the Soldier with an enhanced weapons capability and will be competed utilizing a best value, full and open competition to meet operational requirements. The requirement for the new individual carbine is being coordinated with other joint services to equip the warfighter with an accurate, reliable, Soldier-centric basic weapon capability which will be evaluated against current and emerging threats and incorporates technology advancements in the small arms industry mitigating capability gaps and shortcomings in currently fielded carbines. New starts in FY2011 consists of Personnel Defense Weapon, 30 Round 5.56mm Magazine, Modular Handgun and Precision Sniper Rifle. The Improved Weapons Coating transitions from 0603827A in FY2011.</p>											
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>											
						<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>	
Program #1						0.000	0.000	0.000	0.000	0.000	
New Weapons											
<i>FY 2009 Accomplishments:</i>											
FY 2009											
<i>FY 2010 Plans:</i>											
FY 2010											

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S63: SMALL ARMS IMPROVEMENT				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								
Program #2  Design, Development and Engineering				0.000	3.185	3.363	0.000	3.363
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								
Program #3  - Prototype Fabrication				0.000	2.087	1.950	0.000	1.950
FY 2009 Accomplishments: FY 2009								

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B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								
Program #4  - Testing and Evaluation				0.000	2.998	3.485	0.000	3.485
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								
FY 2011 Base Plans: FY 2011 Base								
FY 2011 OCO Plans: FY 2011 OCO								
Program #5  - Demonstration				0.000	0.920	0.350	0.000	0.350

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons	PROJECT S63: SMALL ARMS IMPROVEMENT			
B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #6  Small Arms Weapons Enhancements	0.000	0.000	0.000	0.000	0.000
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #7	1.584	3.527	1.267	0.000	1.267

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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
- Design, Development and Engineering  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO						
Program #8  - Prototype Fabrication  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO		1.428	0.290	0.830	0.000	0.830

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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #9		1.310	6.283	3.700	0.000	3.700
- Testing and Evaluation						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #10		0.450	0.225	0.300	0.000	0.300
- Demonstration						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010		
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B. Accomplishments/Planned Program (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #11	0.000	0.000	0.000	0.000	0.000
Ammunition					
FY 2009 Accomplishments:					
FY 2009					
FY 2010 Plans:					
FY 2010					
FY 2011 Base Plans:					
FY 2011 Base					
FY 2011 OCO Plans:					
FY 2011 OCO					
Program #12	0.335	1.664	1.310	0.000	1.310
- Design, Development and Engineering					
FY 2009 Accomplishments:					
FY 2009					
FY 2010 Plans:					
FY 2010					
FY 2011 Base Plans:					
FY 2011 Base					
FY 2011 OCO Plans:					
FY 2011 OCO					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010		
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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #13		0.200	1.480	1.105	0.000	1.105
-       Prototype Fabrication						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #14		0.430	0.492	0.750	0.000	0.750
-       Testing and Evaluation						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S63: SMALL ARMS IMPROVEMENT		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #15		0.050	0.000	0.200	0.000	0.200
Demonstration						
FY 2009 Accomplishments:						
FY 2009						
FY 2010 Plans:						
FY 2010						
FY 2011 Base Plans:						
FY 2011 Base						
FY 2011 OCO Plans:						
FY 2011 OCO						
Program #16		0.000	0.000	0.000	0.000	0.000
Fire Control						
FY 2009 Accomplishments:						
FY 2009						
FY 2010 Plans:						
FY 2010						
FY 2011 Base Plans:						
FY 2011 Base						
FY 2011 OCO Plans:						
FY 2011 OCO						

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S63: SMALL ARMS IMPROVEMENT		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #17		0.000	0.257	0.650	0.000	0.650
- Design, Development and Engineering						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						
Program #18		0.000	0.180	0.355	0.000	0.355
Prototype Fabrication						
FY 2009 Accomplishments: FY 2009						
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base						
FY 2011 OCO Plans: FY 2011 OCO						

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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #19		0.000	0.230	0.190	0.000	0.190
Testing and Evaluation						
FY 2009 Accomplishments:						
FY 2009						
FY 2010 Plans:						
FY 2010						
FY 2011 Base Plans:						
FY 2011 Base						
FY 2011 OCO Plans:						
FY 2011 OCO						
Program #20		0.000	0.541	0.000	0.000	0.000
Small Business Innovative Research/Small Business Technology Transfer Programs						
FY 2009 Accomplishments:						
FY 2009						
FY 2010 Plans:						
FY 2010						
FY 2011 Base Plans:						
FY 2011 Base						
FY 2011 OCO Plans:						
FY 2011 OCO						

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army									DATE: February 2010		
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B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
Program #21						0.000	3.200	0.000	0.000	0.000	
Increase of \$3.2 million for ACSW Lt Wt 50 Caliber incorrectly placed on S63											
FY 2009 Accomplishments: FY 2009											
FY 2010 Plans: FY 2010											
FY 2011 Base Plans: FY 2011 Base											
FY 2011 OCO Plans: FY 2011 OCO											
Accomplishments/Planned Programs Subtotals						5.787	27.559	19.805	0.000	19.805	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• Ord. #1: WTCV, GZ1290, Squad Automatic Weapon (SAW) MODS	11.067	28.709	5.922	0.000	5.922	4.960	4.950	5.055	5.108	Continuing	Continuing
• Ord. #2: WTCV, GZ2800, M16 Rifle MODS	1.178	4.173	3.855	0.000	3.855	3.484	3.274	3.260	3.251	Continuing	Continuing
• Ord. #3: WTCV, GB3000, MK19 MODS	7.631	8.139	4.286	0.000	4.286	3.543	0.000	0.000	0.000	Continuing	Continuing
• Ord. #4: WTCV, GZ1300, M240 Medium Machine Gun MODS	17.066	22.709	15.852	0.000	15.852	15.759	6.743	4.680	4.643	Continuing	Continuing
	16.746	31.375	14.044	12.900	26.944	13.158	12.641	13.145	13.382	Continuing	Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons				PROJECT S63: SMALL ARMS IMPROVEMENT			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• Ord. #5: WTCV, GB3007, M4 Carbine MODS											
• Ord. #6: WTCV, GB4000, M2 Machine Gun MODS	0.000	35.314	0.000	15.000	15.000	14.895	0.000	0.000	0.000	Continuing	Continuing
D. Acquisition Strategy											
Primary strategy is to mature and finalize design efforts, award RDT&E hardware contracts, and test and evaluate systems that will result in type classification and follow-on production contract awards.											
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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army											DATE: February 2010			
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Product Development (\$ in Millions)														
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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	
Hardware Development	C/TBD	Various Location could not be determined.	2.158	4.078		4.240		0.000		4.240	Continuing	Continuing	0	
Subtotal			2.158	4.078		4.240		0.000		4.240			0.000	
Remarks														
Support (\$ in Millions)														
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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	
Development	C	RDECOM - ARDEC Picatinny Arsenal, NJ	6.354	7.682		4.951		0.000		4.951	Continuing	Continuing	0	
Logistics	C	TACOM Rock Island Arsenal, IL	0.340	0.617		0.630		0.000		0.630	Continuing	Continuing	0	
Human Research and Eng Directorate	C	Aberdeen Proving Ground (APG) MD	0.740	0.520		0.485		0.000		0.485	Continuing	Continuing	0	
S3.2 Million for ACSW 50 Caliber incorrectly placed on S63	C	Nothing entered for Activity and Location.	0.000	3.200		0.000		0.000		0.000	Continuing	Continuing	0	

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S63: <i>SMALL ARMS IMPROVEMENT</i>					
<b>Support (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
		Location could not be determined.											
<b>Subtotal</b>			7.434	12.019		6.066		0.000		6.066			0.000
<b>Remarks</b>													
<b>Test and Evaluation (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Developmental Testing	C	Developmental Test Command (DTC) Aberdeen Proving Ground (APG), MD	2.926	6.127		5.704		0.000		5.704	Continuing	Continuing	0
Operational Testing	C	Army Test and Evaluation Command (ATEC) Alexandria, VA	1.689	3.240		2.175		0.000		2.175	Continuing	Continuing	0
Validation Testing	C	Developmental Test Command (DTC) Aberdeen Proving Ground (APG), MD	3.442	1.062		0.560		0.000		0.560	Continuing	Continuing	0
<b>Subtotal</b>			8.057	10.429		8.439		0.000		8.439			0.000

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S63: <i>SMALL ARMS IMPROVEMENT</i>					
<b>Test and Evaluation (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<u>Remarks</u>													
<b>Management Services (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management	C	PM Soldier Weapons Picatinny Arsenal, NJ	1.537	0.940		0.880		0.000		0.880	Continuing	Continuing	0
Travel	C	PM Soldier Weapons Picatinny Arsenal, NJ	0.210	0.238		0.180		0.000		0.180	Continuing	Continuing	0
<b>Subtotal</b>			1.747	1.178		1.060		0.000		1.060			0.000
<u>Remarks</u>													
			<b>Total Prior Years Cost</b>	<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			19.396	27.704		19.805		0.000		19.805			0.000

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army							DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>			R-1 ITEM NOMENCLATURE PE 0604601A: <i>Infantry Support Weapons</i>			PROJECT S63: <i>SMALL ARMS IMPROVEMENT</i>			
	Total Prior Years Cost	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks									

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army																								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)												R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons												PROJECT S63: SMALL ARMS IMPROVEMENT			

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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army			DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons	PROJECT S63: SMALL ARMS IMPROVEMENT		
Schedule Details				
	Start		End	
Event	Quarter	Year	Quarter	Year
Carbine Competition	4	2009	3	2013
Personal Defense Weapon	4	2010	3	2013
Modular Handgun	4	2010	3	2012
Precision Sniper Rifle	4	2010	3	2014
Light Weight Machine Gun	4	2013	3	2015
MS C	3	2010	3	2010
Improved Weapons Coating	4	2010	3	2013
30 Round 5.56mm Magazine	4	2010	3	2011
Improved Counter Defilade Fuze	4	2010	3	2011
Micro Mechanical S&A	4	2009	3	2012
Light Weight Small Caliber Ammo	4	2009	3	2010
XM1112 40MM Airburst Non-Lethal	4	2009	3	2011
Integrated Fire Control for Small Arms	4	2012	3	2015

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Army								<b>DATE:</b> February 2010			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S70: <i>PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2009 Actual</b>	<b>FY 2010 Estimate</b>	<b>FY 2011 Base Estimate</b>	<b>FY 2011 OCO Estimate</b>	<b>FY 2011 Total Estimate</b>	<b>FY 2012 Estimate</b>	<b>FY 2013 Estimate</b>	<b>FY 2014 Estimate</b>	<b>FY 2015 Estimate</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
S70: <i>PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)</i>	0.000	1.314	1.260	0.000	1.260	1.073	1.079	1.151	1.133	Continuing	Continuing
Quantity of RDT&E Articles											
<b><u>A. Mission Description and Budget Item Justification</u></b> This project provides system research, development, and testing of the Personnel Recovery Support System/Personnel Recovery Support Equipment (PRSE) that supports operations to report and locate isolated, missing, detained or captured soldiers. The current PRSE program consists of the development of personnel recovery equipment and the research, development, and test of upgrades to system components in order to enhance and increase system performance and ensure continued successful interoperability within the relevant theaters of operation. FY 2009 and prior year RDTE funding was provided in the RDTE Project of S61, Aircrew Integrated Systems (ACIS) Engineering Development within the PE of 0604601A, Infantry Support Weapons. This project is established to separately manage and account for Personnel Recovery Support development from Aircrew Integrated Systems.											
<b><u>B. Accomplishments/Planned Program (\$ in Millions)</u></b>											
							<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
Program #1							0.000	1.314	1.216	0.000	1.216
Development of Personnel Recovery Support System(PRSS)/Personnel Recovery Support Equipment (PRSE)											
<i>FY 2009 Accomplishments:</i> FY 2009											
<i>FY 2010 Plans:</i> FY 2010											
<i>FY 2011 Base Plans:</i> FY 2011 Base											

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons				PROJECT S70: PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)			
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
FY 2011 OCO Plans: FY 2011 OCO											
Program #2  Economic Assumption, FFRDC and Small Business Innovative Research/Small Business Technology Transfer Programs  FY 2009 Accomplishments: FY 2009  FY 2010 Plans: FY 2010  FY 2011 Base Plans: FY 2011 Base  FY 2011 OCO Plans: FY 2011 OCO						0.000	0.000	0.044	0.000	0.044	
Accomplishments/Planned Programs Subtotals						0.000	1.314	1.260	0.000	1.260	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• Ord. #1: Other Procurement, Army, SSN G01101 - Personnel Recovery Support System (PRSS)	0.000	6.959	7.813	0.000	7.813	8.643	8.206	8.423	8.687	0	48.731
	0.000	61.572	52.423	0.000	52.423	85.030	80.974	88.329	62.945	0	431.273

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Army							DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)			R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons			PROJECT S70: PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)					
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• Ord. #2: Aircraft Procurement, Army SSN AZ3110 - ACIS, includes funding of PRSE aircraft mods											
D. Acquisition Strategy											
The Personnel Recovery Support System/Personnel Recovery Support Equipment (PRSE) program development effort provides integration and optimization of personnel recovery systems performance support equipment being executed through cost plus fixed fee contracts and Military Interdepartmental Purchase Requests to other governmental agencies.											
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.											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Army</b>											<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604601A: <i>Infantry Support Weapons</i>				<b>PROJECT</b> S70: <i>PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)</i>					
<b>Product Development (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Personnel Recovery Support Equipment Development	C	Various Location could not be determined.	0.000	0.714		0.660		0.000		0.660	Continuing	Continuing	0
<b>Subtotal</b>			0.000	0.714		0.660		0.000		0.660			0.000
<b>Remarks</b>													
<b>Support (\$ in Millions)</b>													
				<b>FY 2010</b>		<b>FY 2011 Base</b>		<b>FY 2011 OCO</b>		<b>FY 2011 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Matrix Support	C	Various Government Location could not be determined.	0.000	0.213		0.213		0.000		0.213	Continuing	Continuing	0
<b>Subtotal</b>			0.000	0.213		0.213		0.000		0.213			0.000
<b>Remarks</b>													

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army											DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons				PROJECT S70: PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)						
Test and Evaluation (\$ in Millions)														
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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	
Developmental Testing	C	Various Location could not be determined.	0.000	0.225		0.225		0.000		0.225	Continuing	Continuing	0	
Subtotal			0.000	0.225		0.225		0.000		0.225			0.000	
Remarks														
Management Services (\$ in Millions)														
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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	
PM Adminstration	C	Various Government Location could not be determined.	0.000	0.162		0.162		0.000		0.162	Continuing	Continuing	0	
Subtotal			0.000	0.162		0.162		0.000		0.162			0.000	
Remarks														
			Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			0.000	1.314		1.260		0.000		1.260			0.000	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army							DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)			R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons			PROJECT S70: PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)			
	Total Prior Years Cost	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks									

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**Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army**

**DATE:** February 2010

**APPROPRIATION/BUDGET ACTIVITY**

2040: *Research, Development, Test & Evaluation, Army*  
BA 5: *Development & Demonstration (SDD)*

## R-1 ITEM NOMENCLATURE

PE 0604601A: *Infantry Support Weapons*

## PROJECT

*S70: PERSONNEL RECOVERY SUPPORT  
SYSTEM (PRSS)*

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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army			DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604601A: Infantry Support Weapons		PROJECT S70: PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	
Schedule Details				
	Start		End	
Event	Quarter	Year	Quarter	Year
Personnel Recovery Support Equipment (PRSE) Development Oversight	4	2009	3	2015
PRSE Development	4	2009	3	2015
PRSE Prototypes	2	2010	2	2010
PRSE Integration	2	2010	1	2011
Block Upgrades & Adaptations to New Platforms	1	2011	3	2015

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