

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE February 2000
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BUDGET ACTIVITY 04 - Demonstration and Validation	PE NUMBER AND TITLE 0603859F Pollution Prevention	PROJECT 644852
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COST (\$ in Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
644852 Pollution Prevention	0	0	2,543	2,672	2,732	2,787	2,842	Continuing	TBD
Quantity of RDT&E Articles	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 FY99 and FY00 program summaries.

(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 1999 (\$ in Thousands)

- (U) \$0** No Activity
- (U) \$0** Total

(U) FY 2000 (\$ in Thousands)

- (U) \$0** No Activity
- (U) \$0** Total

(U) FY 2001 (\$ in Thousands)

- (U) \$518** 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) \$242** Other
- (U) \$2,543** Total

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<p>(U) <u>B. Budget Activity Justification</u> 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>																																																																																																																																																												
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(U) **F. Schedule Profile**

	<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4
(U) Prototype Development									X			
(U) Demonstration/Validation										X	X	
(U) Contract Completion												X

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2000			
BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT		
04 - Demonstration and Validation				0603859F Pollution Prevention				644852		
(U) A. Project Cost Breakdown (\$ in Thousands)										
						<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>
(U)	Development Test and Evaluation									423
(U)	Operational Test and Evaluation									749
(U)	Contractor Engineering Support									1,100
(U)	Program Management Support									200
(U)	Miscellaneous									71
(U)	Total									2,543
(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)										
(U) Performing Organizations:										
	<u>Contractor or</u>	<u>Contract</u>								
	<u>Government</u>	<u>Method/Type</u>	<u>Award or</u>	<u>Performing</u>	<u>Project</u>					
	<u>Performing</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Activity</u>	<u>Office</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
	<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>
										<u>Total</u>
										<u>Program</u>
	<u>Product Development Organizations</u>									
	Air Force Research Lab	TBD	UNK	N/A	N/A	0	0	0	711	711
	Aerospace Systems Center	TBD	UNK	N/A	N/A	0	0	0	815	815
	<u>Support and Management Organizations</u>									
	Aerospace Systems Center	TBD	UNK	N/A	N/A	0	0	0	757	757
	<u>Test and Evaluation Organizations</u>									
	NDCEE	TBD	UNK	N/A	N/A	0	0	0	260	260
(U) Government Furnished Property:										
		<u>Contract</u>								
		<u>Method/Type</u>	<u>Award or</u>							
	<u>Item</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Delivery</u>		<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
	<u>Description</u>	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>		<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>
										<u>Total</u>
										<u>Program</u>
	<u>Product Development Property</u>									
	None									

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE February 2000
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(U) Government Furnished Property Continued:

Support and Management Property

None

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 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development	0	0	0	1,526		1,526
Subtotal Support and Management	0	0	0	757		757
Subtotal Test and Evaluation	0	0	0	260		260
Total Project	0	0	0	2,543		2,543