

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2004

BUDGET ACTIVITY

4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE

0603856A - SCAMP Block II

PROJECT

389

COST (In Thousands)	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 Cost
389 SCAMP SEP	14102	27716	10221	9253	0	0	0	0	87442

A. Mission Description and Budget Item Justification: The SCAMP Block II program, consisting of two terminals, the SCAMP Manportable System Enhancement Program(SEP)terminal and the SCAMP Manpackable Terminal in support of the Advanced Extremely High Frequency (AEHF) Satellite Program, is being realigned. The Army redirected the AEHF SCAMP Manpackable requirements to realign to the emerging WIN-T Operational Requirements Document(ORD)/Multi-band Integrated Satellite Terminal (MIST) program in support of the Future Combat System/Future Force. The Army renamed Project Element 0603856A/D389 as SCAMP SEP to reflect the realigned mission. The SCAMP SEP terminal supports the requirements in the Joint AEHF ORD and provides worldwide anti-jam, low probability of intercept and detection and assured voice and data communications for the joint global warfighter. SCAMP SEP will transmit the Extremely High Frequency (EHF) band and receive in the Super High Frequency(SHF) band and will operate over Milstar, other MIL-STD-1582 compatible payloads, and the future AEHF payload, providing secure voice and data services. SCAMP SEP will transmit and receive intelligence, situational awareness, as well as command and control traffic.

The SCAMP Manportable SEP terminal upgrades existing SCAMP terminals to support the AEHF Satellite Program. In support of the Joint AEHF ORD dated 2 Oct 00, the Manportable SEP will provide up to 64 Kbps Uplink(narrowband) and up to 128 Kbps Downlink AEHF capability to units, Division Headquarters and Above, and Special Operations Forces that require increased data rates for range extended command and control communications. This system supports the Current-to-Future transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2003	FY 2004	FY 2005
AEHF SCAMP SEP modification kit development	12946	20487	8896
Develop and integrate SCAMP SEP additional test resources and conduct Development Tests	0	4878	570
Development and test of 2 AEHF SCAMP Manpackable prototypes	150	0	0
Support to AEHF Satellite Program, Baseband Working Groups and Technical Interchange Meetings	1006	1551	755
SBIR/STTR	0	800	0
Totals	14102	27716	10221

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<u>B. Program Change Summary</u>	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2004)	14352	28028	15107
Current Budget (FY 2005 PB)	14102	27716	10221
Total Adjustments	-250	-312	-4886
Congressional program reductions		-263	
Congressional rescissions			
Congressional increases			
Reprogrammings	-250	-49	
SBIR/STTR Transfer			
Adjustments to Budget Years			-4886

FY05 funds realigned \$4.886M to higher priority Army requirements.

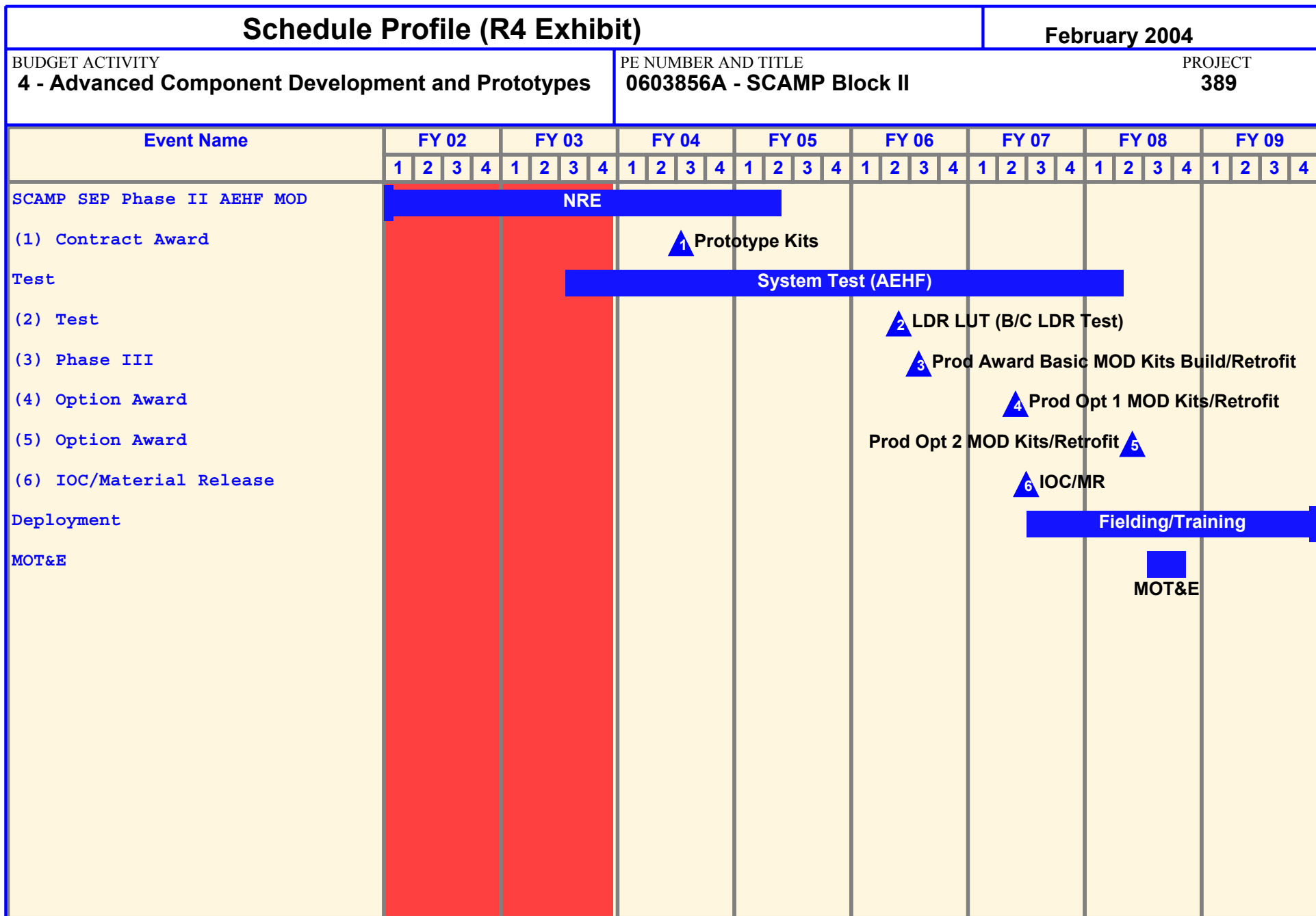
<u>C. Other Program Funding Summary</u>	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
BC4110 - SCAMP SEP	0	0	0	11684	14408	11379	7048	Continue	Continue

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<p><u>D. Acquisition Strategy:</u> The SCAMP Manportable SEP acquisition strategy upgrades the Current SCAMP to meet the Manportable AEHF requirement in the Joint AEHF ORD. A development modification to the existing Rockwell Collins contract was awarded on 28 Feb 01 to implement AEHF capability.</p>		

ARMY RDT&E COST ANALYSIS(R3)									February 2004			
BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes					PE NUMBER AND TITLE 0603856A - SCAMP Block II					PROJECT 389		
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	Target Value of Contract
a . System Development	MIPR	MIT Lincoln Labs - Lexington, MA	20144	1721	2Q	2165	2Q	750	2Q	Continue	24780	Continue
b . Other Contracts	Various	Various	3048	252		266	2Q	266		0	3832	0
c . Govt Eng Support	MIPR	Various	2789	75	2Q	1341	2Q	604	2Q	Continue	4809	Continue
d . Major Contract	SS/CPIF	Rockwell Collins - Cedar Rapids, IA	14118	11204	2Q	17216	2Q	6222	2Q	Continue	48760	Continue
e . GFE	MIPR	Various	458	0		0		0		0	458	0
f . ABCS SE&I	PWD	TRW - Carson, CA	100	0		0		0		0	100	0
Subtotal:			40657	13252		20988		7842		Continue	82739	Continue

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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	Target Value of Contract
a . Labs/OGAs	MIPR	Various	413	0		0		0		0	413	0
b . Support Contracts	Various	Various	2244	87	2Q	769	2Q	533	2Q	Continue	3633	Continue
c . Government Support	Various	Various	0	0		0	2Q	0		0	0	0
Subtotal:			2657	87		769		533		Continue	4046	Continue
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 Contract
a . Test Demonstration	MIPR	MIT Lincoln Labs Lexington, MA	1525	0		0		0		0	1525	0
b . DT&E	Various	Various	397	0	2Q	0	2Q	143	2Q	Continue	540	Continue
c . Major Contracts	SS/CPIF	Rockwell Collins Cedar Rapids, IA	0	605	2Q	2956	2Q	159	2Q	Continue	3720	Continue
d . LL DT&E	MIPR	MIT Lincoln Labs Lexington, MA	2056	0		0	2Q	0		0	2056	0

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III. Test and Evaluation (continued)	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 Contract
Subtotal:			3978	605		2956		302		Continue	7841	Continue
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 Contract
a . Govt Program Support	MIPR	Various	3892	100	2Q	1511	2Q	1065	2Q	Continue	6568	Continue
b . Support Contracts	Various	Various	1021	58	2Q	692	2Q	479	2Q	Continue	2250	Continue
c . SBIR/STTR			0	0		800		0		0	800	0
Subtotal:			4913	158		3003		1544		Continue	9618	Continue
Project Total Cost:			52205	14102		27716		10221		Continue	104244	Continue



Schedule Detail (R4a Exhibit)						February 2004	
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<u>Schedule Detail</u>	<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>
MANPORTABLE (SEP) TERMINAL:							
Continue System Development/Test/Integration	1-4Q	1-4Q	1-4Q	1Q			
Complete System Development/Test/Integration				2Q			
Procure Prototype Kits - AEHF		3Q					
Limited User Test - Backward Compatible LDR Mode				2Q			
Complete Retrofit Prototype Kits - AEHF				2Q			
Award Production Contract (Basic and Options)				3Q	2Q	2Q	
Field Retrofit Kits from Production Contract					3-4Q	3-4Q	1-4Q
Conduct Multi Service Operational Test & Evaluation (MOT&E)						3-4Q	