

**UNCLASSIFIED**

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604200F I Future Advanced Weapon Analysis & Programs							
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	-	0.000	0.000	5.100	0.000	5.100	0.000	0.000	0.000	0.000	Continuing	Continuing
653133: Armament Subsystems	-	0.000	0.000	5.100	0.000	5.100	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

This program, BA 05 PE 0604200F, project 653133, 2030AS Weapons, is a new start.

**A. Mission Description and Budget Item Justification**

The Air Force Life Cycle Management Center, Armament Systems Development Division is conducting market research for a Next Generation Strike Weapon Analysis of Alternatives. Armament Systems Development seeks to better characterize the technological, manufacturing, and business capabilities of the industrial base to develop and produce a material solution to address this operational objective.

BA5 - This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.

<b><u>B. Program Change Summary (\$ in Millions)</u></b>	<b><u>FY 2016</u></b>	<b><u>FY 2017</u></b>	<b><u>FY 2018 Base</u></b>	<b><u>FY 2018 OCO</u></b>	<b><u>FY 2018 Total</u></b>
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	5.100	0.000	5.100
Total Adjustments	0.000	0.000	5.100	0.000	5.100
• 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	0.000	0.000			
• Other Adjustments	0.000	0.000	5.100	0.000	5.100

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

	<b><u>FY 2016</u></b>	<b><u>FY 2017</u></b>	<b><u>FY 2018 Base</u></b>	<b><u>FY 2018 OCO</u></b>	<b><u>FY 2018 Total</u></b>
<b><i>Title:</i></b> 2030AS Weapons	0.000	0.000	5.100	0.000	5.100

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
<p><b>Description:</b> The 2030+ Air Dominance Weapon Systems candidate concepts will develop, refine and integrate technologies into evolving threat scenarios and environments. Studies that refine system concepts and operational/system architectures to include family of systems and system of systems are required in support of the strategic choices. Technical risk reduction activities will be conducted to include experimentation, integration and building demonstrative prototypes.</p> <p>Includes A&amp;AS, travel, supplies, other government costs, AF top down bills, civilian pay and program costs to support the Air Superiority 2030 AoA.</p> <p><b>FY 2016 Accomplishments:</b> N/A</p> <p><b>FY 2017 Plans:</b> N/A</p> <p><b>FY 2018 Base Plans:</b> The 2030+ Air Dominance Weapon Systems candidate concepts will develop, refine and integrate technologies into evolving threat scenarios and environments. Studies that refine system concepts and operational/system architectures to include family of systems and system of systems are required in support of the strategic choices. Technical risk reduction activities will be conducted to include experimentation, integration and building demonstrative prototypes.</p> <p><b>FY 2018 OCO Plans:</b> N/A</p>						
<b>Accomplishments/Planned Programs Subtotals</b>		0.000	0.000	5.100	0.000	5.100
<b>D. Other Program Funding Summary (\$ in Millions)</b> N/A						
<b>Remarks</b>						
<b>E. Acquisition Strategy</b> Acquisition Strategy is competitive prototyping through the MS-B EMD phase						

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<b>F. Performance Metrics</b> 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.		