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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2014 United States Special Operations Command	<b>DATE:</b> April 2013
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APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>					PE 1160481BB: <i>SOF Munitions</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	1.461	1.515	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	2.976
S800: <i>SO Munitions Advanced Development</i>	-	1.461	1.515	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	2.976

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 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 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>B. Program Change Summary (\$ in Millions)</b>	<b><u>FY 2012</u></b>	<b><u>FY 2013</u></b>	<b><u>FY 2014 Base</u></b>	<b><u>FY 2014 OCO</u></b>	<b><u>FY 2014 Total</u></b>
Previous President's Budget	1.500	1.515	0.000	-	0.000
Current President's Budget	1.461	1.515	0.000	-	0.000
Total Adjustments	-0.039	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.039	-			

**Change Summary Explanation**

Funding:

FY 2012: Decrease of -\$0.039 million is due to a transfer to the Small Business Innovative Research transfer.

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FY 2013: None.		
FY 2014: None.		
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 1160481BB: SOF Munitions				PROJECT S800: SO Munitions Advanced Development			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
S800: SO Munitions Advanced Development	-	1.461	1.515	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	2.976
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 funds advanced engineering, operational system development and qualification efforts related to specialized munitions and equipment												
Non-Standard Materiel (NSM). Provides for Insensitive Munitions (IM) technology development and evaluation that allows SOF munitions to pass testing which includes bullet impact, fragment impact, sympathetic detonation, fast cook off, slow cook off and shaped charge test. Testing is in accordance with the United States Special Operations IM Testing Plan.												
Stand-Off Precision Guided Munitions (SOPGM) provides for the development and improvement of SOF-unique SOPGMs.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: NSM									1.461	1.515	0.000	
FY 2012 Accomplishments: Conducted proof of principle and IM testing on various munitions. Continued testing to satisfy safety requirements in Military Standard 2105C (Department of Defense Test and Method Standard: Hazard Assessment Test for Non-Nuclear Munition, 26 Sep 2006).												
FY 2013 Plans: Conduct proof of principle and IM testing on various munitions. Continue full scale testing to satisfy safety requirements in Military Standard 2105C (Department of Defense Test and Method Standard: Hazard Assessment Test for Non-Nuclear Munition, 26 Sep 2006).												
Accomplishments/Planned Programs Subtotals									1.461	1.515	0.000	

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<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 1160481BB: <i>SOF Munitions</i>				<b>PROJECT</b> S800: <i>SO Munitions Advanced Development</i>			

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

<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u> <u>Base</u>	<u>FY 2014</u> <u>OCO</u>	<u>FY 2014</u> <u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PROC1: <i>ORDNANCE ACQUISITION</i>	32.381	36.981	0.000		0.000	0.000	0.000	0.000	0.000	0.000	69.362

**Remarks**

**D. Acquisition Strategy**

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

SOPGM: Using an incremental approach to increase munitions performance, leverage Industry's Internal Research and Development (IRAD) innovative efforts and pre-competed contracts to improve warhead, seeker, guidance navigation and control system, and missile delivery packaging shall take place in industry, as well as government laboratories. Solutions will be tested at comparative demonstrations and/or flight test events.

**E. Performance Metrics**

N/A

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 United States Special Operations Command												<b>DATE:</b> April 2013			
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<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
NSM - Obtain Munitions Test Articles	C/FFP	General Dynamics:Canada	0.000	0.400	Jan 2012	0.418	Jan 2013	-		-		-	0.000	0.818	
Evaluation of IM	C/FFP	US Air Force Air Armaments Center:Elgin AFB	0.000	0.150	Jan 2012	0.150	Jan 2013	-		-		-	0.000	0.300	
Testing of IM	Allot	ARDEC:Picatinny Arsenal, NJ	0.000	0.911	Jan 2012	0.947	Jan 2013	-		-		-	0.000	1.858	
<b>Subtotal</b>			0.000	1.461		1.515		0.000		0.000		0.000	0.000	2.976	

  

	<b>All Prior Years</b>	<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	0.000	1.461		1.515		0.000		0.000		0.000	0.000	2.976	

  

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2014 United States Special Operations Command																<b>DATE:</b> April 2013			
<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 1160481BB: <i>SOF Munitions</i>								<b>PROJECT</b> S800: <i>SO Munitions Advanced Development</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
<b>Non-Standard Materiel</b>																												
Purchase Test Articles																												
<b>Evaluation of Insensitive Munitions (IM)</b>																												
Evaluation of IM																												
<b>Testing of IM</b>																												
Testing of IM																												
<b>SOPGM</b>																												
Evaluate Lethality Upgrades																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 United States Special Operations Command			<b>DATE:</b> April 2013
<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 1160481BB: <i>SOF Munitions</i>	<b>PROJECT</b> S800: <i>SO Munitions Advanced Development</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Non-Standard Materiel</i></b>				
Purchase Test Articles	2	2012	2	2015
<b><i>Evaluation of Insensitive Munitions (IM)</i></b>				
Evaluation of IM	2	2012	4	2015
<b><i>Testing of IM</i></b>				
Testing of IM	2	2012	4	2015
<b><i>SOPGM</i></b>				
Evaluate Lethality Upgrades	2	2014	2	2015