

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)							February 2006			
BUDGET ACTIVITY			PE NUMBER AND TITLE							
4 - Advanced Component Development and Prototypes			0603627A - Smoke, Obscurant and Target Defeating Sys-Adv Dev							
COST (In Thousands)		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 Cost
Total Program Element (PE) Cost		6943	5651	10714	6100	3872	5676	6503	0	49614
E79	SMOKE/OBSCURANT SYSTEM	6943	5651	10714	6100	3872	5676	6503	0	49614
<p><u>A. Mission Description and Budget Item Justification:</u> Project supports the Component Advanced Development and System Integration developmental phases of high performance obscuration materials and systems to increase the survivability of the combined armed forces and to complement weapon systems. U.S. Forces must be able to defeat target acquisition, weapon guidance systems, and surveillance sensors across the electro-optical spectrum. These programs develop systems to provide large area and projected obscuration across the spectrum from visual through infrared and millimeter wavelength radar. The technologies supported by this program enhance obscuration systems as combat multipliers.</p>										

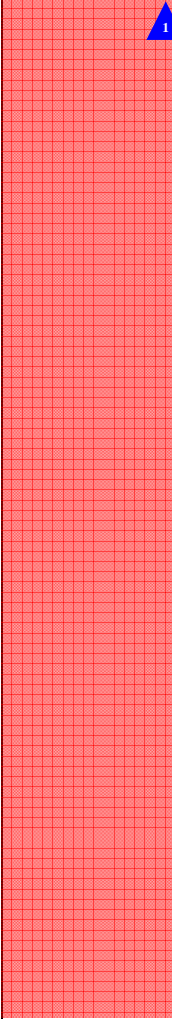

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	FY 2005	FY 2006	FY 2007	
<u>B. Program Change Summary</u>				
Previous President's Budget (FY 2006)	9342	5733	2847	
Current BES/President's Budget (FY 2007)	6943	5651	10714	
Total Adjustments	-2399	-82	7867	
Congressional Program Reductions		-25		
Congressional Rescissions		-57		
Congressional Increases				
Reprogrammings	-2399			
SBIR/STTR Transfer				
Adjustments to Budget Years			7721	
Change Summary Explanation: Funding - FY05: Funds reprogrammed in support of higher priority Army programs. FY07: Additional funds provided by the Army to support the program.				

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COST (In Thousands)	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 Cost
E79 SMOKE/OBSCURANT SYSTEM	6943	5651	10714	6100	3872	5676	6503	0	49614
<p><u>A. Mission Description and Budget Item Justification:</u> Project supports the Component Advanced Development and System Integration developmental phases of high performance obscuration materials and systems to increase the survivability of the combined armed forces and to complement weapons systems. This program develops systems to provide small area, medium area and large area obscuration across the spectrum from visual through infrared and millimeter wavelength radar. The technologies supported by this program enhance obscuration systems as combat multipliers.</p> <p>U.S. Forces must be able to defeat target acquisition, weapon guidance systems, and surveillance sensors across the electro-optical spectrum.</p>									
<u>Accomplishments/Planned Program</u>						<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	
Qualified and quantified test requirements for candidate grenades and smoke pots.						600	0	0	
Conducted environmental impact studies on candidate grenades and smoke pots.						196	0	0	
Initiate Milestone B for the Family of Tactical Obscurant Devices.						0	94	0	
Conduct Test and Evaluation						0	1000	2000	
Funding erroneously issued to this PE and project.						1101	0	0	
Continues development and building of candidate smoke grenades and smoke pots with multi-spectral capability. (quantity or cost of each unknown at this time)						5046	4557	8714	
Total						6943	5651	10714	
<u>B. Other Program Funding Summary</u>									
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
RDTE, A, Budget Activity 2, PE 0602622A, Project 552	3175	2483	2212	2252	2305	2328	2365	0	17120
Other Procurement Army, OPA3, MX1000, Family of Tactical Obscuration Devices	0	0	0	24232	38449	25620	12337	CONT	CONT
<p>Comment: Milestone B upon approval of Capabilities Development Document.</p>									
<p><u>C. Acquisition Strategy</u> The Advanced Component Development effort acquisition strategy uses full and open competition and cost plus fixed fee (CPFF) contracting to test and build multispectral grenades and pots.</p>									

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ARMY RDT&E COST ANALYSIS (R3)										February 2006		
BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
4 - Advanced Component Development and Prototypes			0603627A - Smoke, Obscurant and Target Defeating Sys-Adv Dev							E79		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Initial Program Planning and System Design	OGA	JPMNBCCA, APG, MD	3567	0		0		0		0	3567	0
Developmental Contract	C/CPFF	GENERAL DYNAMICS OTS	0	3568	3Q	3590	1Q	7574	2Q	0	0	0
Subtotal:			3567	3568		3590		7574		0	3567	0
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Environmental Studies	OGA	RDECOM, ECBC, APG-EA, MD	0	196	2Q	0		0		0	196	0
Qualify and Quantify Test Requirements	OGA	RDECOM, ECBC, APG-EA, MD	0	600	2Q	0		0		0	600	0
Subtotal:			0	796		0		0		0	796	0
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Test & Evaluation	OGA	RDECOM, ECBC, APG-EA, MD	0	0	2Q	1000	2Q	2000	3Q	0	0	0
Subtotal:			0	0		1000		2000		0	0	0
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract

ARMY RDT&E COST ANALYSIS (R3)									February 2006			
BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes			PE NUMBER AND TITLE 0603627A - Smoke, Obscurant and Target Defeating Sys-Adv Dev								PROJECT E79	
Conduct initial Milestone B	Inhouse	JPMNBCCA, APG, MD	0	0		94	2Q	0		0	0	0
Contract development, engineering design and evaluation.	Inhouse	JPMNBCCA, APG, MD	809	1478	1Q	967	1Q	1140	1Q	0	0	0
Funding erroneously issued on Smoke line.			0	1101		0		0		0	0	0
Subtotal:			809	2579		1061		1140		0	0	0
Project Total Cost:			4376	6943		5651		10714		0	4363	0

Schedule Profile (R4 Exhibit)																		February 2006																		
BUDGET ACTIVITY					PE NUMBER AND TITLE																		PROJECT													
4 - Advanced Component Development and Prototypes					0603627A - Smoke, Obscurant and Target Defeating Sys-Adv Dev																		E79													
Event Name					FY 05				FY 06				FY 07				FY 08				FY 09				FY 10				FY 11							
					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) Milestone A																																				

Schedule Detail (R4a Exhibit)						February 2006	
BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes			PE NUMBER AND TITLE 0603627A - Smoke, Obscurant and Target Defeating Sys-Adv Dev			PROJECT E79	
<u>Schedule Detail</u>	<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>
Milestone A		1-2Q					
Milestone B (Small Obscuration Devices (SOD))			1Q				
Contract Award (SOD-Visual)		3Q					
Contract Award (SOD-Bi-spectral)		3Q					
Contract Award (SOD-MMW)		3Q					
Milestone B (Small Obscuration Modules (SOM))			1Q				
Contract Award (SOM Visual)			1-2Q				
Contract Award (SOM Bi-Spectral)			1-2Q				
Milestone C (SOD-Visual)				2Q			
Milestone C (SOD-Bi-Spectral)					2Q		
Milestone C (SOD MMW)						1Q	
Milestone C (SOM Visual)					4Q		
Milestone C (SOM Bi-spectral)						4Q	
Milestone C (SOM MMW)							4Q