

UNCLASSIFIED

PE NUMBER: 0603311F

PE TITLE: Ballistic Missile Technology

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2006

BUDGET ACTIVITY

03 Advanced Technology Development (ATD)

PE NUMBER AND TITLE

0603311F Ballistic Missile Technology

Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	11.288	11.435	0.000	0.000	0.000	0.000	0.000	0.000	47.294
4091 Missile Electronics	11.288	11.435	0.000	0.000	0.000	0.000	0.000	0.000	47.294

Note: In FY 1997, the Air Force eliminated this program. However, Congress has added funds for Congressionally-directed efforts since FY 1997.

(U) **A. Mission Description and Budget Item Justification**

This program develops, integrates, and demonstrates advanced guidance, navigation, and control technologies for ballistic missiles, including upgrades for range safety instrumentation. In FY 2006, Congress added \$8.3 million for Ballistic Missile Technology, \$1.3 million for Pacific Ballistic Missile Technology Program, and \$2.0 million for P-Net. This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for existing system upgrades and/or new system developments that have military utility and address warfighter needs.

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

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	11.597	0.000	0.000
(U) Current PBR/President's Budget	11.288	11.435	0.000
(U) Total Adjustments	-0.309	11.435	
(U) Congressional Program Reductions			
Congressional Rescissions	-0.009	-0.165	
Congressional Increases	0.000	11.600	
Reprogrammings			
SBIR/STTR Transfer	-0.300		

(U) **Significant Program Changes:**

In FY 1997, the Air Force eliminated this program. However, Congress has added funds for Congressional-directed efforts since FY 1997.

C. Performance Metrics

(U) Under Development.

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PROJECT NUMBER AND TITLE

4091 Missile Electronics

Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4091 Missile Electronics	11.288	11.435	0.000	0.000	0.000	0.000	0.000	0.000	47.294
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

This program develops, integrates, and demonstrates advanced guidance, navigation, and control technologies for ballistic missiles, including upgrades for range safety instrumentation. In FY 2006, Congress added \$8.3 million for Ballistic Missile Technology, \$1.3 million for Pacific Ballistic Missile Technology Program, and \$2.0 million for P-Net. This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for existing system upgrades and/or new system developments that have military utility and address warfighter needs.

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

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) CONGRESSIONAL ADD: Ballistic Missile Technology Common Advanced Guidance Technology/Ballistic Missile Technology.	9.648	8.183	0.000
(U) In FY 2005: Developed, integrated, and demonstrated ballistic missile technologies related to advanced guidance, range safety instrumentation, and guidance sensors. Conducted development testing and evaluate the capability of innovative accelerometer, gyroscope, and flight computer instrumentation to meet performance goals at strategic radiation levels. Evaluated the performance of instruments integrated with guidance architectures that provide a robust system applicable in the most demanding missile applications. Conducted acceptance testing of existing and future integrated sensors in highly flexible and mobile range safety instrumentation.			
(U) In FY 2006: Conduct Congressionally-directed effort for Ballistic Missile Technology.			
(U) In FY 2007: Not Applicable.			
(U) CONGRESSIONAL ADD: Pacific Ballistic Missile Technology Program.	1.640	1.281	0.000
(U) In FY 2005: Conducted initial development, demonstration, acceptance testing, and environmental assessment of ballistic missile range safety technologies at the Pacific Missile Range Facility in support of Air Force Space Command requirements.			
(U) In FY 2006: Conduct Congressionally-directed effort for Pacific Ballistic Missile Technology Program.			
(U) In FY 2007: Not Applicable.			
(U) CONGRESSIONAL ADD: P-Net.	0.000	1.971	0.000
(U) In FY 2005: Not Applicable.			
(U) In FY 2006: Conduct Congressionally-directed effort for P-Net.			
(U) In FY 2007: Not Applicable.			
(U) Total Cost	11.288	11.435	0.000

Project 4091

R-1 Shopping List - Item No. 24-3 of 24-4

Exhibit R-2a (PE 0603311F)

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Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY

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PE NUMBER AND TITLE

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4091 Missile Electronics

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

<u>FY 2005</u>	<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>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>Complete</u>	

(U) Related Activities:

(U) PE 0602204F, Aerospace
Sensors.(U) This project has been
coordinated through the Reliance
process to harmonize efforts and
eliminate duplication.(U) **D. Acquisition Strategy**

Not Applicable.