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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 2000		
BUDGET ACTIVITY 07 - Operational System Development				PE NUMBER AND TITLE 0207320F Sensor Fuzed Weapon (SFW)				PROJECT 671016	
COST (\$ in Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
671016 Sensor Fuzed Weapon	7,782	11,645	0	0	0	0	0	0	64,739
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	8
<p>(U) <u>A. Mission Description</u> This project continues development of the Sensor Fuzed Weapon (SFW) Pre-Planned Product Improvement (P3I). The P3I improvements to the baseline SFW will enhance weapon performance against primary targets (land combat vehicles), targets with countermeasures, and potentially allow for use against alternative targets. All P3I improvements are at the BLU-108 submunition level. The P3I BLU-108 submunition will also be used in the anti-armor version of the Joint Standoff Weapon (JSOW). SFW is an ACAT 2 program.</p> <p>(U) <u>FY 1999 (\$ in Thousands)</u> (U) \$7,521 Continued the P3I development program with contractor test and evaluation (U) \$261 Continued program management support, includes travel, program office supplies and equipment, training and technical engineering support (U) \$7,782 Total</p> <p>(U) <u>FY 2000 (\$ in Thousands)</u> (U) \$9,014 Complete the P3I development program; correct technical problems; complete contractor development testing; and support govt. qualification testing (U) \$1,107 Continue program management support, includes travel, program office supplies and equipment, training and technical engineering support (U) \$1,524 Conduct and complete subsystem level testing and Cluster Bomb Unit (CBU) flight testing (U) \$11,645 Total</p> <p>(U) <u>FY 2001 (\$ in Thousands)</u> (U) \$0 No Activity (U) \$0 Total</p> <p>(U) <u>B. Budget Activity Justification</u> This program is in budget activity 7 - Operational System Development, because this activity funds improvements to the SFW, which is currently in production. The SFW P3I is scheduled to cut-in the production program in FY01.</p>									
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BUDGET ACTIVITY			PE NUMBER AND TITLE				PROJECT		
07 - Operational System Development			0207320F Sensor Fuzed Weapon (SFW)				671016		
(U) C. Program Change Summary (\$ in Thousands)									
			<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>			
(U)	Previous President's Budget (FY 2000 PBR)		7,504	11,785	0	64,601			
(U)	Appropriated Value		7,551	11,785					
(U)	Adjustments to Appropriated Value								
	a. Congressional/General Reductions		-26	-2					
	b. Small Business Innovative Research		-127						
	c. Omnibus or Other Above Threshold Reprogram			-64					
	d. Below Threshold Reprogram		449						
	e. Rescissions		-65	-74					
	f. Other								
(U)	Adjustments to Budget Years Since FY 2000 PBR								
(U)	Current Budget Submit/FY 2001 PBR		7,782	11,645	0	64,739			
(U)	<u>Significant Program Changes:</u>								
	None								
(U) D. Other Program Funding Summary (\$ in Thousands)									
		<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</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)	AF RDT&E								
(U)	Other APPN								
(U)	Procurement of Ammunition, AF P-1 Line Item 21	117,955	85,385	107,201	103,874	98,965	97,402	98,189	1,757,534
(U)	<u>E. Acquisition Strategy</u>								
	The SFW Pre-Planned Product Improvements (P3I) program is a 58 month R&D effort to enhance the BLU-108 submunition and projectile. This is a sole source Cost-Plus Award Fee (CPAF) contract for P3I to the current SFW submunition design. The SFW P3I submunition (improved BLU-108) will also be used in the JSOW weapon system.								
(U)	<u>F. Schedule Profile</u>								
			<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>				
	Project 671016								

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(U) **F. Schedule Profile Continued**

	<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4
(U) Design and Development of P3I						X						
(U) Preliminary Design Review (PDR)				*								
(U) Detailed Design/Development Tests	*	*										
(U) Development Test Meeting		*										
(U) Critical Design Review (CDR)		*				X						
(U) Hardware Build/Qualification Tests		*	*	*	*	X	X					
(U) Subsystem Level Testing					*	X	X	X				
(U) System Level Testing						X	X	X	X			

* = Completed Events
X = Planned Events

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 2000			
BUDGET ACTIVITY 07 - Operational System Development					PE NUMBER AND TITLE 0207320F Sensor Fuzed Weapon (SFW)				PROJECT 671016		
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>											
						<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>			
(U)	Major Contracts					7,521	9,014	0			
(U)	Support Contracts					147	286				
(U)	Program Office Support					114	821				
(U)	Test and Evaluation					0	1,524				
(U)	Total					7,782	11,645	0			
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
(U) <u>Performing Organizations:</u>											
	<u>Contractor or Government</u>	<u>Contract Method/Type</u>	<u>Award or Obligation</u>	<u>Performing Activity</u>	<u>Project Office</u>	<u>Total Prior to FY 1999</u>	<u>Budget FY 1999</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Performing Activity</u>	<u>or Funding Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>						
<u>Product Development Organizations</u>											
	Textron System Defense	SS/CPAF	Oct 99	51,891	51,891	35,356	7,521	9,014	0	0	51,891
<u>Support and Management Organizations</u>											
	ASC/YH	N/A	various	N/A	N/A	1,903	48	46	0	0	1,997
	Miscellaneous	various	various	N/A	N/A	1,161	213	1,061	0	0	2,435
<u>Test and Evaluation Organizations</u>											
	46 OG/OGML	REO	Mar 00	N/A	N/A	6,703	0	1,524	0	0	8,227
(U) <u>Government Furnished Property:</u>											
	<u>Item</u>	<u>Contract Method/Type</u>	<u>Award or Obligation</u>	<u>Delivery</u>		<u>Total Prior to FY 1999</u>	<u>Budget FY 1999</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Description</u>	<u>or Funding Vehicle</u>	<u>Date</u>	<u>Date</u>							

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BUDGET ACTIVITY 07 - Operational System Development				PE NUMBER AND TITLE 0207320F Sensor Fuzed Weapon (SFW)			PROJECT 671016		
(U) Government Furnished Property Continued:									
	<u>Contract</u>	<u>Award or</u>							
<u>Item</u>	<u>Method/Type</u>	<u>Obligation</u>	<u>Delivery</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Description</u>	<u>or Funding</u>	<u>Date</u>	<u>Date</u>	<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
	<u>Vehicle</u>								
<u>Product Development Property</u>									
GFE (explosive)	MIPR	May 97	Oct 97	72	0	0	0	0	72
Army, Aberdeen									
GFE (RHA Plates) Army,	MIPR	Jun 96	Jul 96	117	0	0	0	0	117
Aberdeen									
<u>Support and Management Property</u>									
Not Applicable	N/A	N/A	N/A	0	0	0	0	0	0
<u>Test and Evaluation Property</u>									
Not Applicable	N/A	N/A	N/A	0	0	0	0	0	0
				<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Subtotals</u>				<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development				35,545	7,521	9,014	0	0	52,080
Subtotal Support and Management				3,064	261	1,107	0	0	4,432
Subtotal Test and Evaluation				6,703	0	1,524	0	0	8,227
Total Project				45,312	7,782	11,645	0	0	64,739