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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 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604858F I Tech Transition Program							
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	-	48.194	79.004	246.514	-	246.514	288.148	416.547	525.555	598.930	Continuing	Continuing
645350: Transition Prioritization	-	48.194	79.004	246.514	-	246.514	288.148	416.547	525.555	598.930	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Technology Transition Program (TTP) provides funding to mature and demonstrate technologies to enable or accelerate their transition to legacy or acquisition programs of record. It addresses the gap that exists between when a technology is first demonstrated and when it can be successfully acquired as an operational capability. TTP bridges that gap by funding promising system and subsystem concepts for technology integration and demonstration to continue beyond the laboratory. It allows acquisition program managers (the developers and providers) and warfighters (the end users) to integrate, prototype, and demonstrate candidate technologies and assess them in an operational environment. As a result, the warfighters can assess the capability first-hand and accurately fund the follow-on acquisition program during the next budgeting cycle. TTP includes research and development funds for the following transition activities: prototyping of promising, high-priority concepts and technologies in an operational environment to lower acquisition risk by raising the technology readiness level; performing pre-acquisition systems engineering to facilitate transition from a demonstration program into acquisition programs of record; assessing interface requirements of candidate concepts, technologies, and demonstration projects to better understand true engineering costs resulting from insertion of new technologies into the Air Force architecture; and capturing data through information technology tools and databases to help formulate strategies and gather proposals for development that have the potential to perform Department of Defense (DoD) missions. The program provides funding to mature adaptive turbine engine technologies for next generation propulsion systems. The program will leverage adaptive turbine engine science and technology demonstrations to develop a multi-platform common adaptive engine built around a commercially derived core. It will enable multiple high confidence engine acquisition programs through the common engine architecture, and accomplishment of early risk reduction and early competition prior to an acquisition program.

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.

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B. Program Change Summary (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget		48.636	59.004	78.153	-	78.153
Current President's Budget		48.194	79.004	246.514	-	246.514
Total Adjustments		-0.442	20.000	168.361	-	168.361
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	20.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-0.442	-			
• Other Adjustments		-	-	168.361	-	168.361
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 645350: Transition Prioritization						
Congressional Add: Alternative Energy Research						
Congressional Add Subtotals for Project: 645350						
Congressional Add Totals for all Projects						
Change Summary Explanation						
FY16 increase due to accelerated funding to support Adaptive Engine Transition Program.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2014	FY 2015	FY 2016
Title: Propulsion Technology Transition				12.306	57.854	243.670
Description: Next generation jet engine technology.						
FY 2014 Accomplishments: Completed component risk reduction and core engine preliminary design. Continued preliminary engine design activities, as well as weapons systems integration, common core studies, and material manufacturing readiness activities.						
FY 2015 Plans:						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Complete preliminary design reviews of engine concepts to mature adaptive engine technologies and manufacturing readiness. Purchase materials and hardware to support adaptive engine component rig tests and future adaptive engine core tests.				
FY 2016 Plans: Complete adaptive engine component rig tests. Begin and complete adaptive engine core tests.				
Title: Sustainment Technology Transition Technology Description: Product support and sustainment technologies.		0.888	1.150	2.844
FY 2014 Accomplishments: Continued prototype of high-priority concepts and technologies in an operational or operational-like environment.				
FY 2015 Plans: Continue prototype of high-priority concepts and technologies in an operational or operational-like environment.				
FY 2016 Plans: Prototype high-priority concepts and technologies in an operational or operational-like environment.				
Accomplishments/Planned Programs Subtotals		13.194	59.004	246.514
		FY 2014	FY 2015	
Congressional Add: Alternative Energy Research		35.000	20.000	
FY 2014 Accomplishments: Conducted congressionally directed effort.				
FY 2015 Plans: Conducted congressionally directed effort.				
Congressional Adds Subtotals		35.000	20.000	
D. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
E. Acquisition Strategy				
Technology Transition Program (TTP) enables a more effective and prioritized transition of technologies to the warfighter. It allows more accurate cost estimating and more comprehensive systems integration to occur through the use of prototypes and user assessments until the sponsoring major command can incorporate the technology into their subsequent budget submission. The Air Force, through appropriate program offices, will manage the acquisition and development process for the integration and fielding of Service Acquisition Executive approved TTP projects.				

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PE 0604858F: *Tech Transition Program*
Air Force

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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 0604858F / Tech Transition Program				Project (Number/Name) 645350 / Transition Prioritization					
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
Sustainment Technology Transition	Various	TBD : TBD,	-	-		1.150	Jul 2015	2.844	Jul 2016	-		2.844	Continuing	Continuing	-
Propulsion Technologies	C/CPFF	GE and P&W : Various,	-	13.194	Oct 2013	57.854	Oct 2014	243.670	Jun 2016	-		243.670	Continuing	Continuing	TBD
Congressional Add	C/CPAF	Various : ,	-	35.000	Aug 2015	20.000	Aug 2016	-		-		-	Continuing	Continuing	-
Subtotal			-	48.194		79.004		246.514		-		246.514	-	-	-
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
Subtotal			-	-		-		-		-		-	-	-	-
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			-	-		-		-		-		-	-	-	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	48.194		79.004		246.514		-		246.514	-	-	-
Remarks N/A															

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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 0604858F / Tech Transition Program

Project (Number/Name)
645350 / Transition Prioritization

	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
Sustainment Technology Transition																												
Propulsion Technology Transition																												

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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 0604858F / Tech Transition Program	Project (Number/Name) 645350 / Transition Prioritization	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Sustainment Technology Transition	1	2016	4	2020
Propulsion Technology Transition	1	2014	4	2020