

UNCLASSIFIED

PE NUMBER: 0708026F

PE TITLE: Productivity, Reliability, Availability, Maintainability Program

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2005

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0708026F Productivity, Reliability, Availability, Maintainability Program

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	8.675	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
2146 PRAM	8.675	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

Note: Program was terminated in FY 2004 due to higher Air Force priorities. However, Congress added funds for special interest projects in FY 2004.

(U) **A. Mission Description and Budget Item Justification**

This program emphasizes the rapid incorporation of reliability and maintainability (R&M) technology 'fixes' that will improve the operational capability of weapon systems and equipment at a significantly lower cost. Productivity, Reliability, Availability, Maintainability (PRAM) accomplishes this by utilizing existing off-the-shelf and emerging technologies and adapting them to specific Air Force and joint-Service weapon systems and processes to solve near-term deficiencies. This program is in Budget Activity 7, Operational System Development since it provides support to systems in operational use.

(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	8.924	0.000	0.000	0.000
(U) Current PBR/President's Budget	8.675	0.000	0.000	0.000
(U) Total Adjustments	-0.249	0.000		
(U) Congressional Program Reductions				
Congressional Rescissions				
Congressional Increases				
Reprogrammings				
SBIR/STTR Transfer	-0.249			

(U) **Significant Program Changes:**

Program was terminated in FY 2004 due to higher Air Force priorities. However, Congress added funds for special interest projects in FY 2004.

C. Performance Metrics

Under Development.

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Exhibit R-2a, RDT&E Project Justification

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PROJECT NUMBER AND TITLE

2146 PRAM

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2146 PRAM	8.675	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

Note: Program was unfunded in FY 2004 due to higher Air Force priorities. However, Congress added funds for special interest projects in FY 2004.

(U) **A. Mission Description and Budget Item Justification**

This program emphasizes the rapid incorporation of reliability and maintainability (R&M) technology 'fixes' that will improve the operational capability of weapon systems and equipment at a significantly lower cost. Productivity, Reliability, Availability, Maintainability (PRAM) accomplishes this by utilizing existing off-the-shelf and emerging technologies and adapting them to specific Air Force and joint-Service weapon systems and processes to solve near-term deficiencies. This program is in Budget Activity 7, Operational System Development since it provides support to systems in operational use.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) CONGRESSIONAL ADD: Turbine Engine Sustainment Initiative.	3.373	0.000	0.000	0.000
(U) In FY 2004: Continued efforts to develop non-destructive inspection tools to identify embedded defects in turbine engine components and deliver the technology for evaluation.				
(U) In FY 2005: Not Applicable.				
(U) In FY 2006: Not Applicable.				
(U) In FY 2007: Not Applicable.				
(U)				
(U) CONGRESSIONAL ADD: Lean Depot Engine Repair (LEADER).	4.338	0.000	0.000	0.000
(U) In FY 2004: Continued efforts to install lean production cells to reduce man-hours and increase production throughput on turbine engines.				
(U) In FY 2005: Not Applicable.				
(U) In FY 2006: Not Applicable.				
(U) In FY 2007: Not Applicable.				
(U)				
(U) CONGRESSIONAL ADD: Inspection Technology for Turbine Engines.	0.964	0.000	0.000	0.000
(U) In FY 2004: Continued efforts to develop non-destructive inspection tools to identify embedded defects in turbine engine components and deliver the technology for evaluation.				
(U) In FY 2005: Not Applicable.				
(U) In FY 2006: Not Applicable.				
(U) In FY 2007: Not Applicable.				
(U) Total Cost	8.675	0.000	0.000	0.000

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(U) **C. Other Program Funding Summary (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	

(U) Related Activities:

(U) PE 0605011F, RDT&E for
Aging Aircraft.(U) **D. Acquisition Strategy**

All projects within this Program Element are awarded competitively, either by full and open competition, or by amending task order contracts with competition for subcontracts.

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Exhibit R-3, RDT&E Project Cost Analysis

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(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &</u> <u>Type</u>	<u>Performing</u> <u>Activity &</u> <u>Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2004</u> <u>Cost</u>	<u>FY 2004</u> <u>Cost</u>	<u>FY 2004</u> <u>Award</u> <u>Date</u>	<u>FY 2005</u> <u>Cost</u>	<u>FY 2005</u> <u>Award</u> <u>Date</u>	<u>FY 2006</u> <u>Cost</u>	<u>FY 2006</u> <u>Award</u> <u>Date</u>	<u>FY 2007</u> <u>Cost</u>	<u>FY 2007</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
Numerous	Various											0.000	0.000	
General Atomics	Various											0.000	0.000	
Lockheed Martin	Various											0.000	0.000	
ARINC	T&M											0.000	0.000	
Battelle	T&M											0.000	0.000	
Lockheed Sanders	T&M											0.000	0.000	
Southwest Research	T&M											0.000	0.000	
CACI	T&M											0.000	0.000	
NCI Information Systems	T&M											0.000	0.000	
General Dynamics	TBD											0.000	0.000	
UDRI	CPFF			3.925									3.925	
TBD	T&M			3.947									3.947	
Numerous	Various			0.803									0.803	
None													0.000	
Subtotal Product Development			0.000	8.675		0.000		0.000		0.000		0.000	8.675	0.000
Remarks:														
(U) <u>Support</u>														
None													0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
None													0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Management</u>														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	8.675		0.000		0.000		0.000		0.000	8.675	0.000

Exhibit R-4, RDT&E Schedule Profile

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PRAM Schedule

		FY 04	FY 05	FY 06	FY 07
		1Q2Q3Q4Q	1Q2Q3Q4Q	1Q2Q3Q4Q	1Q2Q3Q4Q
Turb Eng Sustain					
	Cont Proj	_____			
	RFP	_____▲			
	Contract		_____▲		
Lean Depot Eng Repair					
	Cont Proj	_____			
	RFP	_____▲			
	Contract		_____▲		
Inspect Tech Turbine Eng					
	Cont Proj	_____			
	RFP	_____▲			
	Contract		_____▲		

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Exhibit R-4a, RDT&E Schedule Detail

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(U) Schedule ProfileFY 2004FY 2005FY 2006FY 2007

(U) Turbine Engine Sustainment

1-4Q

(U) Request for Proposal Release

1-2Q

(U) Contract Award

3-4Q

(U) Lean Depot Engine Repair

1-4Q

(U) Request for Proposal Release

1-2Q

(U) Contract Award

3-4Q

(U) Inspection Technology for Turbine Engines

1-4Q

(U) Request for Proposal Release

1-2Q

(U) Contract Award

3-4Q