ARMY RDT&E BUDGET IT	EM JU	STIFI	CATIO	N (R-2	Exhibi	it)	Fe	ebruary 2	003	
BUDGET ACTIVITY 5 - System Development and Demonstration			E NUMBER 0604814A			oy Arman	nent Miss	sile - Eng	Dev	
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	59329	102188	133994	153389	161909	173445	223058	264958	0	1300866
708 XM982 PROJECTILE	59329	102188	133994	143359	142300	144051	183807	191407	0	1129031
709 ADVANCED FIELD ARTILLERY MUNITION	0	0	0	10030	19609	29394	39251	73551	0	171835

A. Mission Description and Budget Item Justification: This program funds multiple efforts; the Excalibur XM982 Projectile Blocks I, II and III, and the Spin Stabilized-Sensor Fuzed Munition (SS-SFM).

XM982 Projectile funds the development of the Excalibur 155mm projectile and integration of the Unitary warhead (Block I) and Smart Munition (Block II). Excalibur provides improved fire support through a Precision Guided Extended Range family of munitions with greatly increased accuracy and reduced collateral damage in support of the Objective Force. The Excalibur will be compatible with the Future Combat System-Cannon (FCS-C). The Excalibur will allow greater standoff and faster defeat of potential threats, increasing soldier survivability while reducing the ammunition workload. The Product Management Office (PMO) recently completed a merger with the Trajectory Correctable Munitions (TCM) program to reduce program risk. Excalibur Unitary is an international program, teamed with the Kingdom of Sweden (KoS), who will contribute resources towards the development in accordance with an established Project Agreement. This system supports the Transformation Campaign Plan (TCP).

Funding also conducts an assessment of SS-SFM systems. SS-SFM's are advanced "fire and forget" smart artillery projectiles that can be used in all 155mm artillery systems. SS-SFM's use one or more sensors to defeat self-propelled artillery and lightly armored targets in all weather and environmental conditions. This system supports the Transformation Campaign Plan (TCP).

Advanced Field Artillery Munition (AFAM) funds the development of a Discriminating Munition that will seek, detect, discriminate and engage specified target(s) located in complex and urban terrain and is part of the Excalibur family of munitions (Block III). It will be compatible with the Future Combat System-Cannon (FCS-C). This system supports the Transformation Campaign Plan (TCP).

Funding also provides for technology updates (technology refresh) of electronics in Excalibur Blocks I and II. Planned technology updates include interoperability with the next generation GPS system, insertion of future planned lower unit cost components (such as the DoD Common Guidance / Common Sensor Inertial Measurement Unit), avoidance of parts obsolescence, and maintaining technology relevance against future threats.

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

February 2003

BUDGET ACTIVITY

5 - System Development and Demonstration

PE NUMBER AND TITLE

0604814A - Sense and Destroy Armament Missile - Eng Dev

B. Program Change Summary	FY 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2003)	61300	70888	53067	29833
Current Budget (FY 2004/2005 PB)	59329	102188	133994	153389
Total Adjustments	-1971	31300	80927	123556
Congressional program reductions				
Congressional rescissions		-1451		
Congressional increases		36225		
Reprogrammings	-312	-587		
SBIR/STTR Transfer	-1659	-2887		
Adjustments to Budget Years			80927	123556

FY03: Congressional increase for program (+\$36.2M). This was as a result of Amended FY03 Budget Request due to termination of Crusader program.

FY04: Transfer from procurement to fund integration/merger of Trajectory Correctable Munition (TCM) with Excalibur projectile (+\$38.1M), addition of Spin Stabilized-Sensor Fuze Munition Program (+\$9.8M) and increase of funds for reliability growth and cost reduction activities (+\$33.0M).

FY05: Transfer from procurement to fund integration/merger of TCM with Excalibur projectile (+\$33.5M), addition of Spin Stabilized-Sensor Fuze Munition Program (+\$23.2M) and increase of funds for reliability growth and cost reduction activities (+\$66.9M).

ARMY RDT&E BUDGET IT	EM JU	STIFI	CATIO	N (R-2	A Exhi	bit)	Fe	ebruary 2	003	
BUDGET ACTIVITY 5 - System Development and Demonstration		(E NUMBER . 0604814A E ng Dev			y Arman	nent Miss	sile -	PROJECT 708	
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
708 XM982 PROJECTILE	59329	102188	133994	143359	142300	144051	183807	191407	0	1129031

A. Mission Description and Budget Item Justification: This project funds two programs, the Excalibur XM982 Projectile and the Spin Stabilized-Sensor Fuzed Munition (SS-SFM).

XM982 Projectile funds the development of the Excalibur 155mm projectile and integration of the Unitary warhead (Block I) and Smart Munition (Block II). Excalibur provides improved fire support through a Precision Guided Extended Range family of munitions with greatly increased accuracy and reduced collateral damage in support of the Objective Force. The Excalibur will be compatible with the Future Combat System-Cannon (FCS-C). The Excalibur will allow greater standoff and faster defeat of potential threats, increasing soldier survivability while reducing the ammunition workload. The Product Management Office (PMO) recently completed a merger with the Trajectory Correctable Munitions (TCM) program to reduce program risk. Excalibur Unitary is an international program, teamed with the Kingdom of Sweden (KoS), who will contribute resources towards the development in accordance with an established Project Agreement. This system supports the Transformation Campaign Plan (TCP).

Funding also conducts an assessment of SS-SFM systems. SS-SFM's are advanced "fire and forget" smart artillery projectiles that can be used in all 155mm artillery systems. SS-SFM's use one or more sensors to defeat self-propelled artillery and lightly armored targets in all weather and environmental conditions. This system supports the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2002	FY 2003	FY 2004	FY 2005
Continue airframe tactical structure and conduct contractor development testing with merged Excalibur-TCM design.	9235	22507	24428	23041
Continue guidance unit integration, gun hardening, tactical telemetry, systems software development, and programmed maneuver flight demonstration.	21339	27467	38376	38542
Continue to execute Systems and Specialty Engineering activities, to include specification development, Cost As Independent Variable (CAIV), program metric tracking, and conduct modeling of lethality, effectiveness, and aeroballistics, and requirements analysis to incorporate a tactical telemetry system.	7694	17273	19996	20720
Continue Unitary warhead development, to include structure penetration, and fragmentation testing	10177	9329	13071	8482
Continue Platform Integration effort including design and build of prototype hardware for Platform Integration Kit and Portable Inductive Artillery Fuze Setter (EPIAFS) and development of Advanced Field Artillery Tactical Direction System (AFATDS) integration.	4553	5925	13206	11854

ARMY RDT&E BUDGET ITEM JUSTIF	TICATION (R-2A Exhibit)		Februar	y 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604814A - Sense and Destroy Arn Eng Dev	nament M	nment Missile - PROJEC				
Accomplishments/Planned Program (continued) Continue maturing technology of TCM program to integrate into the Excalibur program. Procured 30 test projectiles and 18 guidance test projectiles for FY02 Contractor Developm	nent Testing.	FY 2002 3500 2831	FY 2003 7500 0	FY 2004 0 0	FY 2005 0		
Procure and test 16 structure test projectiles, 8 soft recovery Guidance system evaluation te measurement rounds, and 36 warhead test projectiles for FY03 Contractor Development Te		0	12187	0	0		
Procure and test 16 structure test projectiles, 27 soft recovery Guidance system evaluation warhead test projectiles for FY04 Contractor Development Testing.	test projectiles, 7 full up system rounds, and 36	0	0	15117	0		
Procure and test 16 structure test projectiles, 15 soft recovery Guidance system evaluation to 162 warhead test projectiles for FY05 Contractor Development Testing.	test projectiles, 40 full up system rounds, and	0	0	0	17520		
SS-SFM Comparative Testing to include Winter, Summer and Desert Testing Initiate SS-SFM Prelimary Qualification testing, to include firing tables, safety tests and Le	ethal Mechanism Characterization	0	0	9800 0	15200 8000		
Totals		59329	102188	133994	143359		

5 - System Development and Demonstration						estroy Aı	rmament	Missile -	PROJE 708	CCT
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
Procurement Ammunition Army: E80103	C	C	C	C	21544	28172	61909	129720	3894600	4135945
OPA2: Enhanced Portable Inductive Fuze Setter (E-PIAFS): AD3260	C	C	C	0	0	0	5898	11726	0	17624
RDTE: 0604814A D709 Advanced Field Artillery Munition	C	C	C	10030	19609	29394	39251	73551	Continuing	Continuing

C. Acquisition Strategy: Excalibur is a family of 155mm Precision Guided Extended Range Munitions. A competitive source selection awarded an Engineering and Manufacturing Development (E&MD) contract for the initial variant, with options for the other variant's development and all Low Rate Initial Production quantities (LRIPs). The Product Management Office (PMO) merged the Trajectory Correctable Munitions (TCM) and Excalibur programs to satisfy the common guided extended range requirement. This merger will reduce program risk through incorporation of TCM technology. The PMO awarded a single, merged contract for the balance of System Development and Demonstration (SDD) with options for LRIP.

The SS-SFM strategy is to utilize full and open competition to assure that the "best value" system is selected and produced. The performance specification will be for a non-developmental SS-SFM. Competitors will provide twelve bid sample units, additional performance data, and fixed price costing data. The bid samples will be tested at Yuma Proving Grounds (YPG) in a "side-by-side" test against the extreme environmental and countermeasure target requirements of the SADARM Operational Requirements Document (ORD). The "best-value" munition based on cost, schedule, performance, production capability and risk will be selected for further testing. Additionally, proposal evaluation will determine the extent of additional required qualification testing leading up to and during operational testing.

ARMY RDT&E COST ANALYSIS(R-3) February 2003 BUDGET ACTIVITY PE NUMBER AND TITLE PROJECT **5 - System Development and Demonstration** 0604814A - Sense and Destroy Armament Missile - Eng 708 Dev FY 2003 FY 2004 FY 2004 FY 2005 Target I. Product Development Contract Performing Activity & Total FY 2003 FY 2005 Cost To Total Method & PYs Cost Value of Location Cost Award Cost Award Cost Award Complete Cost Type Date Date Date Contract Raytheon Missile a . Excalibur Development C/CPAF 81873 72630 10 90571 1Q 81330 1Q 86484 412888 418737 System, Tucson, AZ b . Award Fee on Excalibur N/A Ravtheon Missile 0 4604 2-40 5462 2-40 13973 2-40 9809 33848 33848 Development Contract System, Tucson, AZ c . TCM Technology FP Bofors Defence 3430 7500 10 0 0 10930 10930 Integration d. Platform Integration-CPAF TBD 0 100 20 400 10 10 1200 2900 2900 1200 Systems Contractor e . EPIAFs and Platform MIPR TACOM-ARDEC. 2951 500 20 10 1860 10 2790 9961 1860 0 Integration Kit Development Picatinny Arsenal, NJ f. Misc Contracts 367 200 1-20 200 1-20 200 1-20 400 1367 1367 Various Various g. Platform Integration/Fire Raytheon AFATDS, Ft SS/CPIF 0 990 1Q 400 1Q 440 1830 1830 Control Wayne, IN h . Platform Integration MIPR TACOM-ARDEC, 1840 0 400 2Q 420 1Q 441 1Q 579 0 Firing Tables Development Firing Tables Branch i . SS-SFM Test Projectiles C/FFP TBD 0 8640 2Q 0 0 8640 0 j. SS-SFM Qualification SS/FFP TBD 0 0 11400 15900 27300 0

	ARM	Y RDT&E CO	ST AN	ALYS	IS(R-3))			Febr	ruary 200	13	
(continued) Method & Location PYs Cost Type 88621		умвек ani 4814A - S 7		Destroy A	Armame	nt Missile	PROJEC 708					
I. Product Development (continued)	Method &			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
Subtotal:			88621	85934		108543		110804		117602	511504	469612
II Support Cost	Contract	Douformain a Activity 6	Total	FY 2003	FY 2003	FY 2004	FY 2004	FY 2005	FY 2005	Cost To	Total	Targe
u. Support Cost	Method &			Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete	Cost	Value o Contrac
a . Program Management	In House		4369	3337	1-4Q	3470	1-4Q	3609	1-4Q	6466	21251	
	MIPR		11013	3729	1-4Q	3878	1-4Q	4034	1-4Q	6921	29575	
	MIPR		560	350	2Q	0		0		0	910	
	MIPR	Ft. Sill, OK	554	650	2Q	650	1Q	700	1Q	793	3347	
	MIPR	ARDEC, Picatinny	450	0		0		0		0	450	
	MIPR		1401	850	2-3Q	851	1-2Q	852	1-2Q	1103	5057	

	ARM	Y RDT&E CO	DST AN	ALYS	IS(R-3))			Febr	ruary 200	3	
BUDGET ACTIVITY 5 - System Developm	ent and De	emonstration			umber ani 1 4814A - S v		Destroy .	Armame	nt Missile	e - Eng	PROJEC 708	Т
II. Support Cost	Contract	Performing Activity &	Total	FY 2003	FY 2003	FY 2004	FY 2004	FY 2005	FY 2005	Cost To	Total	Targe
(continued)	Method & Type	Location	PYs Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete	Cost	Value of Contrac
g . Milestone Support	SS/FP	Camber, Alexandria, VA	299	300	2Q	425	2Q	425	2Q	567	2016	Contrac (
h . Technical Spt Contract for Platform Integration	SS/FP	Camber, Dallas, TX	179	120	2Q	121	1-2Q	122	1-2Q	247	789	(
i . Fire Control development support	PM EFCS / TSM AFATDS	Ft Monmouth, NJ/Ft Sill, OK	0	320	2-3Q	336	1-2Q	353	1-2Q	359	1368	(
j . Miscellaneous Support	MIPR	VAR	252	250	1-4Q	320	1-4Q	320	1-4Q	370	1512	(
k . Platform Integration Software Support	MIPR	Navy Surface Warfare Center, MD	80	160	2-4Q	160	1-4Q	180	1-4Q	180	760	(
1. PM CAS SS-SFM	In-House	PM CAS, Picatinny Arsenal, NJ	0	0		500	1Q	500	1Q	500	1500	(
m . Government IPT Support SS-SFM	MIPR	TACOM-ARDEC, Picatinny Arsenal, NJ	0	0		660	1Q	2300	1Q	1000	3960	(
Subtotal:			19157	10066		11371		13395		18506	72495	(

BUDGET ACTIVITY 5 - System Developm	ent and D	emonstration			umber ani 4814A - S '		Destroy A	Armamei	nt Missile	e - Eng	PROJEC 708	Т
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 of Contrac
a . ATEC Test Range	MIPR	YPG, Yuma, AZ	4400	2460	2-4Q	6754	1-4Q	5200	1-4Q	14513	33327	(
b . Test Instrumentation and Analysis	MIPR	Army Research Labs, Adelphi, MD	540	950	2-4Q	905	1-4Q	485	1-4Q	900	3780	(
c . Telemetry Support	SS/FF	Physical Science Laboratories (PSL), Las Cruces, NM	676	640	2Q	950	1Q	640	1Q	900	3806	(
d . Telemetry Support	MIPR	TACOM-ARDEC, Picatinny Arsenal, NJ	1386	1140	2Q	4003	1Q	2367	1Q	2643	11539	(
e . Telemetry Cryptographic Support	MIPR	Ft. Huachuca, AZ	78	0		0		0		0	78	(
f . Tri-Service Software Assessment	MIPR	OSD, Wash, DC	61	0		0		0		0	61	(
g . Operational Test Support	MIPR	ATEC, Alexandria, VA	0	68	2Q	68	2Q	68	2Q	950	1154	(
h . Target Replacement Definition, Maintenance and Repair and Threat Assessment	MIPR	Various	100	100	2-4Q	100	1-2Q	100	1-2Q	300	700	(
i . ARDEC Testing	MIPR	ARDEC, Picatinny Arsenal, NJ	475	180	2-4Q	300	1-4Q	300	1-4Q	600	1855	(

	7 7 7 7 7 7	Y RDT&E CO			` ′				rebi	ruary 200		
BUDGET ACTIVITY 5 - System Developm	ent and D	emonstration			number ani 04814A - S e v		Destroy A	Armame	nt Missile	e - Eng	PROJEC 708	T
III. Test and Evaluation	Contract	Performing Activity &	Total	FY 2003	FY 2003	FY 2004	FY 2004	FY 2005	FY 2005	Cost To	Total	Targe
(continued)	Method & Type	Location	PYs Cost	Cos	Award Date	Cost	Award Date	Cost	Award Date	Complete	Cost	Value o Contrac
j . Test Gun Equipment	MIPR	Watervliet Arsenal, MA	2050	650	2-4Q	1000	1-2Q	1000	1-2Q	1150	5850	(
k . Target Replacement Definition, Maintenance and Repair-SS-SFM	MIPR	TBD	0	C		0		2300	1Q	2300	4600	(
1. Test Ranges and Support- SS-SFM	MIPR	TBD	0	C		0		4000	1-4Q	4000	8000	(
m . Live Fire and Lethal Mechanism Test Support-SS- SFM	MIPR	TBD	0	C		0		2700	2Q	0	2700	(
Subtotal:			9766	6188		14080		19160		28256	77450	

BUDGET ACTIVITY	7444114	Y RDT&E CO			JMBER ANI				rebi	ruary 200	PROJEC	Т
5 - System Developm	ent and De	emonstration		060 Dev		ense and	Destroy A	Armame	nt Missile	e - Eng	708	
V. 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
Subtotal:			0	0		0		0		0	0	
Remarks: Not Applicable												
Project Total Cost:			117544	102188		133994		143359		164364	661449	46961

Schedule Profile Det BUDGET ACTIVITY 5 - System Development and Demonstration	tan (N-4 a .	PE NUMBI	ER AND TI		stroy Ar	mament	Februa Missile -	PROJEC Eng 708	
		Dev							
Schedule Detail	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
TCM Merger Decision	1Q								
Warhead Contractor Development Test Firing	1-4Q	1-4Q	1-4Q	1-3Q					
Guidance Soft Recovery Testing/Sys. Reliability Growth	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-3Q			
Program Review with AAE	4Q								
Contract Definitization for Merger of TCM and Excalibur		1Q							
Tactical Guidance System Testing - Open Loop			2Q						
Extended Range Demonstration				2Q					
Initial Full System Test Firing				2Q					
Pre-Qualification Testing (PQT)					1Q				
System Critical Design Review (CDR) -1			4Q						
System Final CDR -2					1Q				
Inductive Fuze Setter Preliminary Design Review (PDR)			1Q						
Inductive Fuze Setter CDR				2Q					
Start Developmental Technical (DT) Test, Evaluation &					1Q				
Qualification									
Milestone C					2-3Q				
Award LRIP I Contract					3Q				
Complete Developmental Technical Test and Evaluation						3Q			
Award LRIP II Contract						2Q			
First Article Test						4Q	10		
System IOT&E							1Q		
Award LRIP III Contract							2Q		
Full Rate Production Interim Progress Review (IPR)							4Q		
System IOC						10	4Q		
Initiate Study for Block 2 - Smart Munition						1Q	10		
Conduct IPR for Block 2 - Smart Munition							1Q		
Award SDD Contract for Block 2 - Smart Munition							2Q	20	
Conduct Systems Rqmts Review Block 2 - Smart Munition								2Q	

	ARMY RDT&E BUDGET IT	EM JU	STIFI	CATIO	N (R-2	A Exhi	bit)	Fe	ebruary 2	003	
	ACTIVITY em Development and Demonstration			PE NUMBER 0604814A Eng Dev			oy Arman	nent Miss	sile -	PROJECT 709	
	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
709	ADVANCED FIELD ARTILLERY MUNITION	0		0	10030	19609	29394	39251	73551	0	171835

A. Mission Description and Budget Item Justification: This project funds two programs, the Excalibur XM982 Discriminating Munition Projectile (Block III) and Technology Refresh for Excalibur Blocks I and II.

Advanced Field Artillery Munition (AFAM) funds the development of a Discriminating Munition that will seek, detect, discriminate and engage specified target(s) located in complex and urban terrain and is part of the Excalibur family of munitions (Block III). It will be compatible with the Future Combat System-Cannon (FCS-C). This system supports the Transformation Campaign Plan (TCP).

Funding also provides for technology updates (technology refresh) of electronics in Excalibur Blocks I and II. Planned technology updates include interoperability with the next generation GPS system, insertion of future planned lower unit cost components (such as the DoD Common Guidance / Common Sensor Inertial Measurement Unit), avoidance of parts obsolescence, and maintaining technology relevance against future threats.

1	Accomplishments/Planned Program	FY 2002	FY 2003	FY 2004	
(Conduct concept analysis to establish preliminary Discriminating requirements.	0	0	0	2360
]	Procures 40 test articles to support modeling efforts, and to demonstrate technology gun hardening	0	0	0	3600
(Conduct development efforts to insert technology updates into the Excalibur munition.	0	0	0	4070
	Totals	0	0	0	10030

ARMY RDT&E BUDGET	ITEM J	IUSTII	FICAT	ION (I	R-2A E	xhibit)		Febru	ary 2003	
5 - System Development and Demonstration						estroy Ar	mament	Missile -	PROJE 709	CT
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
XM982 Projectile (Excaibur) 604814A D708	59329	102188	133994	143359	142300	144051	183807	191407	Continuing	Continuing
PAA: Proj 155mm Extended Range XM982-U Excalibur (E80103)	0	0	C	C	21544	28172	61909	129720	Continuing	Continuing
OPA2: Enhanced Portable Inductive Fuze Setter (E-PIAFS) (AD3260)	0	0	C	C	0	0	5898	11726	0	17624

<u>C. Acquisition Strategy:</u> The Acquisition Strategy for the Advanced Field Artillery Munition is covered in the Excalibur Acquisition Strategy. This effort addresses the development of the Excalibur Block III - Discriminating as well as technology refresh of key components and subsystems for Excalibur Blocks I and II.

BUDGET ACTIVITY 5 - System Developm	ent and Do	emonstration			umber ani 14814A - S v		Destroy A	Armame	nt Missile	e - Eng	PROJEC 709	Т
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		Target Value of Contrac
a . Technology Refresh	SS/CPAF	Raytheon Missile Systems, Tucson, AZ	0	0		0		6190	2Q	Continue	6190	(
b . Discrinating Munitions Concept Study	TBD	TBD	0	0		0		1800	2Q	Continue	Continue	(
Subtotal:			0	0		0		7990		Continue	Continue	(
Subtotal:								,				
Subtotal:								,				
II. Support Cost	Contract Method & Type In House	Performing Activity & Location PM Excalibut, Picatinny	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	Cost	Target Value of Contract
II. Support Cost a . Program Management	Method & Type In House	Location PM Excalibur, Picatinny Arsenal, NJ	PYs Cost 0	Cost 0	Award	Cost 0	Award	Cost 280	Award Date 1Q	Complete	Cost	Value of Contrac
II. Support Cost	Method & Type	Location PM Excalibur, Picatinny	PYs Cost	Cost	Award	Cost	Award	Cost	Award Date	Complete	Cost	Value of Contract
II. Support Cost a . Program Management	Method & Type In House	Location PM Excalibur, Picatinny Arsenal, NJ TACOM-ARDEC,	PYs Cost 0	Cost 0	Award	Cost 0	Award	Cost 280	Award Date 1Q	Continue Continue	Continue Continue	Value of Contrac

BUDGET ACTIVITY 5 - System Development and I III. Test and Evaluation Contract Method & Type	Demonstration Performing Activity &			JMBER ANI					ruary 20	~~	
Method &	Performing Activity &		Dev	4814A - S		Destroy A	Armame	nt Missile		PROJEC 709	Т
	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 . TECOM Testing MIPR	YPG, Yuma, AZ	0	0		0		320	3Q	Continue	Continue	
Subtotal:		0	0		0		320		Continue	Continue	
V. 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		Targ Value (Contra
Subtotal:		0	0		0		0		0	0	
Project Total Cost:		0	0		0		10030		Continue	Continue	

Schedule Profile Det		February 2003								
BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER AND TITLE 0604814A - Sense and Destroy Arman Dev					PROJEC			
Schedule Detail	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009		
Iniate RFP for Phase I Discriminating Concept Studies				1Q						
Award Phase I Discriminating Concept Studies Contract				2-3Q						
Phase I Discriminating Study Outbrief					2Q					
Award Phase 2 of Discriminating Concept Studies Contract						1Q				
Phase 2 Discriminating Study Outbrief							1Q			
Initiate RFP for Discriminating Munition SDD contract								1Q		
Award Discriminating Munition SDD contract								3Q		
Initiate Technology Refresh Study Group				1Q						
Award Technology Refresh Contract				3Q						
Conduct testing with new hardware - Technology Refresh					2-4Q	1-4Q				
Engineering Change Proposal for Excalibur LRIP contract - Technology Refresh							2Q			