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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 United States Special Operations Command	DATE: April 2013
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APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>					PE 1160477BB: <i>SOF Weapons Systems</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	8.132	3.002	1.511	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.645
S375: <i>SOF Weapons Systems</i>	8.132	3.002	1.511	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.645

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Note

Beginning in FY 2014, this Program Element (PE) 1160477BB, SOF Weapons Systems has been consolidated into SOCOM PE 1160431BB, Warrior Systems.

A. Mission Description and Budget Item Justification

This program element provides for development, testing, and integration of specialized weapon systems and weapon accessories to meet the unique requirements of Special Operations Forces (SOF). This specialized equipment will permit small, highly trained forces to conduct required operations across the entire spectrum of conflict. These operations are generally conducted in harsh environments, for unspecified periods and in locations requiring small unit autonomy. SOF must infiltrate by land, sea, and air to conduct unconventional warfare, direct action, or deep reconnaissance operations in denied areas against insurgent units, terrorists, or highly sophisticated threat forces. The requirement to operate in denied areas controlled by a sophisticated threat mandates that SOF systems remain technologically superior to threat forces to ensure mission success.

B. Program Change Summary (\$ in Millions)	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014 Base</u>	<u>FY 2014 OCO</u>	<u>FY 2014 Total</u>
Previous President's Budget	2.610	1.511	0.000	-	0.000
Current President's Budget	3.002	1.511	0.000	-	0.000
Total Adjustments	0.392	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.459	-			
• SBIR/STTR Transfer	-0.067	-			

Change Summary Explanation

Funding:

FY 2012: Net Increase of \$0.392 million is due to reprogramming for higher command priorities (-\$0.210 million); reprogramming to the Family of Sniper Weapons Systems (FSWS) Program for development and user assessment of the Precision Sniper Rifle (PSR) (\$0.457 million); reprogramming to Weapons

UNCLASSIFIED

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Accessories for development of the Visual Augmentation Sight Optics - Optimizer (\$0.212 million); and a transfer of funds to Small Business Innovative Research (\$-0.067 million).		
FY 2013: None.		
FY 2014: No change.		
Schedule: None.		
Technical: None.		

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Exhibit R-2A, RDT&E Project Justification: PB 2014 United States Special Operations Command										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 1160477BB: SOF Weapons Systems				PROJECT S375: SOF Weapons Systems			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
S375: SOF Weapons Systems	8.132	3.002	1.511	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.645
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
This project provides for development and testing of specialized, lightweight individual, assault, crew-served weapons, and fire control/surveillance devices to meet the unique requirements of Special Operations forces (SOF). SOF often deploys as small, independent, quick reaction, foot-mobile teams independent of primary logistics support. Existing weapons and combat equipment are frequently unsuited to these conditions. Sub-projects include:												
Family of Sniper Weapon Systems (FSWS). This program includes next generation system development and pre-planned product improvements (P3I) to current sniper systems. Next-generation systems include two variants: a (PSR) as a life cycle replacement of the current .300 Winchester Magnum rifle (MK13) that is intended to provide SOF with a highly accurate weapon system capable of engaging targets at ranges equal to or better than the MK13, and an anti-materiel rifle that will pursue heavy sniper system technology to provide SOF with precision engagement capabilities on materiel targets.												
Weapons Accessories (WPNAC). This program effort enhances all SOF weapons, both individual and crew served, by leveraging the latest technological advances in optional accessories (up to 30 different functions/capabilities) such as day scopes, clip-on night scopes, active aiming laser module, visible lights, grenade launchers, suppressors, hand grips, and close quarters battle sights. Miniature Day-Night Sight (MDNS) for Crew-served Weapons enhances all SOF weapons, by leveraging existing image intensification and thermal technology to improve combat effectiveness for all crew served weapon systems. Development efforts include test and evaluation of the Advanced Target Pointer Illuminator Aiming Laser (ATPIAL) hardening to withstand the live-fire shock profiles for the Combat Assault Rifle (CAR), Visual Augmentation Systems (VAS), and Family of Muzzle Breaks and Suppressors (FMBS). Leveraging extensive modeling and simulation efforts executed by National Labs, competitively award RDT&E contracts to select vendors to develop suppressors and flashhiders for select SOF weapon systems. These accessories greatly improve the combat effectiveness of the weapon systems and the survivability of the SOF operator.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: FSWS									0.457	0.000	0.000	
FY 2012 Accomplishments: Purchased PSR test articles, labor support and ammunition to conduct developmental and safety testing and user assessments.												
Title: WPNAC									2.545	1.511	0.000	
FY 2012 Accomplishments:												

UNCLASSIFIED

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B. Accomplishments/Planned Programs (\$ in Millions)							FY 2012	FY 2013	FY 2014		
Conducted market research, purchase labor support for down select, test articles, operational and developmental testing and field user assessment that supports the VAS and FMBS programs.											
FY 2013 Plans: Continue development of VAS and FMBS programs. Conduct market research, continue down select support, test articles, operational and developmental testing, and user assessment that supports the VAS and FMBS programs.											
Accomplishments/Planned Programs Subtotals							3.002	1.511	0.000		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• PROC: SMALL ARMS AND WEAPONS	24.747	27.108	0.000		0.000	0.000	0.000	0.000	0.000	0.000	51.855
Remarks											
D. Acquisition Strategy											
• FSWS. Develops, tests, and evaluates highly accurate, long-range weapon systems to enable the SOF operator to engage the enemy and materiel targets utilizing pre-planned product improvement and incremental development based on technological advances. • WPNAC. Develops, tests, and evaluates accessories to optimize the effectiveness of all SOF weapons in order to increase their operational effectiveness through improved target recognition, acquisition and hit capability during day and night from close quarters to maximum effective range of each weapon. Develops VAS for SOF weapons systems. Devices will provide the SOF operator with the ability to engage enemy combatants in all lighting conditions utilizing SOF weapons systems. Develops next generation suppressors for SOF rifle/carbine and light machine gun weapons systems to enhance SOF operational security during engagement with enemy combatants.											
E. Performance Metrics											
F. Major Performers											
Activity/Location	Description					Project					
Naval System Warfare Center-Crane/Crane, Indiana	System Engineering, developmental and operational testing					Various					

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 United States Special Operations Command												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 1160477BB: SOF Weapons Systems				PROJECT S375: SOF Weapons Systems					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Family of Muzzle Brakes and Suppressors (FMBS)	C/FFP	NSWC-Crane:Crane, IN	0.703	1.050	Jul 2012	0.818	Mar 2013	-		-		-	Continuing	Continuing	Continuing
PSR	C/FFP	NSWC-Crane:Crane, IN	0.141	0.118	Nov 2012	-		0.000		-		0.000	Continuing	Continuing	Continuing
Prior Years - Completed Efforts	C/FFP	NSWC-Crane:Crane, IN	0.562	-		-		-		-		-	Continuing	Continuing	Continuing
Weapons Accessories Visual Augmentation Systems (WPNAC VAS)	C/FFP	NSWC-Crane:Crane, IN	1.860	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			3.266	1.168		0.818		0.000		0.000		0.000			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FMBS	C/FFP	NSWC-Crane:Crane, IN	0.108	0.208	Dec 2011	0.493	Dec 2012	-		-		-	Continuing	Continuing	Continuing
PSR	C/FFP	NSWC-Crane:Crane, IN	-	0.247	May 2012	-		-		-		-	Continuing	Continuing	Continuing
Prior Years - Completed Efforts	C/FFP	NSWC-Crane:Crane, IN	0.065	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			0.173	0.455		0.493		0.000		0.000		0.000			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FMBS	C/FFP	NSWC-Crane:Crane, IN	0.100	-		0.200	Dec 2012	-		-		-	Continuing	Continuing	Continuing
Weapons Accesories Visual Augmentation Systems	C/FFP	NSWC-Crane:Crane, IN	2.939	1.287	Jun 2012	-		-		-		-	Continuing	Continuing	Continuing

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 United States Special Operations Command												DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 1160477BB: <i>SOF Weapons Systems</i>				PROJECT S375: <i>SOF Weapons Systems</i>				

Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost		Cost To Complete	Total Cost	Target Value of Contract
PSR	C/FFP	NSWC-Crane:Crane, IN	0.471	0.092	Mar 2012	-		-		-		-		Continuing	Continuing	Continuing
Prior Years - Completed Efforts	C/FFP	NSWC-Crane:Crane, IN	1.183	-		-		-		-		-		Continuing	Continuing	Continuing
Subtotal			4.693	1.379		0.200		0.000		0.000		0.000				

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	8.132	3.002	1.511	0.000	0.000	0.000			

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2014 United States Special Operations Command										DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>					R-1 ITEM NOMENCLATURE PE 1160477BB: <i>SOF Weapons Systems</i>					PROJECT S375: <i>SOF Weapons Systems</i>			

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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
<i>Weapons Accessories -Visual Augmentation Systems Development</i>																												
Develop/release solicitation	■																											
Source Selection		■																										
Contract Award			■																									
Receive Prototype Systems				■																								
Developmental Testing/User Assessment of Prototypes							■	■	■	■																		
Prototype Down-Select Decision							■																					
Delivery of Low Rate Initial Production LRIP Systems												■																
<i>Family of Muzzle Break Suppressors Development</i>																												
Lightweight Machine Gun (LMG) Suppressor Solicitation	■	■																										
LMG Research and Development Contract Award				■																								
LMG Modeling					■																							
LMG Conduct Initial Prototyping						■																						
LMG MS B Decision								■																				
LMG Conduct Follow-on Prototyping									■	■	■																	
LMG - MS C LRIP Decision											■																	
Award LMG Suppressor Contract																■												
<i>Precision Sniper Rifle Development</i>																												
Contract Award			■																									
Receive Test Units							■																					

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 United States Special Operations Command																						DATE: April 2013										
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development										R-1 ITEM NOMENCLATURE PE 1160477BB: SOF Weapons Systems								PROJECT S375: SOF Weapons Systems														
					FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Phase I Technical Testing																																
User Assessment of Test Units																																
Phase II Technical Testing																																
Safety Certification Release																																
Production Contract Award																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 United States Special Operations Command			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 1160477BB: <i>SOF Weapons Systems</i>	PROJECT S375: <i>SOF Weapons Systems</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Weapons Accessories -Visual Augmentation Systems Development</i>				
Develop/release solicitation	1	2012	1	2012
Source Selection	2	2012	2	2012
Contract Award	3	2012	3	2012
Receive Prototype Systems	4	2012	4	2012
Developmental Testing/User Assessment of Prototypes	2	2013	4	2013
Prototype Down-Select Decision	2	2013	2	2013
Delivery of Low Rate Initial Production LRIP Systems	4	2013	4	2013
<i>Family of Muzzle Break Suppressors Development</i>				
Lightweight Machine Gun (LMG) Suppressor Solicitation	1	2012	2	2012
LMG Research and Development Contract Award	4	2012	4	2012
LMG Modeling	1	2013	1	2013
LMG Conduct Initial Prototyping	2	2013	2	2013
LMG MS B Decision	4	2013	4	2013
LMG Conduct Follow-on Prototyping	4	2013	2	2014
LMG - MS C LRIP Decision	3	2014	3	2014
Award LMG Suppressor Contract	4	2014	4	2014
<i>Precision Sniper Rifle Development</i>				
Contract Award	3	2012	3	2012
Receive Test Units	1	2013	1	2013
Phase I Technical Testing	1	2013	2	2013
User Assessment of Test Units	2	2013	2	2013

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 United States Special Operations Command			DATE: April 2013	
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		Start		End
Events by Sub Project		Quarter	Year	Quarter
Phase II Technical Testing		2	2013	2
Safety Certification Release		3	2013	3
Production Contract Award		2	2013	2