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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
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 0207110F I Next Generation Air Dominance							
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	-	-	15.722	8.830	-	8.830	-	-	-	-	Continuing	Continuing
646007: 2030+ AIR DOMINANCE AOS	-	-	15.722	8.830	-	8.830	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Next Generation Air Dominance, PE27110F was an FY14 New Start. BPAC 646007, 2030+ Air Dominance AOS was created in FY15.

A. Mission Description and Budget Item Justification

This program develops a next generation Air Dominance capability in support of Air Force Air Superiority doctrine and mission area, as directed in Joint Requirements Oversight Council Memorandum (JROCM) 043-13. Program efforts mitigate critical capability gaps identified in the March 2011 Air Force Next Generation Tactical AIR (TACAIR) Capabilities Based Assessment. This program will provide air superiority capability improvements in the areas of persistence, survivability, lethality, connectivity, interoperability, and affordability. Funding supports program management support, operational concept exploration, technology assessments and development, operational and system architecture development, maturation and risk reduction of advanced Air Superiority related technologies, and integrated system concept development and demonstration.

BA-04 - This program 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.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	-	15.722	3.889	-	3.889
Current President's Budget	-	15.722	8.830	-	8.830
Total Adjustments	-	-	4.941	-	4.941
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	4.941	-	4.941

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Change Summary Explanation FY16 - \$5.0M add to fund pre-AoA concept development & integration assessment and technology risk reduction activities.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Title: 2030+ Air Dominance Concept Development Description: 2030+ Air Dominance Concept Development consists of operational analyses, threat studies and technology candidate assessments to identify operational concepts and technologies that improve persistence, survivability, lethality, connectivity, interoperability and affordability in 2030 and beyond. This effort will provide for prime contractor support manpower to conduct analyses, identify technology candidates and complete concept studies. FY 2014 Accomplishments: N/A FY 2015 Plans: The 2030+ Air Dominance Concept Development working groups will be methodically assessing the candidate concepts utilizing USAF directives and guidance FY 2016 Plans: The 2030+ Air Dominance Concept Development working groups will be methodically assessing the candidate concepts utilizing USAF directives and guidance		-	8.722	5.580
Title: Air Dominance Studies Description: Studies that support the 2030+AD program in refining system concepts and operational/system architectures to include family of systems and system of systems. FY 2014 Accomplishments: N/A FY 2015 Plans: The 2030+AD candidate concepts are integrating leading edge technologies into evolving threat environments and scenarios. Studies that refine system concepts and operational/system architectures to include family of systems and system of systems are required in support of the Analysis of Alternatives. FY 2016 Plans:		-	1.000	0.500

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C. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016
The 2030+AD candidate concepts are integrating leading edge technologies into evolving threat environments and scenarios. Studies that refine system concepts and operational/system architectures to include family of systems and system of systems are required in support of the Analysis of Alternatives.											
Title: Air Dominance Technical Risk Reduction Description: Industry informed government concepts are developed through technical risk reduction work with prime contractors to refine technology integration and system design trade space as well as operational analysis to inform system performance trades. FY 2014 Accomplishments: N/A FY 2015 Plans: 2030+ Air Dominance technology integration, operational and system trade space analysis required to support Concept Development. FY 2016 Plans: 2030+ Air Dominance technology integration, operational and system trade space analysis required to support Concept Development.									-	5.000	2.000
Title: Program Management Support Description: PMA includes A&AS, travel, supplies and other program office costs FY 2014 Accomplishments: N/A FY 2015 Plans: PMA includes A&AS, travel, supplies and other program office costs FY 2016 Plans: PMA includes A&AS, travel, supplies and other program office costs									-	1.000	0.750
Accomplishments/Planned Programs Subtotals									-	15.722	8.830
D. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• N/A: None	-	-	-	-	-	-	-	-	-	-	-

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D. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2016</u>	<u>FY 2016</u>	<u>FY 2016</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Complete</u>	<u>Total Cost</u>
Remarks N/A											
E. Acquisition Strategy The Next Generation Air Dominance acquisition strategy is based on top-down, multi-domain capabilities development planning and oversight framework. Cross-functional capability teams will conduct war-games and experiments to quantify the operational value of alternative advanced concepts and the advanced technologies to provide solutions to current and future air superiority capability gaps.											
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 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 4						R-1 Program Element (Number/Name) PE 0207110F / Next Generation Air Dominance						Project (Number/Name) 646007 / 2030+ AIR DOMINANCE AOS			
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Program Office	Various	Not specified. : ,	-	-		1.000		0.750		-		0.750	Continuing	Continuing	-
Subtotal			-	-		1.000		0.750		-		0.750	-	-	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Research/Development Efforts	Various	Not specified. : ,	-	-		14.722		8.080		-		8.080	Continuing	Continuing	-
Subtotal			-	-		14.722		8.080		-		8.080	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Subtotal			-	-		-		-		-		-	-	-	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Subtotal			-	-		-		-		-		-	-	-	-
Project Cost Totals			-	-		15.722		8.830		-		8.830	-	-	-
Remarks Details of contract data are not shown because of the level of security classification.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force											Date: February 2015				
Appropriation/Budget Activity 3600 / 4						R-1 Program Element (Number/Name) PE 0207110F / Next Generation Air Dominance						Project (Number/Name) 646007 / 2030+ AIR DOMINANCE AOS			

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Pre-Material Development Decision																												
Pre-Analysis of Alternatives																												
Material Development Decision																												
Analysis of Alternatives																												
Milestone A																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0207110F / <i>Next Generation Air Dominance</i>	Project (Number/Name) 646007 / <i>2030+ AIR DOMINANCE AOS</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Pre-Material Development Decision	1	2015	4	2016
Pre-Analysis of Alternatives	1	2015	1	2017
Material Development Decision	4	2016	4	2016
Analysis of Alternatives	2	2017	3	2018
Milestone A	3	2018	3	2018