ARMY RDT&E BUDGET IT	EM JU	STIFI	CATIO	N (R-2	Exhibi	it)	Fe	bruary 2	003	
BUDGET ACTIVITY 4 - Advanced Component Development and Pro	ototypes	(e number .)603627A Dev			nt and Ta	rget Defe	eating Sys	-Adv	
COST (In Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	0	2323	10262	12972	6311	8233	15218	8915	0	64234
E78 TARGET DEFEATING SYS	0	2323	5836	6645	0	0	0	0	0	14804
E79 SMOKE/OBSCURANT SYSTEM	0	0	4426	6327	6311	8233	15218	8915	0	49430

A. Mission Description and Budget Item Justification: U.S. Forces must be able to defeat target acquisition, weapon guidance systems, and surveillance sensors across the electro-optical spectrum. This program element 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. These programs develop systems 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.

Systems developed support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

B. Program Change Summary	FY 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2003)	0	2432	10421	13590
Current Budget (FY 2004/2005 PB)	0	2323	10262	12972
Total Adjustments	0	-109	-159	-618
Congressional program reductions			-159	-618
Congressional rescissions				
Congressional increases				
Reprogrammings		-42		
SBIR/STTR Transfer		-67		
Adjustments to Budget Years				

ARMY RDT&E BUDGET IT	EM JU	STIFI	CATIO	N (R-2	A Exhi	bit)	Fe	ebruary 2	003	
BUDGET ACTIVITY 4 - Advanced Component Development and Pro	(PE NUMBER AND TITLE 0603627A - Smoke, Obscurant and Target Defeating Sys-Adv Dev PRO E78								
COST (In Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
E78 TARGET DEFEATING SYS	0	2323	5836	6645	0	0	0	0	0	14804

A. Mission Description and Budget Item Justification: U.S. Forces must be able to defeat target acquisition, weapon guidance systems, and surveillance sensors across the electro-optical spectrum. These program elements support 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. 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. Instead of traditional self-defense procedures, this technology will transfer the visibility defeating materials directly to the threat and remove soldiers from direct-fire risk. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program Initiate program planning and conduct a Milestone A for distant smoke or robotic obscuration systems.	FY 2002 0	FY 2003 1067	FY 2004 0	FY 2005 0
Conduct contract planning and execution for distant smoke or robotic obscuration systems.	0	1256	3836	3145
Conduct developmental testing (DT)or distant smoke or robotic obscuration systems.	0	0	2000	2000
Initiate program planning and conducts a Milestone B for distant smoke or robotic obscuration systems.	0	0	0	1500
Totals	0	2323	5836	6645

ARMY RDT&E BUDGET I	TEM J	USTIE	ION (F	R-2A E	xhibit)		February 2003			
BUDGET ACTIVITY 4 - Advanced Component Development and P	5				Defeatin	СТ				
B. Other Program Funding Summary	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
RDTE, A, Budget Activity 2, PE 0602622A, Project 552	3190	3395	3540	3553	3713	3742	3830	3933	Continuing	Continuing

<u>C. Acquisition Strategy:</u> Project Smoke/Obscurant and Target Defeat: The Distant Smoke System (DSS) will begin Component Advanced Development in FY2003. The effort will be a combined in-house and competitive contract program.

	ARM	Y RDT&E CO	ST AN	IALYS	SIS(R-3)			Febr	ruary 200	3	
BUDGET ACTIVITY 4 - Advanced Comp	onent Deve	lopment and Protot	ypes	060	umber an 3627A - S v Dev	ing Sys-	PROJECT					
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac
a . DSS - Supports robotic hardware development	C/CPFF	TBS	0	758	3-4Q	3500	2Q	3264	1Q	0	7522	
Subtotal:			0	758		3500		3264		0	7522	(
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac
a . DSS - Supports developmental testing	OGA	TBS	0	0		50	1Q	300	1Q	0	350	
			0	0		50		300		0	350	

BUDGET ACTIVITY 4 - Advanced Compo		Y RDT&E CO		PE N 06 0	UMBER ANI	D TITLE	oscurant a	and Targ	February 2003 PROJECT Breating Sys- PROJECT E78				
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contrac	
a . DSS - Conducts developmental tests	OGA	TBS	0	0		1409	1-2Q	1581	1Q	0	2990	(
Subtotal:			0	0		1409		1581		0	2990	(
										·			
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contrac	
a . DSS - Supports program management	In house	SBCCOM, APG, MD	0	1000	1Q	877	1Q	1500	1Q	0	3377	(
b . DSS - Conducts Milestone and Initiates contract planning	In house	SBCCOM, APG, MD	0	565	1-3Q	0		0		0	565	(
Subtotal:			0	1565		877		1500		0	3942	(
								•		·			
Project Total Cost:			0	2323		5836		6645		0	14804	(

Schedule Profile Detail	Schedule Profile Detail (R-4a Exhibit) PE NUMBER AND TITLE								
BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes			7A - Smo		d Target	rget Defeating Sys- PROJECT E78			
Schedule Detail	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
DSS - Milestone A, Program initiation		3Q							
DSS - Initiate RDTE competitive contract planning		1-2Q							
DSS - Award competitive RDTE contract		3-4Q							
DSS - Conduct developmental testing			2-3Q	4Q					
DSS - Conduct Milestone B				4Q					

ARMY RDT&E BUDGET IT	ARMY RDT&E BUDGET ITEM JUS							ebruary 2	003	
BUDGET ACTIVITY 4 - Advanced Component Development and Pro		PE NUMBER AND TITLE 0603627A - Smoke, Obscurant and Target Defeating Sys-Adv Dev PROJ E79								
COST (In Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
E79 SMOKE/OBSCURANT SYSTEM	0	(4426	6327	6311	8233	15218	8915	0	49430

A. Mission Description and Budget Item Justification: This is a new effort in FY04. U.S. Forces must be able to defeat target acquisition, weapon guidance systems, and surveillance sensors across the electro-optical spectrum. These program elements support 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. These programs develop systems provide 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.

This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2002	FY 2003	FY 2004	FY 2005
Initiate component advance development for a smoke grenade and smoke pot which will have the capability to obscure in the visible,	0	0	4332	0
infrared, and millimeter wave spectrums.				
Conduct initial Milestone B for the multispectral grenade and smoke pot.	0	0	94	0
Execute contract to build candidate smoke grenades and smoke pots with multi-spectral capability. (quantity or cost of each unknown at	0	0	0	5531
this time)				
Qualify and quantify test requirements for candidate grenades and pots.	0	0	0	600
Initiate environmental impact studies on candidates grenades and pots.	0	0	0	196
Totals	0	0	4426	6327

ARMY RDT&E BUDGET I	TEM J	USTIE	FICAT	ION (F	R-2A E	xhibit)		February 2003			
BUDGET ACTIVITY 4 - Advanced Component Development and P	S				curant an	d Target	PROJECT arget Defeating E79				
B. Other Program Funding Summary	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost	
RDTE, A, Budget Activity 5, PE 0604609A, Project 200	7293	7320	11751	3831	0	C	12757	11494	0	54446	

C. Acquisition Strategy: There will be a full and open competition for the development contract. SBCCOM will be the procurement agency.

	ARM	Y RDT&E CO	ST AN	ALYS	IS(R-3))			Febi	ruary 2003	3		
BUDGET ACTIVITY 4 - Advanced Compo	onent Deve	lopment and Protot	ypes	060	umber ani 3627A - S v Dev		scurant a	rant and Target Defeating Sys- PROJECT E79					
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac	
a . Initial Program Planning and System Design	OGA	PMNBC, APG, MD	0	0		4332	1-4Q	0		0	4332		
b . Developmental Contract	C/CPFF	TBS	0	0		0		5531	2Q	0	5531	ı	
Subtotal:			0	0		4332		5531		0	9863	(
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac	
a . Environmental Studies	OGA	TBS	0	0		0		196	2Q	0	196		
Subtotal:			0	0		0		196		0	196		

ARMY RDT&E COST ANAI BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes					PE NUMBER AND TITLE 0603627A - Smoke, Obscurant and Tar Adv Dev					February 2003 PROJECT rget Defeating Sys- E79			
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac	
a . Test & Evaluation	OGA	TBS	0	0		0		600	2Q	0	600		
Subtotal:			0	0		0		600		0	600		
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac	
a . Conduct initial Milestone B	OGA	PMNBC, APG, MD	0	0		94	1Q	0		0	94		
			0	0		94		0		0	94		
Subtotal:													
Subtotal:													

Schedule Profile Detail (R-4a Exhibit)								February 2003			
BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes		PE NUMBER AND TITLE 0603627A - Smoke, Obscurant and Target Defea Adv Dev						ating Sys- PROJECT E79			
Schedule Detail	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009			
Conduct Milestone B Award Contract			3Q	2Q							