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Exhibit R-2, PB 2010 United States Special Operations Command RDT&E Budget Item Justification **DATE:** May 2009

APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE					
0400 - Research, Development, Test & Evaluation, Defense-Wide/BA 3 - Advanced Technology Development (ATD)					PE 1160422BB Aviation Engineering Analysis					
COST (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	3.544						Cont.	Cont.
SF101: Aviation Engineering Analysis	0.000	0.000	3.544						Cont.	Cont.

Note

A new Program Element (PE)(1160422BB) and Project SF101 were established beginning in FY 2010 for Aviation Engineering Analysis. Resources were moved from PE 1160403BB, Special Operations Aviation Systems Advanced Development Project SF100.

A. Mission Description and Budget Item Justification

This project provides rapid response capability for the investigation, evaluation, and demonstration of technologies for Special Operations Forces (SOF)-unique aviation requirements. Timely application of SOF-unique technology is critical and necessary to meet requirements in such areas as: sensor integration; enhanced situational awareness; near-real-time intelligence to include data fusion, threat detection and avoidance; electronic support measures for threat geo location and specific emitter identification; navigation; target detection; and future SOF aircraft requirements.

B. Program Change Summary (\$ in Millions)

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
Previous President's Budget	0.000	0.000	0.000	
Current BES/President's Budget	0.000	0.000	3.544	
Total Adjustments	0.000	0.000	3.544	
Congressional Program Reductions	0.000	0.000		
Congressional Rescissions	0.000	0.000		
Total Congressional Increases	0.000	0.000		
Total Reprogrammings	0.000	0.000		
SBIR/STTR Transfer	0.000	0.000		
realigned from PE 1160403BB			3.545	
decrease for economic assumptions			-0.001	

Change Summary Explanation

Funding:

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<p>FY10: Net increase of \$3.544 million is due to funds being realigned from PE 1160403BB (\$3.545 million), and a decrease for economic assumptions (-\$0.001 million).</p> <p>Schedule: None.</p> <p>Technical: None.</p>		

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Exhibit R-2a, PB 2010 United States Special Operations Command RDT&E Project Justification **DATE:** May 2009

APPROPRIATION/BUDGET ACTIVITY 0400 - Research, Development, Test & Evaluation, Defense-Wide/BA 3 - Advanced Technology Development (ATD)				R-1 ITEM NOMENCLATURE PE 1160422BB Aviation Engineering Analysis					PROJECT NUMBER SF101	
COST (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
SF101: Aviation Engineering Analysis	0.000	0.000	3.544						Cont.	Cont.

Note

A new Program Element (PE)(1160422BB) and Project SF101 were established beginning in FY 2010 for Aviation Engineering Analysis. Resources were moved from PE 1160403BB, Special Operations Aviation Systems Advanced Development Project SF100.

A. Mission Description and Budget Item Justification

Provides a rapid response capability to support SOF fixed wing aircraft and unmanned aircraft systems. The purpose is to correct system deficiencies, improve asset life, and enhance mission capability through the means of feasibility studies, analysis of alternatives, pre-developmental risk reduction studies, and engineering analyses. This project provides the engineering required to improve the design and performance integrity of the aircraft support systems, sub-systems, equipment, and embedded computer software as they relate to the maintenance, overhaul, repair, quality assurance, modifications, materiel improvements, and service life extensions. Conduct risk reduction studies, analyses, and demonstrations to support emerging, time critical weapons and sensor enhancements.

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

	FY 2008	FY 2009	FY 2010	FY 2011
Aviation Engineering Analysis	0.000	0.000	3.544	
Aviation Engineering Analysis				
<i>FY 2010 Plans:</i> Perform engineering studies and analyses for Fixed Wing aviation SOF-unique equipment and missions.				

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

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

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