

UNCLASSIFIED

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

DATE

June 2001

BUDGET ACTIVITY

04 - Demonstration and Validation

PE NUMBER AND TITLE

0603859F Pollution Prevention

PROJECT

4852

COST (\$ in Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
4852 Pollution Prevention	0	2,519	2,688	2,750	2,809	2,867	2,927	2,989	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

All funds were transferred from PE 65854f, Budget Activity 6 (Management & Support) to PE 63859f, Budget Activity 4 (Demonstration and Validation) beginning in FY01 to reflect the primary purpose of the funding profile; i.e. RDT&E Dem/Val of Pollution Prevention Technologies. See R-doc for PE 65854f for FY00 program summary.

(U) **A. Mission Description**

FY01 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 2000 (\$ in Thousands)**

(U) \$0 No Activity

(U) \$0 Total

(U) **FY 2001 (\$ in Thousands)**

(U) \$500 Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste

(U) \$100 Resource Conservation and Recovery Act (RCRA) Subtitle D - Solid Waste

(U) \$899 Clean Air Act

(U) \$235 Clean Water Act

(U) \$549 Hazardous Material Reduction

(U) \$236 Other

(U) \$2,519 Total

Project 4852

Page 1 of 5 Pages

Exhibit R-2 (PE 0603859F)

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BUDGET ACTIVITY 04 - Demonstration and Validation	PE NUMBER AND TITLE 0603859F Pollution Prevention		PROJECT 4852																																																																								
<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2002 (\$ in Thousands)</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 10%;">(U) \$763</td> <td>Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste</td> </tr> <tr> <td>(U) \$1,320</td> <td>Clean Air Act</td> </tr> <tr> <td>(U) \$195</td> <td>Clean Water Act</td> </tr> <tr> <td>(U) \$293</td> <td>Hazardous Material Reduction</td> </tr> <tr> <td>(U) \$117</td> <td>Other</td> </tr> <tr> <td>(U) \$2,688</td> <td>Total</td> </tr> </table> <p>(U) <u>B. Budget Activity Justification</u></p> <p>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. BA 6, Management and Support, was the prior BA that will terminate the end of FY00.</p> <p>(U) <u>C. Program Change Summary (\$ in Thousands)</u></p> <table style="width: 100%; border: none;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>FY 2000</u></th> <th style="text-align: center;"><u>FY 2001</u></th> <th style="text-align: center;"><u>FY 2002</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget (FY 2001 PBR)</td> <td></td> <td style="text-align: center;">2,543</td> <td style="text-align: center;">2,672</td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td></td> <td style="text-align: center;">2,543</td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> a. Congressional/General Reductions</td> <td></td> <td style="text-align: center;">-24</td> <td></td> <td></td> </tr> <tr> <td> b. Small Business Innovative Research</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> c. Omnibus or Other Above Threshold Reprogram</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> d. Below Threshold Reprogram</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> e. Rescissions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2001 PBR</td> <td></td> <td></td> <td style="text-align: center;">16</td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2002 PBR</td> <td></td> <td style="text-align: center;">2,519</td> <td style="text-align: center;">2,688</td> <td style="text-align: center;">TBD</td> </tr> <tr> <td colspan="5">'Other' represents non-pay inflation adjustments to current budget year.</td> </tr> </tbody> </table> <p>(U) <u>Significant Program Changes:</u> None.</p>				(U) \$763	Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste	(U) \$1,320	Clean Air Act	(U) \$195	Clean Water Act	(U) \$293	Hazardous Material Reduction	(U) \$117	Other	(U) \$2,688	Total		<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Total Cost</u>	(U) Previous President's Budget (FY 2001 PBR)		2,543	2,672	TBD	(U) Appropriated Value		2,543			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions		-24			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 2001 PBR			16		(U) Current Budget Submit/FY 2002 PBR		2,519	2,688	TBD	'Other' represents non-pay inflation adjustments to current budget year.				
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	<u>FY 2000</u>	<u>FY 2001</u>	<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>Cost to</u>	<u>Total Cost</u>																																																																																								
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Project 4852
Page 3 of 5 Pages
Exhibit R-2 (PE 0603859F)

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE June 2001				
BUDGET ACTIVITY 04 - Demonstration and Validation				PE NUMBER AND TITLE 0603859F Pollution Prevention			PROJECT 4852				
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>											
					<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>				
(U)	Development Test and Evaluation					423		444			
(U)	Operational Test and Evaluation					749		1,156			
(U)	Contractor Engineering Support					1,082		787			
(U)	Program Management Support					200		210			
(U)	Miscellaneous					65		91			
(U)	Total					2,519		2,688			
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
(U) <u>Performing Organizations:</u>											
	<u>Contractor or Government</u>	<u>Contract Method/Type or Funding Vehicle</u>	<u>Award or Obligation Date</u>	<u>Performing Activity EAC</u>	<u>Project Office EAC</u>	<u>Total Prior to FY 2000</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget FY 2002</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Product Development Organizations</u>										
	Air Force Research Lab	TBD	30 Mar 00	N/A	N/A	0	0	711	842	Continuing	TBD
	<u>Support and Management Organizations</u>										
	Aerospace Systems Center	TBD	30 Mar 00	N/A	N/A	0	0	739	528	Continuing	TBD
	<u>Test and Evaluation Organizations</u>										
	Air Force Research Lab	TBD	30 Mar 00	N/A	N/A	0	0	1,069	1,318	Continuing	TBD
(U) <u>Government Furnished Property:</u>											
	<u>Item Description</u>	<u>Contract Method/Type or Funding Vehicle</u>	<u>Award or Obligation Date</u>	<u>Delivery Date</u>		<u>Total Prior to FY 2000</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget FY 2002</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Product Development Property</u>										
	None										
	<u>Support and Management Property</u>										
	None										
Project 4852						Page 4 of 5 Pages		Exhibit R-3 (PE 0603859F)			

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)					DATE June 2001	
BUDGET ACTIVITY			PE NUMBER AND TITLE			PROJECT
04 - Demonstration and Validation			0603859F Pollution Prevention			4852
(U) Government Furnished Property Continued:						
Test and Evaluation Property						
None						
	<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 2000</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development	0	0	711	842	TBD	TBD
Subtotal Support and Management	0	0	739	528	TBD	TBD
Subtotal Test and Evaluation	0	0	1,069	1,318	TBD	TBD
Total Project	0	0	2,519	2,688	TBD	TBD
</						