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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 United States Special Operations Command	Date: March 2014
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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 1160477BB / <i>SOF Weapons Systems</i>
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	11.134	1.610	-	-	-	-	-	-	-	-	-	12.744
S375: <i>SOF Weapons Systems</i>	11.134	1.610	-	-	-	-	-	-	-	-	-	12.744

The FY 2015 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.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015 Base</u>	<u>FY 2015 OCO</u>	<u>FY 2015 Total</u>
Previous President's Budget	1.511	-	-	-	-
Current President's Budget	1.610	-	-	-	-
Total Adjustments	0.099	-	-	-	-
• Congressional General Reductions	-0.156	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-0.002	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.302	-			
• SBIR/STTR Transfer	-0.045	-			

Change Summary Explanation

Funding:

FY 2013: Net increase of \$0.099 million is due to a reprogramming from PE 1160479BB for development and testing of Weapon Accessories Visual Augmentation Systems and Small Arms Signature Reduction (SASR) Suppressor (\$0.302) million; sequestration reductions (-\$0.156 million); Congressional Rescissions (-\$0.002 million); and for transfer of funds to Small Business Innovative Research (-\$0.045 million).

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Schedule: None. Technical: None.		

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Exhibit R-2A, RDT&E Project Justification: PB 2015 United States Special Operations Command **Date:** March 2014

Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160477BB / SOF Weapons Systems				Project (Number/Name) S375 / SOF Weapons Systems			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
S375: SOF Weapons Systems	11.134	1.610	-	-	-	-	-	-	-	-	-	12.744
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 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:

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 2013	FY 2014	FY 2015
Title: WPNAC	1.610	-	-
FY 2013 Accomplishments: Continued development of VAS and FMBS programs. Conducted market research, continued down select support, test articles, operational and developmental testing, and user assessment that supported the VAS and FMBS programs.			
Accomplishments/Planned Programs Subtotals	1.610	-	-

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• PROC: Small Arms and Weapons	25.244	-	-	-	-	-	-	-	-	-	25.244
Remarks											

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<u>D. Acquisition Strategy</u> • 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.		
<u>E. Performance Metrics</u> F. Major Performers		
Activity/Location	Description	Project
Naval System Warfare Center-Crane/Crane, Indiana	System Engineering, developmental and operational testing	Various

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 United States Special Operations Command

Date: March 2014

Appropriation/Budget Activity

0400 / 7

R-1 Program Element (Number/Name)

PE 1160477BB / SOF Weapons Systems

Project (Number/Name)

S375 / SOF Weapons Systems

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<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																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 United States Special Operations Command			Date: March 2014
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Weapons Accessories -Visual Augmentation Systems Development</i>				
Develop/release solicitation	1	2013	1	2013
Source Selection	2	2013	2	2013
Contract Award	2	2013	3	2013
Receive Prototype Systems	4	2013	4	2013
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	2013	2	2013
LMG Research and Development Contract Award	1	2013	1	2013
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