

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2003

BUDGET ACTIVITY

04 - Advanced Component Development and Prototypes
(ACD&P)

PE NUMBER AND TITLE

0603859F Pollution Prevention

PROJECT

4852

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
4852 Pollution Prevention	0	3,678	2,318	2,799	2,827	2,875	2,917	2,956	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) A. Mission Description

Funds will be used to target R&D activities that demonstrate and validate alternative aircraft painting/depainting, maintenance processes that reduce compliance burden associated with National Emissions Standards for Hazardous Air Pollutants (Clean Air Act driven), and other hazardous waste reduction Dem/Val requirements. Specifically, funds will target pollution prevention technologies, including replacement of chromate conversion coating on aluminum and magnesium based metals, nonchromated primers to replace zinc chromate, and environmentally safe replacement for cadmium plating.

(U) FY 2002 (\$ in Thousands)

(U) \$0 Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste
 (U) \$0 Clean Air Act
 (U) \$0 Clean Water Act
 (U) \$0 Hazardous Material Reduction
 (U) \$0 Other
 (U) \$0 Total

(U) FY 2003 (\$ in Thousands)

(U) \$798 Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste
 (U) \$2,278 Clean Air Act
 (U) \$199 Clean Water Act
 (U) \$299 Hazardous Material Reduction
 (U) \$104 Other
 (U) \$3,678 Total

Project 4852

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(U) **A. Mission Description Continued**(U) **FY 2004 (\$ in Thousands)**

(U) \$848	Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste
(U) \$919	Clean Air Act
(U) \$167	Clean Water Act
(U) \$296	Hazardous Material Reduction
(U) \$88	Other
(U) \$2,318	Total

(U) **B. Budget Activity Justification**

This program is in Budget Authority (BA) 4, Demonstration and Validation, because this account is primarily for Research, Demonstration, Testing and Evaluation demonstration and validation of pollution prevention technologies to eliminate/reduce hazardous materials/waste and overall total ownership costs to the Air Force.

(U) **C. Program Change Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
(U) Previous President's Budget	2,688	2,743	2,371	TBD
(U) Appropriated Value	0	2,743		
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions		-65		
b. Small Business Innovative Research				
c. Omnibus or Other Above Threshold Reprogram				
d. Below Threshold Reprogram				
e. Rescissions				
(U) Adjustments to Budget Years Since FY 2003 PBR		1,000	-53	
(U) Current Budget Submit/FY 2004 PBR	0	3,678	2,318	TBD

'Other' represents non-pay inflation adjustments to current budget year.

(U) **Significant Program Changes:**

FY02 budget request zeroed out by congressional action in FY02 Defense Appropriations Act.

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(U) **D. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</u>	<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>Estimate</u>	<u>Complete</u>	
(U) AF RDT&E										
(U) Other APPN										
Not Applicable										

(U) **E. Acquisition Strategy**

Pollution Prevention activities are level of effort and use time and materials support contracts.

(U) **F. Schedule Profile**

	<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>			
	1	2	3	4	1	2	3	4	1	2	3	4
(U) Prototype Development					*				X			
(U) Demonstration/Validation						X	X			X	X	
(U) Contract Completion								X				X

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2003																																																																																																																																										
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	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Subtotals</u>	<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development	680	0	1,800	913	TBD	TBD
Subtotal Support and Management	706	0	667	183	TBD	TBD
Subtotal Test and Evaluation	1,022	0	1,211	1,222	TBD	TBD
Total Project	2,408	0	3,678	2,318	TBD	TBD
<div style="display: flex; justify-content: space-between;"> Project 4852 Page 5 of 5 Pages Exhibit R-3 (PE 0603859F) </div>						