

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)

February 2002

BUDGET ACTIVITY 4 - Demonstration/validation	PE NUMBER AND TITLE 0603627A - Smoke, Obscurant and Target Defeating Sys-Adv Dev
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COST (In Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	0	0	2432	10421	13590	6832	8821	0	42096
E78 TARGET DEFEATING SYS	0	0	2432	5927	6764	0	0	0	15123
E79 SMOKE/OBSCURANT SYSTEM	0	0	0	4494	6826	6832	8821	0	26973

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

<u>B. Program Change Summary</u>	FY 2001	FY 2002	FY 2003
President's Previous Budget (FY 2002 PB)	0	0	2438
Appropriated Value	0	0	0
Adjustments to Appropriated Value	0	0	0
a. Congressional General Reductions	0	0	0
b. SBIR / STTR	0	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0
d. Below Threshold Reprogramming	0	0	0
e. Rescissions	0	0	0
Adjustments to Budget Years Since FY2002 PB	0	0	-6
Current Budget Submit (FY 2003 PB)	0	0	2432

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COST (In Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
E78 TARGET DEFEATING SYS	0	0	2432	5927	6764	0	0	0	15123

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. Distant smoke and obscuration developmental efforts will concentrate on the ability to place obscuration on threat forces. 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).

FY 2001 Accomplishments:
 No funds provided

FY 2002 Planned Program
 No funds provided

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FY 2003 Planned Program

- 1432 DSS - (Distant Smoke System) Initiate contract planning for distant smoke or robotic obscuration systems.
- 1000 DSS - Initiate program planning and conduct a Milestone B for distant smoke or robotic obscuration systems.

Total 2432

<u>B. Other Program Funding Summary</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>To Compl</u>	<u>Total Cost</u>
RDTE, A, Budget Activity 2, PE 0602622A, Project 552	3840	3529	3675	3940	3904	4461	4605	Continuing	Continuing

C. Acquisition Strategy: 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.

<u>D. Schedule Profile</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
DSS - Milestone B, Program initiation			3Q				
DSS - Initiate RDTE competitive contract planning			1-2Q				
DSS - Award competitive RDTE contract			3-4Q				

ARMY RDT&E COST ANALYSIS(R-3)

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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Robotic hardware development	C/CPFF	TBS	0	0		0		800	3-4Q	0	800	0
Subtotal:			0	0		0		800		0	800	0

II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . DSS - Program management	In house	SBCCOM, APG, MD	0	0		0		1000	1Q	0	1000	0
b . DSS - Conduct Milestone and Initiate contract planning	In house	SBCCOM, APG, MD	0	0		0		632	1-3Q	0	632	0
Subtotal:			0	0		0		1632		0	1632	0

Project Total Cost:			0	0		0		2432		0	2432	0
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