PE NUMBER: 0603859F
PE TITLE: Pollution Prevention

Exhibit R-2, RDT&E Budget Item Justification

DATE **February 2008**

BUDGET ACTIVITY
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE
0603859F Pollution Prevention

Cost ($ in Millions)	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	6.829	10.968	2.877	2.945	2.991	3.050	3.112	Continuing	TBD
4852 Pollution Prevention	6.829	10.968	2.877	2.945	2.991	3.050	3.112	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

Funds will be used to target R&D activities that demonstrate and prototype alternative weapon system 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 development/prototype 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 replacements for cadmium and chrome plating. This progam is Budget Activity (BA) 4, Advanced Component Development and Prototypes, because this account is primarily for development and prototyping of pollution prevention technologies to eliminate/reduce hazardous materials/waste and overall total ownership costs to the Air Force.

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

		FY 2007	FY 2008	FY 2009
(U)	Previous President's Budget	7.026	2.838	2.901
(U)	Current PBR/President's Budget	6.829	10.968	2.877
(U)	Total Adjustments	-0.197		
(U)	Congressional Program Reductions			
	Congressional Rescissions			
	Congressional Increases			
	Reprogrammings			
	SBIR/STTR Transfer	-0.197		
(U)	Significant Program Changes:			

Exhibit R-2a, RDT&E Project Justification

DATE **February 2008**

BUDGET ACTIVITY: **04 Advanced Component Development and Prototypes (ACD&P)**

PE NUMBER AND TITLE: **0603859F Pollution Prevention**

PROJECT NUMBER AND TITLE: **4852 Pollution Prevention**

Cost ($ in Millions)	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
4852 Pollution Prevention	6.829	10.968	2.877	2.945	2.991	3.050	3.112	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

Funds will be used to target R&D activities that demonstrate and prototype alternative weapon system 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 development/prototype 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 replacements for cadmium and chrome plating. This progam is Budget Activity (BA) 4, Advanced Component Development and Prototypes, because this account is primarily for development and prototyping of pollution prevention technologies to eliminate/reduce hazardous materials/waste and overall total ownership costs to the Air Force.

(U) B. Accomplishments/Planned Program ($ in Millions)	FY 2007	FY 2008	FY 2009
(U) Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste Compliance Burden Reduction	1.119	1.073	1.097
(U) Clean Air Act Compliance Burden Reduction	0.954	2.100	1.128
(U) O2 Diesel Air Quality Improvement (Congressional Insert)	0.968	6.000	0.000
(U) Clean Water Act Compliance Burden Reduction	0.209	0.200	0.205
(U) Hazardous Material Use Reduction	0.371	0.356	0.340
(U) Other	0.110	0.105	0.107
(U) Automating DoD Processes for Depot Transformation (Congressional Insert)	2.130	1.134	0.000
(U) Assessment of Alternate Energy for Aircraft Ground Equipment (Congressional Insert)	0.968	0.000	0.000
(U) Total Cost	6.829	10.968	2.877

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

	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total Cost
(U) Not Applicable									

(U) D. Acquisition Strategy

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

Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2008

BUDGET ACTIVITY
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE
0603859F Pollution Prevention

PROJECT NUMBER AND TITLE
4852 Pollution Prevention

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2007 Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development												
Air Force Research Lab	Various	Various	7.566	1.972	Apr-07	3.856	Apr-08	0.805	Apr-09	Continuing	TBD	TBD
Subtotal Product Development			7.566	1.972		3.856		0.805		Continuing	TBD	TBD
Remarks:												
(U) Support												
Air Force Research Lab	Various	Various	6.292	1.657	Apr-07	0.660	Apr-08	0.652	Apr-09	Continuing	TBD	TBD
Subtotal Support			6.292	1.657		0.660		0.652		Continuing	TBD	TBD
Remarks:												
(U) Management												
Air Force Research Lab	Various	Various	1.097	0.386	Sep-07	0.152	Sep-08	0.154	Sep-09	Continuing	TBD	TBD
Subtotal Management			1.097	0.386		0.152		0.154		Continuing	TBD	TBD
Remarks:												
(U) Prototype												
Air Force Research Lab	Various	Various	10.497	2.814	Apr-07	6.300	Apr-08	1.266	Apr-09	Continuing	TBD	TBD
Subtotal Prototype			10.497	2.814		6.300		1.266		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			25.452	6.829		10.968		2.877		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile		DATE February 2008
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603859F Pollution Prevention	PROJECT NUMBER AND TITLE 4852 Pollution Prevention

Pollution Prevention Demonstration Schedules

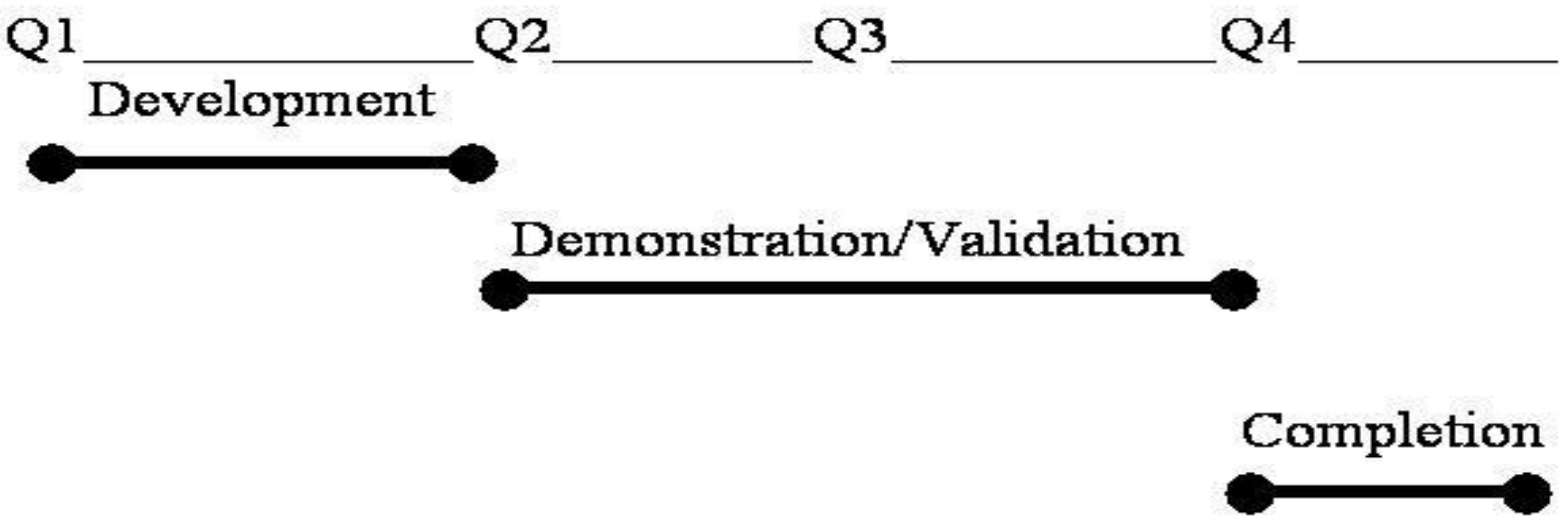

Exhibit R-4a, RDT&E Schedule Detail

DATE
February 2008

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE
04 Advanced Component Development and Prototypes (ACD&P)	**0603859F Pollution Prevention**	**4852 Pollution Prevention**

(U) Schedule Profile	FY 2007	FY 2008	FY 2009
(U) Development	1Q	1Q	1Q
(U) Prototype	2-3Q	2-3Q	2-3Q
(U) Contract Completion	4Q	4Q	4Q