Exhibit R-2, RDT&E Budget Item Justification: PB 2015 United States Special Operations Command

R-1 Program Element (Number/Name)

Date: March 2014

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 7:

PE 1160481BB / SOF Munitions

Operational Systems Development

Appropriation/Budget Activity

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	1.461	1.346	-	-	-	-	-	-	-	-	-	2.807
S800: Munitions Advanced Development	1.461	1.346	-	-	-	-	-	-	-	-	-	2.807

<sup>&</sup>lt;sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

#### Note

Beginning in FY 2014, this PE 1160481BB "SOF Munitions" has been consolidated in SOCOM PE 1160431BB "Warrior Systems."

### A. Mission Description and Budget Item Justification

This program element provides for the advanced engineering operational system development and qualification efforts related to Special Operations Forces (SOF) peculiar munitions and equipment. Funding supports development of Insensitive Munitions (IM) technology and evaluation, in accordance with statutory requirement set forth in U.S. Code, Title 10, Chapter 141, Section 2389 (December 2001). (Including bullet impact, fast cook off, fragment impact, slow cook off, sympathetic detonation, and shaped charge test.) Testing is in accordance with the United States Special Operations Command IM Strategic Plan. Funding also supports efforts to develop and improve Stand-Off Precision Guided Munitions (SOPGM); including the development and integration of improved warheads, seeker, guidance navigation and control systems operational flight software and missile delivery to meet SOF requirements.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	1.515	-	-	-	-
Current President's Budget	1.346	-	-	-	-
Total Adjustments	-0.169	-	-	-	-
<ul> <li>Congressional General Reductions</li> </ul>	-0.121	-			
<ul> <li>Congressional Directed Reductions</li> </ul>	-	-			
<ul> <li>Congressional Rescissions</li> </ul>	-0.002	-			
<ul> <li>Congressional Adds</li> </ul>	-	-			
<ul> <li>Congressional Directed Transfers</li> </ul>	-	-			
<ul> <li>Reprogrammings</li> </ul>	-	-			
SBIR/STTR Transfer	-0.046	-			

### **Change Summary Explanation**

Funding:

FY 2013: Decrease of \$0.169 million is due to sequestration reductions (\$0.121 million), Congressional rescission (\$.002 million) and a transfer of funds to Small Business Innovative Research (\$0.046 million).

PE 1160481BB: SOF Munitions

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 United States Sp	pecial Operations Command	Date: March 2014
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 1160481BB / SOF Munitions	
Schedule: None.		
Technical: None.		

PE 1160481BB: *SOF Munitions*United States Special Operations Command

Exhibit R-2A, RDT&E Project Ju	Exhibit R-2A, RDT&E Project Justification: PB 2015 United States Special Operations Command													
Appropriation/Budget Activity 0400 / 7	<b>R-1 Progra</b> PE 116048		t (Number/ Munitions		Number/Name) unitions Advanced Development									
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		
S800: Munitions Advanced Development	1.461	1.346	-	-	-	-	-	-	-	-	-	2.807		
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-				

<sup>\*</sup>The FY 2015 OCO Request will be submitted at a later date.

## A. Mission Description and Budget Item Justification

This project funds advanced engineering, operational system development and qualification efforts related to specialized munitions and equipment

Non-Standard Materiel (NSM). Provided for Insensitive Munitions (IM) technology development and evaluation that allows SOF munitions to pass testing which included bullet impact, fragment impact, sympathetic detonation, fast cook off, slow cook off and shaped charge test. Tests were in accordance with the United States Special Operations IM Testing Plan.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2013	FY 2014	FY 2015
Title: NSM	1.346	-	-
FY 2013 Accomplishments: Conducted proof of principle and IM testing on various munitions. Continued full scale testing to satisfy safety requirements in Military Standard 2105C (DOD Test and Method Standard: Hazard Assessment Test for Non-Nuclear Munition, 26 Sep 2006).			
Accomplishments/Planned Programs Subtotals	1.346	-	-

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

			FY 2015	FY 2015	FY 2015					Cost To	
<u>Line Item</u>	FY 2013	FY 2014	<b>Base</b>	000	<u>Total</u>	FY 2016	FY 2017	FY 2018	FY 2019	Complete	<b>Total Cost</b>
<ul><li>PROC/0203PYDEMO:</li></ul>	33.773	-	-	-	-	-	-	-	_	-	66.154
Ordnance Acquisition											

#### Remarks

### **D. Acquisition Strategy**

NSM: Munitions and packaging redesign took place within government laboratories, as well as in industry, depending on the munitions. IM solutions were tested on a small scale for proof of principle.

### **E. Performance Metrics**

N/A

PE 1160481BB: *SOF Munitions*United States Special Operations Command

**UNCLASSIFIED** 

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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 1160481BB / SOF Munitions Project (Number/Name) S800 / Munitions Advanced Deve												velo <sub>l</sub>	lopmen														
		FY	2013	3		FY 2	2014	 ļ		FY 2	2015	5		FY 2	2016		l	FY 2	2017	7		FY:	2018	3	<del></del>	FY	2019	 9
	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
Non-Standard Materiel						,			,																		,	
Purchase Test Articles																												_
Evaluation of Insensitive Munitions (IM)																												
Evaluation of IM																							-	-	-	-		
Testing of IM																												
Testing of IM																												

Exhibit R-4A, RDT&E Schedule Details: PB 2015 United States Special Oper	ations Command	Date: March 2014					
Appropriation/Budget Activity	R-1 Program Element (Number/Name) Project (N						
0400 / 7	PE 1160481BB / SOF Munitions	S800 I Munitions Advanced Development					

# Schedule Details

	St	art	Eı	nd
Events by Sub Project	Quarter	Year	Quarter	Year
Non-Standard Materiel				
Purchase Test Articles	2	2013	2	2015
Evaluation of Insensitive Munitions (IM)				
Evaluation of IM	2	2013	4	2015
Testing of IM			X	·
Testing of IM	2	2013	4	2015