

UNCLASSIFIED

PE NUMBER: 0408011F
 PE TITLE: SPECIAL TACTICS/COMBAT CONTROL

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2006
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0408011F SPECIAL TACTICS/COMBAT CONTROL
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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	1.027	2.124	1.024	5.174	5.705	8.322	7.521	Continuing	TBD
5138 ST System Development	1.027	2.124	1.024	5.174	5.705	8.322	7.521	Continuing	TBD

The first year this program was funded was FY05.

(U) A. Mission Description and Budget Item Justification

This program will develop specified technologies to provide Combat Control operators with the capability to see, range, and designate a target at distances from 20 meters out to 10,000 meters, day or night and to reduce the load they carry into battle. Combat Control operators calculate coordinates primarily with pencil and paper and then transmit data to the aircraft via voice over the radio. Current targeting equipment is limited in range, to line of sight, and information management. This program will develop systems that provide highly accurate target grid coordinates in three dimensions and then image a target, both pre and post-strike, and transmit the picture to Command and Control centers.

Combat Control operators are usually dismounted often carrying packs weighing 150 pounds or more. They operate in very difficult terrain, sometimes in the mountains at altitudes of up to 10,000 feet. The equipment used today is too unwieldy, heavy, and has an element for increased human error. Functionality is required for the current and future War on Terrorism operations by supporting airdropped precision attack weapons, the capture of target data from stand-off distances of up to 10 kilometers, and provides aircrew digital information that is needed to quickly, effectively and accurately deliver weapons on time, on target.

These technologies will decrease opportunities for human error and fratricide, significantly reduces the time required to find, fix, track, target and engage the enemy, and substantially decreases the weight a combat control operator carries to execute his mission.

This program is in Budget Activity 4, Advanced Component Development & Prototypes (ACD&P) because the efforts demonstrates technology, component and subsystem maturity, and provides risk reduction.

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

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	1.058	2.124	1.024
(U) Current PBR/President's Budget	1.027	2.124	1.024
(U) Total Adjustments	-0.031	0.000	
(U) Congressional Program Reductions			
Congressional Rescissions	-0.001		
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer	-0.030		

(U) Significant Program Changes:

Exhibit R-2a, RDT&E Project Justification

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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
5138 ST System Development	1.027	2.124	1.024	5.174	5.705	8.322	7.521	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

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

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) System and equipment development.	0.827	1.580	0.850
(U) System test and evaluation.	0.200	0.544	0.174
(U) Total Cost	1.027	2.124	1.024

(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) Not Applicable									

(U) D. Acquisition Strategy

The spiral development acquisition strategy will focus on meeting immediate requirements with current technology while pursuing future spirals for improved accuracy, increased vertical and horizontal integration, and reduced weight.

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Exhibit R-3, RDT&E Project Cost Analysis

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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &</u> <u>Type</u>	<u>Performing</u> <u>Activity &</u> <u>Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2005</u> <u>Cost</u>	<u>FY 2005</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2007</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target Value</u> <u>of Contract</u>
				<u>Cost</u>	<u>Award</u> <u>Date</u>	<u>Cost</u>	<u>Award</u> <u>Date</u>	<u>Cost</u>	<u>Award</u> <u>Date</u>			
(U) <u>Product Development</u>												
Various	TBD	TBD		0.827	Aug-05	1.580	Aug-06	0.850	Aug-07	Continuing	TBD	TBD
Subtotal Product Development			0.000	0.827		1.580		0.850		Continuing	TBD	TBD
Remarks:												
(U) <u>Support</u>											0.000	0.000
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test & Evaluation</u>												
Various	TBD	TBD		0.200	Aug-05	0.544	Aug-06	0.174	Aug-07	Continuing	TBD	TBD
Subtotal Test & Evaluation			0.000	0.200		0.544		0.174		Continuing	TBD	TBD
Remarks:												
(U) <u>Management</u>											0.000	0.000
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	1.027		2.124		1.024		Continuing	TBD	TBD
In FY04 the first Spiral for BRITES was previously funded and listed under BPAC 6622, which no longer exists. Funding moved into BPAC 5138.												

Exhibit R-4, RDT&E Schedule Profile

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07 Operational System Development

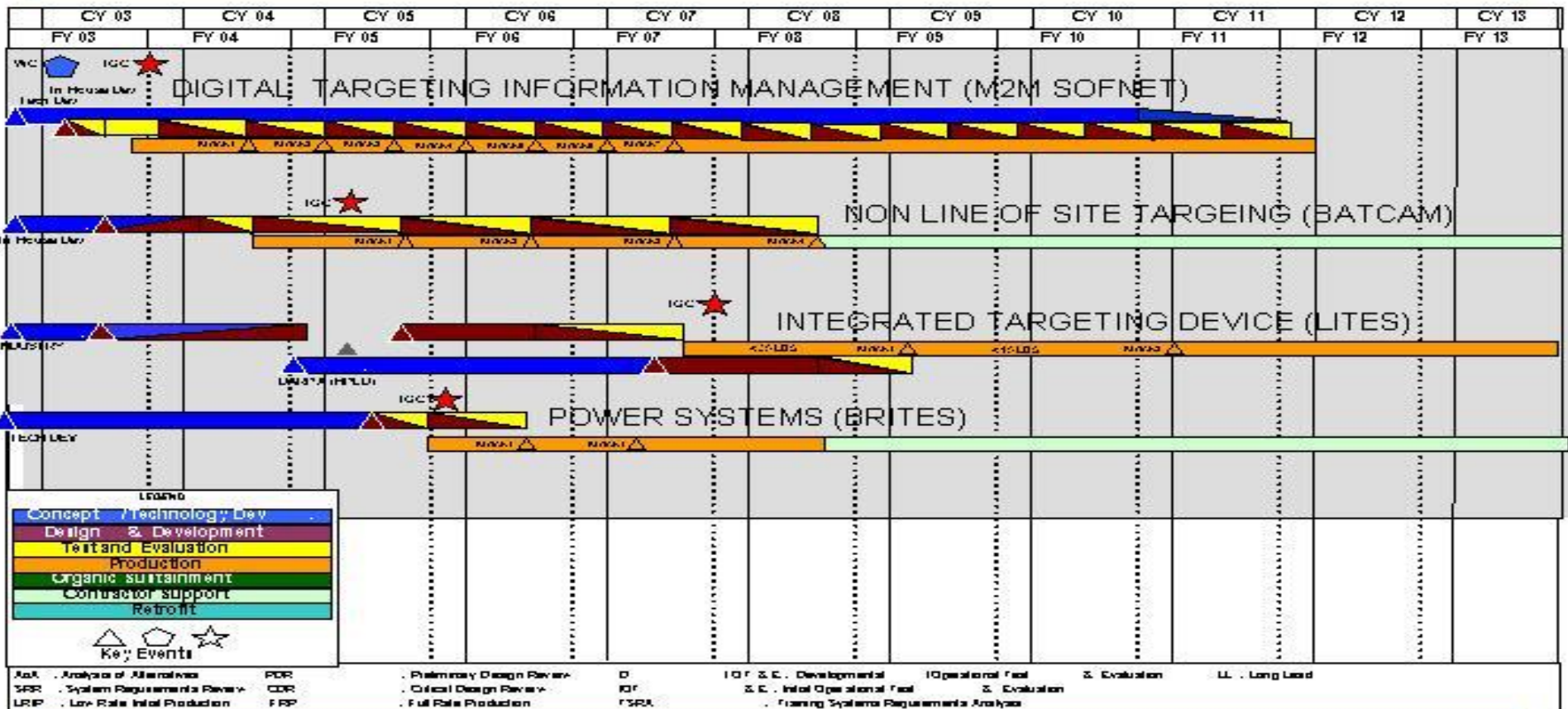
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TACTICS/COMBAT CONTROL

PROJECT NUMBER AND TITLE
5138 ST System Development



U.S. AIR FORCE

BAO Kit Program Schedule



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Exhibit R-4a, RDT&E Schedule Detail

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07 Operational System Development

PE NUMBER AND TITLE

**0408011F SPECIAL
TACTICS/COMBAT CONTROL**

PROJECT NUMBER AND TITLE

5138 ST System Development

(U) <u>Schedule Profile</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) BRITES power systems delivery	3Q	2-4Q	3Q
(U) Non-Line of Sight Targeting (BATCAM) Increment 1 Delivery	4Q	4Q	1Q
(U) Digital Targeting Net	4Q	3Q	2Q
(U) Integrated Laser Targeting	3Q	2Q	3Q