

UNCLASSIFIED

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

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2004
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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 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	1.067	0.748	0.000	0.485	0.000	0.000	0.000
5138 ST System Development	0.000	0.000	1.067	0.748	0.000	0.485	0.000	0.000	0.000

In FY05, this is a new PE.

(U) A. Mission Description and Budget Item Justification

This program will develop the Laser Integrated Target Engagement System (LITES). LITES is a suite of equipment for Combat Controllers to perform Terminal Attack Control for air-dropped precision weapons. The current set of equipment is too unwieldy, heavy and includes a human error factor. Combat Controllers operate dismounted at altitudes of up to 10,000 feet with approximately 150 pounds of equipment. They calculate coordinates with pencil and paper and then transmit data to aircraft via voice over radio. Current targeting equipment is limited in range, to line-of-sight, and information management. LITES is an integrated system combining the capabilities of multiple systems into a small, lightweight, waterproof, interoperable and upgradeable system. Functionality is required for current and future War on Terrorism operations by supporting air-dropped 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.

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 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget			0.000
(U) Current PBR/President's Budget	0.000	0.000	1.067
(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>			

Exhibit R-2a, RDT&E Project Justification

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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
5138 ST System Development	0.000	0.000	1.067	0.748	0.000	0.485	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

This program will develop the Laser Integrated Target Engagement System (LITES). LITES is a suite of equipment for Combat Controllers to perform Terminal Attack Control for air-dropped precision weapons. The current set of equipment is too unwieldy, heavy and includes a human error factor. Combat Controllers operate dismounted at altitudes of up to 10,000 feet with approximately 150 pounds of equipment. They calculate coordinates with pencil and paper and then transmit data to aircraft via voice over radio. Current targeting equipment is limited in range, to line-of-sight, and information management. LITES is an integrated system combining the capabilities of multiple systems into a small, lightweight, waterproof, interoperable and upgradeable system. Functionality is required for current and future War on Terrorism operations by supporting air-dropped 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.

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. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) System and equipment development.			0.867
(U) System test and evaluation.			0.200
(U) Total Cost	0.000	0.000	1.067

(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>	
(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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BUDGET ACTIVITY			PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE				
07 Operational System Development			0408011F SPECIAL TACTICS/COMBAT CONTROL					5138 ST System Development				
<u>(U) Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Award</u> <u>Date</u>	<u>FY</u> <u>2004</u> <u>Cost</u>	<u>FY</u> <u>2004</u> <u>Award</u> <u>Date</u>	<u>FY</u> <u>2005</u> <u>Cost</u>	<u>FY</u> <u>2005</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total</u> <u>Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
<u>(U) Product Development</u>												
Various	TBD	TBD	0.000	0.000		0.000		0.867	Jan-05	0.560	1.427	TBD
Subtotal Product Development			0.000	0.000		0.000		0.867		0.560	1.427	TBD
Remarks:												
<u>(U) Support</u>											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	0.000			0.000		0.200	Apr-05	0.188	0.388	TBD
Subtotal Test & Evaluation			0.000	0.000		0.000		0.200		0.188	0.388	TBD
Remarks:												
<u>(U) Management</u>											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
<u>(U) Total Cost</u>			0.000	0.000		0.000		1.067		0.748	1.815	TBD

Exhibit R-4, RDT&E Schedule Profile

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PROJECT NUMBER AND TITLE
5138 ST System Development

BAO Kit Development

BAO KIT Milestone FY06-FY11																																
	FY04				FY05				FY06				FY07				FY08				FY09				FY10				FY11			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
LITES			▲																													
BRITES											▲																					
SOFNET											▲																					
BATMAN																																
TAC Ear Plug												▲																				
M 2 MT											▲																					
UAVs (BAT CAM)												▲																				
First Production Delivery				▲																												

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Exhibit R-4a, RDT&E Schedule Detail

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PROJECT NUMBER AND TITLE

5138 ST System Development

(U) Schedule Profile

FY 2003

FY 2004

FY 2005

(U) LITES IOC

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