

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605502F I Small Business Innovation Research							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	304.921	-	-	-	-	-	-	-	-	Continuing	Continuing
663005: Small Business Innovation Research	-	304.921	-	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Implementation of 15 U.S.C., Section 638 to maximize the creative, innovative, and entrepreneurial spirit of small businesses to solve technological problems.												
B. Program Change Summary (\$ in Millions)				FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total				
Previous President's Budget				-	-	-	-	-				
Current President's Budget				304.921	-	-	-	-				
Total Adjustments				304.921	-	-	-	-				
• Congressional General Reductions				-	-							
• Congressional Directed Reductions				-	-							
• Congressional Rescissions				-	-							
• Congressional Adds				-	-							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-	-							
• SBIR/STTR Transfer				304.921	-							
• Other Adjustments				-	-	-	-	-				
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: Small Business Innovation Research									304.921	-	-	
Description: Small Business Innovation Research												
FY 2014 Accomplishments:												
Implemented the provisions of 15 U.S.C., Section 638, to maximize the creative, innovative, and entrepreneurial spirit of small businesses to solve technological problems. Integrated the needs and requirements of the Air Force into research and development topics that have military and commercial potential. During one such SBIR investment, AFRL and a small business partner responded to a request from the F-22 Program Office for a flight trainer for use in the field. The collaborators developed a deployable, game-based trainer prototype, which led to a follow-on \$3 million Phase III, Rapid Innovation Fund award for further development of the technology. Another SBIR project resulted in a technology called the Standard Space Trainer, which												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force		Date: February 2015		
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0605502F / <i>Small Business Innovation Research</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
<p>demonstrated an open modular approach to satellite operator training. The architecture developed is substantially different than the previous approach to satellite training where entire software suites based on the actual satellite system's operational code were developed for trainers. In the past, the Air Force spent \$80 to \$150 million on single satellite training systems. The SST capability developed and delivered high-fidelity training for five satellite systems for just around \$39 million in funding. In fact, a studies and analysis group at Air Education and Training Command estimates that this single SBIR program success will save the Air Force over \$200 million over the next five years.</p> <p>FY 2015 Plans: N/A</p> <p>FY 2016 Plans: N/A</p>				
Accomplishments/Planned Programs Subtotals		304.921	-	-
<p>D. Other Program Funding Summary (\$ in Millions) N/A</p> <p>Remarks</p> <p>E. Acquisition Strategy N/A</p> <p>F. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.</p>				