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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 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 2: <i>Applied Research</i>	R-1 ITEM NOMENCLATURE PE 1160407BB: <i>SOF Medical Technology Development</i>
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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	2.390	-	-	-	-	-	-	-	-	Continuing	Continuing
S275: <i>SOF Medical Technology</i>	2.390	-	-	-	-	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element provides studies, non-system exploratory advanced technology development, and evaluations. The focus is on medical technologies, centering on physiologic, psychologic, and ergonomic factors affecting the ability of SOF to perform their missions. Special operations requires unique approaches to combat casualty care, medical equipment, and other life support capabilities including life support for high altitude parachuting, combat swimming, and other SOF-unique missions. This program provides guidelines for the development of selection and conditioning criteria, thermal protection, decompression procedures, combat casualty procedures, and life support systems. The program supports the development and evaluation of biomedical enhancements for the unique requirements of all SOF in the conduct of their diverse missions.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	2.390	-	-	-	-
Current President's Budget	2.390	-	-	-	-
Total Adjustments	-	-	-	-	-
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	-	-	-

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: S275: *SOF Medical Technology*

Congressional Add: *Personalized Medicine Initiative*

	FY 2010	FY 2011
	2.390	-
Congressional Add Subtotals for Project: S275	2.390	-
Congressional Add Totals for all Projects	2.390	-

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<div style="border: 1px solid black; min-height: 600px; margin-top: 10px;"><div style="padding: 10px;"><p><u>Change Summary Explanation</u></p><p>Funding:</p><p>FY2010 None.</p><p>FY2011 None.</p><p>FY2012 None.</p><p>Schedule: None.</p><p>Technical: None.</p></div></div>		

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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: Research, Development, Test & Evaluation, Defense-Wide BA 2: Applied Research				R-1 ITEM NOMENCLATURE PE 1160407BB: SOF Medical Technology Development				PROJECT S275: SOF Medical Technology			
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
S275: SOF Medical Technology	2.390	-	-	-	-	-	-	-	-	Continuing	Continuing

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

	FY 2010	FY 2011
Congressional Add: Personalized Medicine Initiative	2.390	-
FY 2010 Accomplishments: Developed and applied next-generation DNA sequencing technology to sequence the genomes of human subjects with a range of diseases and inherited disorders, in an effort to better understand the genetic basis of disease.		
Congressional Adds Subtotals	2.390	-

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
• N/A: N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

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