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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					PE 0605502F I Small Business Innovation Research							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	337.762	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
663005: Small Business Innovation Research	-	337.762	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Mission Description not provided.

B. Program Change Summary (\$ in Millions)

	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018 Base</u>	<u>FY 2018 OCO</u>	<u>FY 2018 Total</u>
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	337.762	0.000	0.000	0.000	0.000
Total Adjustments	337.762	0.000	0.000	0.000	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	337.762	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

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

	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>
Title: Small Business Innovation Research	337.762	-	-
Description: Small Business Innovation Research			
FY 2016 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 Air Force needs and requirements into research and development topics to enhance military and commercial potential. Applied pilot administration funding for enhanced outreach and communications in the form of Small Business Industry Days and participation in Small Business Administration national road shows. Utilized Direct to Phase II SBIR authority in the solicitation process to focus on potential rapid response solutions for warfighters. SBIR supported			

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
many small business matured technologies during 2016. For example, a process was transitioned which automates drilling and inspection for F-35 assembly at Lockheed Martin, a high accuracy hole cell at Warner-Robins, and for Boeing 777 assembly to achieve precise tolerances, archiving of data, and \$123M savings for the F-35 program. Another small business transitioned software which provides shop-wide visibility of test stand capabilities, resulting in a projected return on investment of at least 14:1, a 10 to 25 percent reduction in days Mission Impaired Capability Awaiting Parts in B-1 Avionics, and a five to 10 percent increase in capacity turns and throughput based on a detailed part and work status.				
Accomplishments/Planned Programs Subtotals		337.762	-	-
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy N/A				
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.				