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<b>Exhibit R-2, RDT&amp;E Budget Item 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							
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)	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
Total Program Element	-	1.500	1.515	-	1.515	-	-	-	-	0.000	3.015
S800: <i>SO Munitions Advanced Development</i>	-	1.500	1.515	-	1.515	-	-	-	-	0.000	3.015

**Note**

There are prior year funds being obligated against the Insensitive Munitions (IM) requirement. However, according to the "New Start" criteria, the FY 2012 RDT&E request constitutes a New Start since there is more than one skip year in the appropriation. Prior to FY 2010, the Insensitive Munitions RDT&E was executed under Program Element 1160404BB.

**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 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.

<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	-	1.500	1.497	-	1.497
Current President's Budget	-	1.500	1.515	-	1.515
Total Adjustments	-	-	0.018	-	0.018
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	0.018	-	0.018

**Change Summary Explanation**

Funding:

FY 2011: No change.

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FY 2012: No change.		
FY 2013: Increase is due to an economic assumption increase (\$0.018 million).		
Schedule: None.		
Technical: None.		

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**Exhibit R-2A, RDT&E Project Justification:** PB 2013 United States Special Operations Command **DATE:** 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 1160481BB: <i>SOF Munitions</i>	<b>PROJECT</b> S800: <i>SO Munitions Advanced Development</i>
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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
S800: <i>SO Munitions Advanced Development</i>	-	1.500	1.515	-	1.515	-	-	-	-	0.000	3.015
Quantity of RDT&E Articles											

## 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.

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

	FY 2011	FY 2012	FY 2013
<b>Title:</b> NSM	-	1.500	1.515
<b>FY 2012 Plans:</b> Conducts proof of principle and IM testing on various munitions then 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).			
<b>FY 2013 Plans:</b> Conduct proof of principle and IM testing on various munitions then 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).			
<b>Accomplishments/Planned Programs Subtotals</b>	-	1.500	1.515

## 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
• PROC1: <i>ORDNANCE ACQUISITION</i>	59.180	33.681	36.981		36.981	37.259	35.267	32.115	26.666	Continuing	Continuing

## 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.

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**E. Performance Metrics**

N/A

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</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 1160481BB: <i>SOF Munitions</i>				<b>PROJECT</b> S800: <i>SO Munitions Advanced Development</i>					

  

<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</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	-	0.400	Jan 2012	0.418	Jan 2013	-		0.418	0.000	0.818	
Evaluation of IM	C/FFP	Campagnuolo:Sarasota, FL	-	0.150	Jan 2012	0.150	Jan 2013	-		0.150	0.000	0.300	
Testing of IM	Allot	ARDEC:Picatinny Arsenal, NJ	-	0.950	Jan 2012	0.947	Jan 2013	-		0.947	0.000	1.897	
<b>Subtotal</b>			-	1.500		1.515		-		1.515	0.000	3.015	

  

	<b>Total Prior Years Cost</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	-	1.500		1.515		-	1.515	0.000

  

**Remarks**

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

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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 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	2013
<b><i>Evaluation of Insensitive Munitions (IM)</i></b>				
Evaluation of IM	2	2012	4	2013
<b><i>Testing of IM</i></b>				
Testing of IM	2	2012	4	2013

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