PE NUMBER: 0603311F

PE TITLE: Ballistic Missile Technology

Exhibit R-2, RDT&E Budget Item Justification									DATE	February 2005		
BUDGET ACTIVITY 03 Advanced Technology Development (ATD)				PE NUMBER AND TITLE 0603311F Ballistic Missile Technology								
	Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	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	11.104	11.597	0.000	0.000	0.000	0.000	0.000	0.000	0.000	47.294	
4091	Missile Electronics	11.104	11.597	0.000	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 special interest projects 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 2005, Congress added \$10.0 million for Ballistic Missiles Technology Common Advanced Guidance Technology and \$1.7 million for Pacific Ballistic Missile Technology Program. 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 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	11.402	0.000	0.000	0.000
(U) Current PBR/President's Budget	11.104	11.597	0.000	0.000
(U) Total Adjustments	-0.298	11.597		
(U) Congressional Program Reductions				
Congressional Rescissions		-0.103		
Congressional Increases		11.700		
Reprogrammings				
SBIR/STTR Transfer	-0.298			

(U) Significant Program Changes:

In FY 1997, the Air Force eliminated this program. However, Congress has added funds for special interest projects since FY 1997.

C. Performance Metrics

(U) Under Development.

R-1 Shopping List - Item No. 23-1 of 23-3

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				UNC	LASSIFIEL	,					
		Exhibit R-2	?a, RDT&E	Project J	ustificatio	n			DATE	February :	2005
BUDGET ACTIVITY 03 Advanced Technology Development (ATD)									PROJECT NUMBER AND TITLE 4091 Missile Electronics		
	Cont (this MCIII and)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to	Total
	Cost (\$ in Millions)	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
409	1 Missile Electronics	11.104	11.597	0.000	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	0		
(U)	This program develops, integrates, and instrumentation. In FY 2005, Congres Ballistic Missile Technology Program. existing system upgrades and/or new s B. Accomplishments/Planned Progr	s added \$10.0 This programystem develop	million for Ba is in Budget a ments that hav	llistic Missile: Activity 3, Ad	s Technology vanced Techr	Common Adviology Develo	vanced Guidar opment, since i	nce Technolog it develops and	gy and \$1.7 m	illion for Paci	fic
(U) (U)	CONGRESSIONAL ADD: Ballistic In FY 2004: Developed, integrated, a advanced guidance, range safety instru accelerometer, gyroscope, and flight c the instruments with guidance architec demanding missile applications. Dem safety instrumentation. In FY 2005: Continue development, i related to advanced guidance, range sa	nd demonstrate umentation, and omputer instru- ctures that prov- ionstrated integal	d critical ballid guidance ser mentation to side a robust syrated sensors demonstration	stic missile te ssors. Extende trategic radiat ystem applicab in highly flexi n of ballistic r	chnologies re- ed testing of in- tion levels. In- ble in the mos- ble and mobil missile techno	lated to nnovative ntegrated t e range	8.20	08	9.912	0.000	0.000
(U) (U)	testing and evaluate the capability of i instrumentation to meet performance ginstruments integrated with guidance a demanding missile applications. Conchighly flexible and mobile range safet In FY 2006: Not Applicable. In FY 2007: Not Applicable.	nnovative acce goals at strategi architectures th duct acceptance	lerometer, gyr ic radiation levat provide a ro e testing of exi	oscope, and fl vels. Evaluate obust system a	light compute the performa applicable in the	r nce of he most					
(U) (U) (U)	CONGRESSIONAL ADD: Common Minuteman III (MMIII) Critical Techn In FY 2004: Initiated ground testing of structures required for CAV control. I designed for future small launch vehic critical elements and components are of	nology Develop of critical advan Initiated ground tles and MMIII	oment. need vehicle p I testing of accertical technology	reliminary har curate and rob ology develop	rdware design oust guidance l oment. Verifie	s and hardware ed that	2.89	96	0.000	0.000	0.000

Project 4091

Exhibit R-2a (PE 0603311F)

UNCLASSIFIED

				Ir	DATE		
Exhibit R-2a,	DATE February 2005						
BUDGET ACTIVITY 03 Advanced Technology Development (ATD)		PE NUMBER AND TIT 0603311F Ballist Technology			JECT NUMBER AND TITLE 1 Missile Electronics		
while reducing maintenance costs and increasing mean t (U) In FY 2005: Not Applicable. (U) In FY 2006: Not Applicable. (U) In FY 2007: Not Applicable. (U) (U) CONGRESSIONAL ADD: Pacific Ballistic Missile Tea (U) In FY 2004: Not Applicable. (U) In FY 2005: Initiate development, demonstration, accept ballistic missile range safety technologies at the Pacific Space Command requirements. (U) In FY 2006: Not Applicable. (U) In FY 2007: Not Applicable.	chnology Program. otance testing, and environmen		0.000	1.685		0.000	
(U) Total Cost			11.104	11.597	0.000	0.000	
(U) C. Other Program Funding Summary (\$ in Millions) FY 2004 Actual Estim (U) Related Activities: PE 0602204F, Aerospace Sensors. This project has been coordinated through the (U) Reliance process to harmonize efforts and eliminate duplication. (U) D. Acquisition Strategy Not Applicable.			FY 2009 FY 2010 Estimate Estimate		2011 Cost to imate Complete Tota	1 Cost	
Project 4091	R-1 Shopping List - It	tem No. 23-3 of 23-3			Exhibit R-2a (PE 060	03311F)	