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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force										Date: February 2019		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0408011F I Special Tactics / Combat Control							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	4.266	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
646221: Ground-based Counter-IADS (C-IADS) Capability	-	4.266	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note
In FY 2019 Project 646221, A2AD (Anti-access and area denial) Threat Defeat was terminated

A. Mission Description and Budget Item Justification

Develop and field capabilities used to in identify, develop, modify, demonstrate, and integrate technical solutions that utilize coordinated effects in the avoidance and defeat of modern threat systems. Research existing and projected threats to systems as well as self-protection strategies and technologies, to develop counter-threat systems that deliver coordinated effects against threat systems.

In 2018 A2AD (Anti-access and area denial) Threat Defeat was a new start.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver nuclear weapon support capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, 0605898F, and 0605833F.

As directed in the FY 2018 NDAA, Sec 825, amendment to PL 114-92 FY 2016 NDAA, Sec 828 Penalty for Cost Overruns, the FY 2018 Air Force penalty total is \$14.373M. The calculated percentage reduction to each research, development, test and evaluation and procurement account will be allocated proportionally from all programs, projects, or activities under such account.

This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

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Appropriation/Budget Activity			R-1 Program Element (Number/Name)								
3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)			PE 0408011F I Special Tactics / Combat Control								
B. Program Change Summary (\$ in Millions)			FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total				
Previous President's Budget			4.500	0.000	0.000	0.000	0.000				
Current President's Budget			4.266	0.000	0.000	0.000	0.000				
Total Adjustments			-0.234	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			0.000	0.000							
• Other Adjustments			-0.234	0.000	0.000	0.000	0.000				
C. Accomplishments/Planned Programs (\$ in Millions)						FY 2018	FY 2019	FY 2020			
Title: A2AD (Anti-access and area denial) Threat Defeat						4.266	0.000	0.000			
Description: Develop and field capabilities used to in identify, develop, modify, demonstrate, and integrate technical solutions that utilize coordinated effects in the avoidance and defeat of modern threat systems. Research existing and projected threats to systems as well as self-protection strategies and technologies, to develop counter-threat systems that deliver coordinated effects against threat systems.											
FY 2019 Plans:											
N/A											
N/A											
FY 2020 Plans:											
N/A											
Accomplishments/Planned Programs Subtotals						4.266	0.000	0.000			
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• OPAF 03 Line item 837100: Tactical C-E Equipment	15.524	61.389	52.094	-	52.094	44.269	66.330	19.315	25.664	Continuing	Continuing

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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat Control</i>						
D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u> <u>Base</u>	<u>FY 2020</u> <u>OCO</u>	<u>FY 2020</u> <u>Total</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
Remarks											
E. Acquisition Strategy BAO Kit is executing initial prototype research and development for this effort. Development will include system engineering, design, integration and fielding for C-IADS and Indefinite Quantity system upgrades. Wright Patterson AFB, OH manages the contract effort											
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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Air Force												Date: February 2019		
Appropriation/Budget Activity 3600 / 4						R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat Control</i>				Project (Number/Name) 646221 / <i>Ground-based Counter-IADS (C-IADS) Capability</i>				

Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
A2AD Threat Defeat	TBD	Various : TBD	-	4.266		-		-		-		-	Continuing	Continuing	-
Subtotal			-	4.266		-		-		-		-	Continuing	Continuing	N/A

			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	4.266		0.000		-		-		-	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Air Force																Date: February 2019																					
Appropriation/Budget Activity 3600 / 4										R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat Control</i>										Project (Number/Name) 646221 / <i>Ground-based Counter-IADS (C-IADS) Capability</i>																	
										FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
N/A																																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Air Force		Date: February 2019
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0408011F / <i>Special Tactics / Combat Control</i>	Project (Number/Name) 646221 / <i>Ground-based Counter-IADS (C-IADS) Capability</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
N/A	1	2018	4	2018