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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 United States Special Operations Command **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				PE 1160481BB: <i>SOF Munitions</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	-	-	1.500	-	1.500	1.497	-	-	-	0.000	2.997
S800: <i>SO Munitions Advanced Development</i>	-	-	1.500	-	1.500	1.497	-	-	-	0.000	2.997

Note

There are prior year funds being obligated against the Insensitive Munitions 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 SOF-peculiar munitions and equipment. Develops Insensitive Munitions (IM) technology and evaluation in accordance with statutory requirement set forth in Chapter 141 of Title 10, United States Code, Section 2389 (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 Command IM Strategic Plan.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	1.500	-	1.500
Total Adjustments	-	-	1.500	-	1.500
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	1.500	-	1.500

Change Summary Explanation

Funding:

FY 2010 None.

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FY 2011 None.		
FY 2012 Increase of \$1.500 million will support the statutory requirement to provide IM testing for the safety of USSOCOM unique ammunition.		
Schedule: None.		
Technical: None.		

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Exhibit R-2A, RDT&E Project Justification: PB 2012 United States Special Operations Command									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 1160481BB: <i>SOF Munitions</i>				PROJECT S800: <i>SO Munitions Advanced Development</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
S800: <i>SO Munitions Advanced Development</i>	-	-	1.500	-	1.500	1.497	-	-	-	0.000	2.997
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. Sub-projects include: ♦ Non-Standard Materiel (NSM). Provides for insensitive munitions (IM) technology development and evaluation that allows Special Operations Forces 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 Command IM Testing Plan.											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Non-Standard Materiel							-	-	1.500	-	1.500
FY 2012 Base Plans: 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).											
Accomplishments/Planned Programs Subtotals							-	-	1.500	-	1.500
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• PROC: <i>ORDNANCE ACQUISITION</i>	37.383	73.991	28.281	25.400	53.681	41.649	43.465	51.538	52.524	Continuing	Continuing
D. Acquisition Strategy 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.											
E. Performance Metrics N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 United States Special Operations Command **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 1160481BB: <i>SOF Munitions</i>	PROJECT S800: <i>SO Munitions Advanced Development</i>
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Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Non-Standard Materiel (NSM) - Obtain Munitions Test Articles	C/FFP	General Dynamics:Canada	-	-		0.400	Jan 2012	-		0.400	0.400	0.800	
Evaluate IM	C/FFP	Campagnuolo:Sarasota, FL	-	-		0.150	Jan 2012	-		0.150	0.150	0.300	
Test IM	Allot	ARDEC:Picatinny Arsenal, NJ	-	-		0.950	Jan 2012	-		0.950	0.950	1.900	
Subtotal			-	-		1.500		-		1.500	1.500	3.000	
Project Cost Totals			-	-		1.500		-		1.500	1.500	3.000	

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 United States Special Operations Command										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>					R-1 ITEM NOMENCLATURE PE 1160481BB: <i>SOF Munitions</i>					PROJECT S800: <i>SO Munitions Advanced Development</i>			

	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	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																												
Evaluate IM																												
Evaluate IM																												
Test IM																												
Test IM																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 United States Special Operations Command			DATE: February 2011
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Non-Standard Materiel</i>				
Purchase Test Articles	2	2012	2	2013
<i>Evaluate IM</i>				
Evaluate IM	2	2012	4	2013
<i>Test IM</i>				
Test IM	2	2012	4	2013

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