

UNCLASSIFIED

PE NUMBER: 0305116F
 PE TITLE: AERIAL TARGETS

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2004
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BUDGET ACTIVITY 06 RDT&E Management Support	PE NUMBER AND TITLE 0305116F AERIAL TARGETS
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Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	5.178	5.106	5.143	5.202	5.237	Continuing	TBD
5136 Target Systems Development	0.000	0.000	5.178	5.106	5.143	5.202	5.237	Continuing	TBD

Prior year (FY03 & FY04) RDT&E funding for Aerial Targets was in PE 64735F/BPAC 652286.

Note: R1 Report incorrectly shows this program as BA 7; the correct BA is 6.

(U) A. Mission Description and Budget Item Justification

Full-scale and subscale targets assure warfighters that weapon systems will perform adequately against real-world enemy fighters and cruise missiles. Aerial targets help satisfy public law Title 10, Section 2366 that requires major systems and munitions programs to conduct survivability testing and lethality testing before full-scale production. The Aerial Targets program provides drones to satisfy "Live Fire/Lethality" developmental/operational test requirements. Target drones are used to validate operational missile/weapon system effectiveness and fighter operational flight program (OFP) updates. Target drones are also essential for development testing/operational testing for all air-to-air and ground-to-air missiles, and for the F/A-22, F-16, F-15, etc., aircraft. The objective is to provide realistic targets for missile testing to enable the development of air defense systems capable of defeating changing airborne threats. This funding improves/updates aerial target systems to ensure aerial targets represent enemy threat airborne systems. This program element also funds development of full-scale/subscale aerial targets and target control systems. Specialized target payload subsystems are developed for requirements such as: missile scoring, electronic attack and infrared (IR) countermeasures, radar and IR signature augmentation, and chaff and flare dispensing systems. In FY05, the Air Force Subscale Aerial Target (AFSAT) program will evaluate product improvement opportunities that will identify areas of needed enhancements to the performance, payload capability, and payload capacity to support growth initiatives which will continue throughout the Future Years Defense Program (FYDP). FY05 will also fund system acquisition and engineering support for the QF-4 including studies and analysis for the QF-4 replacement.

This program is in budget activity 6 - RDT&E Management Support because it provides aerial targets, target payloads and target control systems in support of RDT&E testing.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	0.000	0.000	5.178
(U) Current PBR/President's Budget	0.000	0.000	5.178
(U) Total Adjustments	0.000	0.000	
(U) Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
(U) <u>Significant Program Changes:</u>			
Prior year (FY03 & FY04) funding for Aerial Targets was in PE 64735F/BPAC 652286.			

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 06 RDT&E Management Support				PE NUMBER AND TITLE 0305116F AERIAL TARGETS			PROJECT NUMBER AND TITLE 5136 Target Systems Development		
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
5136 Target Systems Development	0.000	0.000	5.178	5.106	5.143	5.202	5.237	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

Full-scale and subscale targets assure warfighters that weapon systems will perform adequately against real-world enemy fighters and cruise missiles. Aerial targets help satisfy public law Title 10, Section 2366 that requires major systems and munitions programs to conduct survivability testing and lethality testing before full-scale production. The Aerial Targets program provides drones to satisfy "Live Fire/Lethality" developmental/operational test requirements. Target drones are used to validate operational missile/weapon system effectiveness and fighter operational flight program (OFP) updates. Target drones are also essential for development testing/operational testing for all air-to-air and ground-to-air missiles, and for the F/A-22, F-16, F-15, etc., aircraft. The objective is to provide realistic targets for missile testing to enable the development of air defense systems capable of defeating changing airborne threats. This funding improves/updates aerial target systems to ensure aerial targets represent enemy threat airborne systems. This program element also funds development of full-scale/subscale aerial targets and target control systems. Specialized target payload subsystems are developed for requirements such as: missile scoring, electronic attack and infrared (IR) countermeasures, radar and IR signature augmentation, and chaff and flare dispensing systems. In FY05, the Air Force Subscale Aerial Target (AFSAT) program will evaluate product improvement opportunities that will identify areas of needed enhancements to the performance, payload capability, and payload capacity to support growth initiatives which will continue throughout the Future Years Defense Program (FYDP). FY05 will also fund system acquisition and engineering support for the QF-4 including studies and analysis for the QF-4 replacement.

This program is in budget activity 6 - RDT&E Management Support because it provides aerial targets, target payloads and target control systems in support of RDT&E testing.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Prior year (FY03 & FY04) RDT&E funding for Aerial Targets was in PE 64735F/BPAC 652286.			
(U) Continue Aerial Targets basic operating support.			0.200
(U) Continue system acquisition and engineering support to include studies and analysis involving QF-4 replacement, upgrades for the target control system, the weapon scoring system, payload systems and other aerial targets support systems			1.578
(U) Continue product improvement program for the Air Force Subscale Aerial Target (AFSAT) program to include payload/propulsion improvements, provide air-launch capability, and other objective requirements/enhancements.			3.400
(U) Total Cost	0.000	0.000	5.178

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</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>	
PE35116F: Appn: Aircraft									
(U) Procurement, AF(APAF), Program Title: Aerial Targets	29.640	55.169	74.143	78.878	79.968	82.240	86.282	Continuing	TBD
(U) Initial Spares	0.820	0.758	0.403	0.469	0.471	0.484	0.494	Continuing	TBD
(U) Munitions	0.197	0.000	3.374	3.550	3.696	3.802	3.910	Continuing	TBD

(U) **D. Acquisition Strategy**

The acquisition strategy is competitive, with cost plus and fixed price contracts.