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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 United States Special Operations Command **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				PE 1160478BB: <i>Soldier Protection and Survival Systems</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	0.574	2.971	4.263	-	4.263	3.029	3.363	1.865	1.898	Continuing	Continuing
S385: <i>Soldier Protection and Survival Systems</i>	0.470	2.100	3.383	-	3.383	2.203	2.616	1.242	1.264	Continuing	Continuing
S385A: <i>Theater Body Armor and Associated Equipment</i>	0.104	0.871	0.880	-	0.880	0.826	0.747	0.623	0.634	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

This program element provides for development, testing, and integration of specialized equipment to meet the unique soldier protection and survival requirements of Special Operations Forces (SOF). Specialized equipment will improve survivability and mobility of SOF while conducting varied missions. These missions are generally conducted in harsh environments, for unspecified periods, and in locations requiring small unit autonomy. The National Defense Authorization Act of 2010 directed a separate project (S385A) be created for ballistic protection efforts within the existing program element.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
Previous President's Budget	0.593	2.971	3.191	-	3.191
Current President's Budget	0.574	2.971	4.263	-	4.263
Total Adjustments	-0.019	-	1.072	-	1.072
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.016	-			
• Congressional General Reductions	-0.003	-	-	-	-
• Reprogrammings	-	-	1.072	-	1.072

**Change Summary Explanation**

Funding:

FY 2011: Decrease of (-\$0.019 million) is due to an adjustment for the Small Business Innovative Research account (-\$0.016 million) and an economic assumption adjustment (-\$0.003 million).

FY 2012: No change.

**UNCLASSIFIED**

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 United States Special Operations Command		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 1160478BB: Soldier Protection and Survival Systems	
<p>FY 2013: Net increase of \$1.072 million is due to a reprogramming of \$1.021 million to support Counter-Improvised Explosive Device efforts and an economic assumption increase of \$0.051 million.</p> <p>Schedule: None.</p> <p>Technical: None.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2013 United States Special Operations Command									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 1160478BB: Soldier Protection and Survival Systems				PROJECT S385: Soldier Protection and Survival Systems			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
S385: Soldier Protection and Survival Systems	0.470	2.100	3.383	-	3.383	2.203	2.616	1.242	1.264	Continuing	Continuing
Quantity of RDT&E Articles											

## A. Mission Description and Budget Item Justification

- This project provides specialized equipment to meet the unique soldier protection and survival requirements of SOF to include: Army Rangers; Army Special Forces; Navy Sea, Air, Land (SEAL) teams; Navy Special Boat Units; Air Force Special Tactics Operators; and Marine Forces Special Operations Command. Specialized equipment improves survivability protection from the environment and load bearing equipment to improve the mobility of SOF while conducting varied missions. These missions are generally conducted in harsh environments, for unspecified periods and in locations requiring small unit autonomy.
- SOF Personal Equipment Advanced Requirements (SPEAR) program provides for the research, development, testing and evaluation of a variety of individual and survival equipment to include: ballistic and environmental protective systems, combat uniforms, load carriage systems, communications headsets, and visual augmentation system (VAS) mounts. NOTE: In compliance with the National Defense Authorization Act of 2010, resources to support ballistic protection efforts were moved from SPEAR to a separate project (S385A) beginning in FY 2012.
- Tactical Combat Casualty Care (TCCC) Casualty Evacuation (CASEVAC) Set provides the capability for the extraction, movement, sustainment and transportation of wounded. The set contains a variety of medical items and equipment approved by the Food and Drug Administration to include intraosseous infusion devices, patient monitoring and assessment devices, emergency airway kits, and devices that support patient management and en-route care capabilities for the far forward treatment of SOF casualties in remote and austere environments. Research, development, testing, and evaluation efforts will be aimed at maintaining the CASEVAC Set capabilities by performing equipment upgrades and additions as obsolescence surfaces and new and enhanced equipment becomes available. Product improvement and replacement will require: additional functional testing, air worthiness testing as applicable, miniaturization and /or hardening, and packaging enhancements.
- Counter-Improvised Explosive Device (C-IED) program provides SOF with the ability to counter current and future improvised explosive devices threats used by terrorist networks. NOTE: The C-IED efforts were conducted in the program element 1160408BB. The resources for these efforts were split beginning in FY2013 to support the SOF theater force requirements.

## B. Accomplishments/Planned Programs (\$ in Millions)

	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> SOF Personal Equipment Advanced Requirements (SPEAR)	-	2.100	2.350
<b>FY 2012 Plans:</b> Continues flame/heat characterization testing and increased thermal protective capabilities of the protective combat uniform and validation of pre-planned product improvements (P3I). Continues development of lightweight/high strength and water repellent materials for personal and load carriage equipment. Conducts investigating perceptual encapsulation and load effects on survivability and marksmanship. Investigates and initiates efforts to develop secure wireless link to Modular Integrated			

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Exhibit R-2A, RDT&E Project Justification: PB 2013 United States Special Operations Command										DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 1160478BB: Soldier Protection and Survival Systems				PROJECT S385: Soldier Protection and Survival Systems				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2011	FY 2012	FY 2013
Communications Helmet individual communications headsets to enhance operator mobility. Identifies lightweight power sources for extremity protection efforts.												
FY 2013 Plans: Provide continuation of profile refinement to support signature management, reactive fiber testing and material research for uniforms. Develops a solicitation for an advanced maritime communications system. Develop safety belt and lanyard testing, and testing of nano-coatings for water repellency for individual equipment. Continue on-going prototype testing and research on load effects for survivability and marksmanship.												
Title: Tactical Combat Casualty Care (TCCC)										0.470	-	-
FY 2011 Accomplishments: Provided test and evaluation on production demonstration models and airworthiness testing of electronic components in the TCCC CASEVAC Set.												
Title: Counter-Improvised Explosive Device (C-IED)										-	-	1.033
FY 2013 Plans: FY 2013 provides for NAG C-IED test support to include program management, market surveys, test article acquisition, test and evaluation, systems engineering, and internal contracting and finance for range activities.												
Accomplishments/Planned Programs Subtotals										0.470	2.100	3.383
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost	
• 0607SPSS: Soldier Protection and Survival Systems	5.630	37.862	14.961		14.961	15.284	12.636	12.850	13.081	Continuing	Continuing	
D. Acquisition Strategy												
• SPEAR - SPEAR primarily takes advantage of modified commercial off the shelf (COTS) or non-developmental items (NDI) through open competition. Majority of these SPEAR purchases are made with O&M.												
• TCCC - The TCCC CASEVAC takes advantage of COTS equipment and/or NDI. A Fixed Firm Price Indefinite Delivery/Indefinite Quantity contract was awarded in the 4th quarter of FY 2011. Beginning in FY 2012, procurement funding increased to support the purchase of the TCCC CASEVAC sets.												
• C-IED - Beginning in FY 2012, procurement funding increased to support the purchase of next generation electronic countermeasures force protection C-IED systems. In FY 2013, procurement funding begins acquiring force protection C-IED system jammers.												

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 United States Special Operations Command		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160478BB: <i>Soldier Protection and Survival Systems</i>	<b>PROJECT</b> S385: <i>Soldier Protection and Survival Systems</i>

**E. Performance Metrics**

N/A.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 United States Special Operations Command										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 1160478BB: Soldier Protection and Survival Systems				PROJECT S385: Soldier Protection and Survival Systems					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SPEAR MICH Land/Maritime Communication System	Various	PM-SSES:Natick, MA	-	0.350	Mar 2012	0.109	Mar 2013	-		0.109	Continuing	Continuing	
Protective Combat Uniform (PCU)	Various	PM-SSES:Natick, MA	0.361	0.500	Feb 2012	0.500	Feb 2013	-		0.500	Continuing	Continuing	
Load Carriage System (LCS) and Backpacks	Various	PM-SSES:Natick, MA	0.050	-		0.200	Mar 2013	-		0.200	Continuing	Continuing	
Modular Glove System (MGS)	Various	PM-SSES:Natick, MA	-	-		0.100	Mar 2013	-		0.100	Continuing	Continuing	
Subtotal			0.411	0.850		0.909		-		0.909			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PCU Fire Retardant Test/P3I	Various	PM-SSES:Natick, MA	0.387	0.453	Feb 2012	0.150	Feb 2013	-		0.150	Continuing	Continuing	
Signature Management Profile Characterization	Various	PM-SSES:Natick, MA	-	0.300	Mar 2012	0.391	Mar 2013	-		0.391	Continuing	Continuing	
LCS/BAV/Backpack Material and Prototype Testing	Various	PM-SSES:Natick, MA	-	0.187	Feb 2012	0.100	Mar 2013	-		0.100	Continuing	Continuing	
MGS Testing	Various	PM-SSES:Natick, MA	-	-		0.100	Mar 2013	-		0.100	Continuing	Continuing	
Maritime Comms Testing	Various	PM-SSES:Natick, MA	-	0.310	Jan 2012	0.700	Jan 2013	-		0.700	Continuing	Continuing	
National Assessment Group C-IED Test Support	Various	PM-SSES:Natick, MA	-	-		1.033	Mar 2013	-		1.033	Continuing	Continuing	
Prior Year Funding	MIPR	PM-SSES:Natick, MA	1.080	-		-		-		-	Continuing	Continuing	
Subtotal			1.467	1.250		2.474		-		2.474			
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			1.878	2.100		3.383		-		3.383			
Remarks N/A.													

**UNCLASSIFIED**

<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 United States Special Operations Command						<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 1160478BB: <i>Soldier Protection and Survival Systems</i>			<b>PROJECT</b> S385: <i>Soldier Protection and Survival Systems</i>

	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	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
<b><i>SPEAR Protective Combat Uniform (PCU)</i></b>																												
Block II Test Contract																												
Block II Fire Retardant (FR) Prototyping																												
Phase I FR Baseline Test																												
Reactive Fiber Testing																												
Level 3A Development Exterior Jacket Low Loft																												
Phase II FR Block II Testing																												
PCU P3I																												
Signature Management Profile Characterization																												
Materials Research																												
Modular Glove System																												
Market Research, Lightweight Power for Active Heating																												
<b><i>SPEAR MICH Comms</i></b>																												
Market Research/Interoperability Assessment																												
Maritime Comms Solicitation/Solicitation Develop																												
<b><i>SPEAR LCS, Body Armor Vest (BAV and Backpacks)</i></b>																												
LCS/BAV/Backpack Material and Prototyping Testing																												
Safety Belt and Lanyard Test Methods																												
Testing Water Repellant Nanocoatings																												
Load Effects on Survivability																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 United States Special Operations Command																				DATE: February 2012												
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development										R-1 ITEM NOMENCLATURE PE 1160478BB: Soldier Protection and Survival Systems										PROJECT S385: Soldier Protection and Survival Systems												
					FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
					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
Tactical Combat Casualty Care Equipment																																
Prototype Testing and Airworthiness Certification																																
C-IED																																
NAG C-IED Test Support																																



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 United States Special Operations Command			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160478BB: <i>Soldier Protection and Survival Systems</i>	<b>PROJECT</b> S385: <i>Soldier Protection and Survival Systems</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>SPEAR Protective Combat Uniform (PCU)</i></b>				
Block II Test Contract	1	2011	2	2011
Block II Fire Retardant (FR) Prototyping	1	2011	4	2011
Phase I FR Baseline Test	1	2011	2	2011
Reactive Fiber Testing	1	2012	4	2013
Level 3A Development Exterior Jacket Low Loft	1	2011	2	2011
Phase II FR Block II Testing	3	2011	4	2011
PCU P3I	1	2011	4	2017
Signature Management Profile Characterization	1	2012	4	2017
Materials Research	1	2012	4	2012
Modular Glove System	2	2013	4	2017
Market Research, Lightweight Power for Active Heating	1	2012	4	2012
<b><i>SPEAR MICH Comms</i></b>				
Market Research/Interoperability Assessment	1	2012	4	2017
Maritime Comms Solicitation/Solicitation Develop	2	2012	4	2013
<b><i>SPEAR LCS, Body Armor Vest (BAV and Backpacks)</i></b>				
LCS/BAV/Backpack Material and Prototyping Testing	2	2012	4	2017
Safety Belt and Lanyard Test Methods	2	2012	4	2012
Testing Water Repellant Nanocoatings	2	2012	4	2013
Load Effects on Survivability	2	2012	4	2013
<b><i>Tactical Combat Casualty Care Equipment</i></b>				
Prototype Testing and Airworthiness Certification	2	2011	4	2012

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 United States Special Operations Command				DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 1160478BB: Soldier Protection and Survival Systems		PROJECT S385: Soldier Protection and Survival Systems	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
C-IED					
NAG C-IED Test Support		2	2013	4	2017

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 United States Special Operations Command	<b>DATE:</b> February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT			
0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				PE 1160478BB: <i>Soldier Protection and Survival Systems</i>				S385A: <i>Theater Body Armor and Associated Equipment</i>			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
S385A: <i>Theater Body Armor and Associated Equipment</i>	0.104	0.871	0.880	-	0.880	0.826	0.747	0.623	0.634	Continuing	Continuing
Quantity of RDT&E Articles											

**A. Mission Description and Budget Item Justification**

This project provides specialized equipment to meet the unique soldier protection and survival requirements of SOF, to include: Army Rangers; Army Special Forces; Navy Sea, Air, Land (SEAL) teams; Navy Special Boat Units; Air Force Special Tactics Operators; and Marine Forces Special Operations Command. Specialized ballistic equipment improves survivability and load bearing equipment impacting the mobility of SOF while conducting varied missions. These missions are generally conducted in harsh environments, for unspecified periods and in locations requiring small unit autonomy.

This budget line enhances the SPEAR program by supporting body armor plates, soft armor, helmets, and eye protection. It also provides for the research, development, and testing of a variety of body armor and personal protective equipment. Creation of a separate project for ballistic protection efforts was directed in the National Defense Authorization Act of 2010.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	FY 2011	FY 2012	FY 2013
<b>Title:</b> SOF Personal Equipment Advanced Requirements (SPEAR)	0.104	0.871	0.880
<b>FY 2011 Accomplishments:</b> Continued true threat round and high velocity testing and ballistic validation of current armor systems and technical insertions into the USSOCOM SPEAR body armor systems and technologies. Continued non-destructive inspection (N-DI) effort to produce robust capability for inspection of ballistic plates and initiated development of advanced soft armor products.			
<b>FY 2012 Plans:</b> Conducts high temperature ammunition testing and threat validation to assess effectiveness of fielded armor systems. Continues research on advanced N-DI of body armor systems and material/density exploitation for quantitative ballistic data in support of a next generation armor plate. Conducts material testing and prototype evaluation of advanced body armor vest designs; baseline testing and development of specifications for a next generation helmet. Conducts market survey and evaluation of transparent ballistic lens products in preparation for development of a future Special Operations Eye Protection capability.			
<b>FY 2013 Plans:</b> Continue foreign ammunition testing and threat validation to assess armor effectiveness. Continue the helmet design and blast studies. Conduct body armor material research and testing along with the soldier load analysis and research on behind armor effects. Conduct evaluation of transparent armor products will include ballistic and optical testing of transition lenses. Initiate			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 United States Special Operations Command		<b>DATE:</b> February 2012	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160478BB: <i>Soldier Protection and Survival Systems</i>	<b>PROJECT</b> S385A: <i>Theater Body Armor and Associated Equipment</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2011</b>	<b>FY 2012</b>
work on anti-fogging technologies and continue development of low visibility eyewear to support future Special Operations Eye Protection capabilities.			
<b>Accomplishments/Planned Programs Subtotals</b>		0.104	0.871
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>D. Acquisition Strategy</b> SPEAR ballistic protection equipment takes advantage of modified commercial-off-the-shelf or non-developmental items acquired through full and open competition. Currently these SPEAR purchases are made with O&M. As USSOCOM requirements are different from those of the Services, items leveraged from industry are often on the cutting edge of technology and require substantial testing in the SOF environments. Some SPEAR ballistic systems have transitioned to the U.S. Army, other services and other government agencies.			
<b>E. Performance Metrics</b> N/A.			

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**Exhibit R-3, RDT&E Project Cost Analysis:** PB 2013 United States Special Operations Command **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	<b>R-1 ITEM NOMENCLATURE</b> PE 1160478BB: Soldier Protection and Survival Systems	<b>PROJECT</b> S385A: Theater Body Armor and Associated Equipment
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Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Body Armor	Various	PM-SSES:Natick, MA	0.104	-	Feb 2012	0.300	Feb 2013	-		0.300	Continuing	Continuing	
Laser Eye Protection	Various	PM-SSES:Natick, MA	-	-	May 2012	0.050	May 2013	-		0.050	Continuing	Continuing	
<b>Subtotal</b>			0.104	-		0.350		-		0.350			

Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Body Armor Testing	Various	PM-SSES:Natick, MA	-	0.568	Mar 2012	0.380	Mar 2013	-		0.380	Continuing	Continuing	
Lightweight Helmet Testing	Various	PM-SSES:Natick, MA	-	0.239	Mar 2012	0.100	Mar 2013	-		0.100	Continuing	Continuing	
Transparent Armor Testing	Various	PM-SSES:Natick, MA	-	0.064	Jan 2012	0.050	Jan 2013	-		0.050	Continuing	Continuing	
<b>Subtotal</b>			-	0.871		0.530		-		0.530			

	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total		Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	0.104	0.871		0.880		-		0.880				

**Remarks**

N/A.

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 United States Special Operations Command										DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 1160478BB: Soldier Protection and Survival Systems					PROJECT S385A: Theater Body Armor and Associated Equipment	

	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	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
<b>Body Armor (BA)</b>																												
Market Survey (Pre-Solicitation)																												
Verification Testing (Pre-Validation)																												
Soldier Load Analysis Research																												
BA Materials/Testing																												
<b>SPEAR Eye Protection</b>																												
Market Survey																												
Ballistic & Optical Development of Transition Lenses																												
Anti-Fogging Development																												
Low Visibility Eyewear																												
<b>SPEAR Ballistic/Life Support</b>																												
Threat Validation																												
Foreign Ammunition Exploitation Testing																												
Non-Destructive Inspection Development & Testing																												
Helmet Design Research																												
Next Generation Helmet																												
Next Generation Lightweight Materials																												
Behind Armor Effects																												
Slow Impact Research																												
Material Development/Analysis																												
Blast Research																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 United States Special Operations Command			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160478BB: <i>Soldier Protection and Survival Systems</i>	<b>PROJECT</b> S385A: <i>Theater Body Armor and Associated Equipment</i>	

## Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Body Armor (BA)</b>				
Market Survey (Pre-Solicitation)	3	2011	3	2013
Verification Testing (Pre-Validation)	1	2012	1	2012
Soldier Load Analysis Research	1	2012	4	2013
BA Materials/Testing	1	2012	4	2014
<b>SPEAR Eye Protection</b>				
Market Survey	1	2012	4	2012
Ballistic & Optical Development of Transition Lenses	1	2012	4	2013
Anti-Fogging Development	1	2013	4	2015
Low Visibility Eyewear	1	2012	4	2013
<b>SPEAR Ballistic/Life Support</b>				
Threat Validation	1	2012	4	2017
Foreign Ammunition Exploitation Testing	1	2013	4	2017
Non-Destructive Inspection Development & Testing	1	2012	4	2012
Helmet Design Research	1	2012	4	2013
Next Generation Helmet	1	2015	4	2016
Next Generation Lightweight Materials	1	2015	4	2017
Behind Armor Effects	1	2012	4	2014
Slow Impact Research	1	2012	4	2012
Material Development/Analysis	1	2015	4	2017
Blast Research	1	2012	4	2014

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