

**UNCLASSIFIED**

PE NUMBER: 0603205F  
 PE TITLE: Flight Vehicle Technology

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>	DATE <b>February 2004</b>
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<b>BUDGET ACTIVITY</b> <b>03 Advanced Technology Development (ATD)</b>	<b>PE NUMBER AND TITLE</b> <b>0603205F Flight Vehicle Technology</b>
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Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	3.463	0.992	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
4398 Air Base Technology	3.463	0.992	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

Note: In FY 2003, remaining efforts transferred to PE 0603112, Project 4918. However, Congress added \$3.5 million for environmental sensing and monitoring systems (E-SMART) Chemical and Biological Sensors in FY 2003. In FY 2004, Congress added \$1.0 million for Air Force Research Laboratory (AFRL) Study of Legacy Tactical Aircraft.

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

Prior to FY 2003, this project developed technologies for fixed and bare base operations, including airfield pavements, energy systems, air base survivability, air base recovery, protective systems, airfield fire protection, and crash rescue.

This program is in the Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for exhibiting new systems development that have military utility and address warfighter needs.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	3.463	0.000	0.000
(U) Current PBR/President's Budget	3.463	0.992	0.000
(U) Total Adjustments	0.000	0.992	
(U) Congressional Program Reductions			
Congressional Rescissions		-0.008	
Congressional Increases		1.000	
Reprogrammings			
SBIR/STTR Transfer			

**(U) Significant Program Changes:**

In FY 2003, remaining efforts transferred to PE 0603112F, Project 4918. However, Congress has added funds for special interest projects since FY 2003.

**Exhibit R-2a, RDT&E Project Justification**

DATE  
**February 2004**

BUDGET ACTIVITY <b>03 Advanced Technology Development (ATD)</b>				PE NUMBER AND TITLE <b>0603205F Flight Vehicle Technology</b>			PROJECT NUMBER AND TITLE <b>4398 Air Base Technology</b>		
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
4398 Air Base Technology	3.463	0.992	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

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

Prior to FY 2003, this project developed technologies for fixed and bare base operations, including airfield pavements, energy systems, air base survivability, air base recovery, protective systems, airfield fire protection, and crash rescue.

This program is in the Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for exhibiting new systems development that have military utility and address warfighter needs.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) CONGRESSIONAL ADD: Develop and integrate additional capabilities into the environmental sensing and monitoring system (E-SMART™) system.	3.463	0.000	0.000
(U) In FY 2003, Continued Congressionally-directed effort to develop and integrate additional chemical and biological sensor and monitoring technologies into the E-SMART™ system.			
(U) In FY 2004: Funds for this effort were appropriated in PE 0603112F, Advanced Materials for Weapon Systems.			
(U) In FY 2005: Not Applicable.			
(U) CONGRESSIONAL ADD: Conduct a study into service life extension potentials for legacy tactical aircraft.	0.000	0.992	0.000
(U) In FY 2003: Not Applicable.			
(U) In FY 2004, Initiate Congressionally-directed AFRL Study of Legacy Tactical Aircraft.			
(U) In FY 2005: Not Applicable.			
(U) Total Cost	3.463	0.992	0.000

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

	<u>FY 2003</u>	<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>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>Complete</u>	
(U) Related Activities:									
(U) PE 0603112F, Advanced Materials for Weapon Systems.									
(U) This project was coordinated through the Reliance process to harmonize efforts and eliminate duplication.									

Exhibit R-2a, RDT&E Project Justification

DATE

February 2004

BUDGET ACTIVITY

03 Advanced Technology Development (ATD)

PE NUMBER AND TITLE

0603205F Flight Vehicle Technology

PROJECT NUMBER AND TITLE

4398 Air Base Technology

(U) D. Acquisition Strategy

Not Applicable.