

UNCLASSIFIED

PE NUMBER: 0602805F
 PE TITLE: Dual Use Science & Technology

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 02 Applied Research	PE NUMBER AND TITLE 0602805F Dual Use Science & Technology
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Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	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	0.962	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
4770 Dual Use Science and Technology (S&T)	0.962	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

Note: In FY 2006, this PE was cancelled as a result of higher Air Force priorities.

(U) A. Mission Description and Budget Item Justification

This program seeks to leverage industry investments with interests in advanced technologies of mutual advantage to the Air Force and the commercial sector. A key objective of this program is for the Air Force to stimulate the development of dual use technologies so as to provide greater access to commercially developed technologies and to promote more affordable defense systems that maintain battlespace superiority. A critical component of this program is the cost-sharing requirement from industry and specific Air Force programs. The cooperative funding assures joint commitment to the transition and dual use development efforts of successfully demonstrated technologies. Specific projects are determined through annual competitive solicitations. Technology areas considered may include advanced materials and manufacturing; sensors; advanced propulsion, power, and fuel efficiency; information and communications technologies; and weapon systems sustainment. This program is in Budget Activity 2, Applied Research, since it develops and determines the technical feasibility and military utility of evolutionary and revolutionary technologies.

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

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	0.986	0.000		
(U) Current PBR/President's Budget	0.962	0.000		
(U) Total Adjustments	-0.024			
(U) Congressional Program Reductions				
Congressional Rescissions				
Congressional Increases				
Reprogrammings				
SBIR/STTR Transfer	-0.024			

(U) Significant Program Changes:

In FY 2006, this PE was cancelled as a result of higher Air Force priorities.

C. Performance Metrics

(U) Under Development

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 02 Applied Research				PE NUMBER AND TITLE 0602805F Dual Use Science & Technology			PROJECT NUMBER AND TITLE 4770 Dual Use Science and Technology (S&T)			
Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
4770 Dual Use Science and Technology (S&T)	0.962	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

Note: In FY 2006, this PE was cancelled as a result of higher Air Force priorities.

(U) A. Mission Description and Budget Item Justification

This program seeks to leverage industry investments with interests in advanced technologies of mutual advantage to the Air Force and the commercial sector. A key objective of this program is for the Air Force to stimulate the development of dual use technologies so as to provide greater access to commercially developed technologies and to promote more affordable defense systems that maintain battlespace superiority. A critical component of this program is the cost-sharing requirement from industry and specific Air Force programs. The cooperative funding assures joint commitment to the transition and dual use development efforts of successfully demonstrated technologies. Specific projects are determined through annual competitive solicitations. Technology areas considered may include advanced materials and manufacturing; sensors; advanced propulsion, power, and fuel efficiency; information and communications technologies; and weapon systems sustainment. This program is in Budget Activity 2, Applied Research, since it develops and determines the technical feasibility and military utility of evolutionary and revolutionary technologies.

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

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) CONGRESSIONAL ADD: Project HMA	0.962	0.000	0.000	0.000
(U) In FY 2006: Conducted Congressionally-directed effort for Project HMA.				
(U) In FY 2007: Not Applicable.				
(U) In FY 2008: Not Applicable				
(U) In FY 2009: Not Applicable				
(U) Total Cost	0.962	0.000	0.000	0.000

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

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) Related Activities:										
(U) PE 0601102F, Defense Research Sciences.										
(U) PE 0602102F, Materials.										
(U) PE 0602201F, Aerospace Flight Dynamics.										

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY

02 Applied Research

PE NUMBER AND TITLE

**0602805F Dual Use Science &
Technology**

PROJECT NUMBER AND TITLE

**4770 Dual Use Science and
Technology (S&T)****(U) C. Other Program Funding Summary (\$ in Millions)**

- (U) PE 0602202F, Human Effectiveness.
- (U) PE 0602203F, Aerospace Propulsion.
- (U) PE 0602204F, Aerospace Sensors.
- (U) PE 0602500F, Multi-Disciplinary Space Technology.
- (U) PE 0602601F, Space Technology.
- (U) PE 0602602F, Conventional Munitions.
- (U) PE 0602605F, Directed Energy Technology.
- (U) PE 0602702F, Command Control and Communications.
- (U) PE 0603112F, Advanced Materials for Weapon Systems.
- (U) PE 0603203F, Advanced Aerospace Sensors.
- (U) PE 0603211F, Aerospace Structures.
- (U) PE 0603216F, Aerospace Propulsion and Power Technology.
- (U) PE 0603231F, Crew Systems and Personnel Protection Technology.
- (U) PE 0603270F, Electronic

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Exhibit R-2a (PE 0602805F)

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02 Applied Research

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PROJECT NUMBER AND TITLE

**4770 Dual Use Science and
Technology (S&T)****(U) C. Other Program Funding Summary (\$ in Millions)**

Combat Technology.

(U) PE 0603401F, Advanced

Spacecraft Technology.

(U) PE 0603500F,

Multi-Disciplinary Advanced

Development Space

Technology.

(U) PE 0603601F, Conventional

Weapons Technology.

(U) PE 0603605F, Advanced

Weapons Technology.

(U) PE 0603789F, C3I Advanced

Development.

This program has been coordinated through the Reliance 21 process to harmonize efforts and eliminate duplication.

(U) D. Acquisition Strategy

Not Applicable.