

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2005

BUDGET ACTIVITY

5 - System Development and Demonstration

PE NUMBER AND TITLE

0604 □ 23A - FIREFINDER

COST (In Thousands)	FY 2004 Actual	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	23103	21764	46061	69085	61314	78677	55008	30491	0	Continuing
L85 PHOENIX BATTLEFIELD SENSOR SYS AN/TPQ-47	23103	21764	0	0	0	0	0	0	0	Continuing
L86 LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)	0	0	23877	16677	2801	0	0	0	0	Continuing
L87 LONG RANGE COUNTERFIRE RADAR	0	0	0	0	5066	41285	37130	25404	0	108885
L88 ENHANCED AN/TPQ 36	0	0	22184	52408	53447	37392	17878	5087	0	Continuing

A. Mission Description and Budget Item Justification: This Program funds design, development and test of primary target acquisition and counterfire radars to automatically detect, locate and classify hostile indirect fire weapons (mortars, artillery, rockets, and missiles). This PE directly supports the prioritization, tracking, and locating of targets, and dissemination of that information for simultaneous attack of multiple threats. It provides the Warfighter with continuous and responsive counterfire target acquisition systems for all types and phases of military operations. Project L85, Phoenix Battlefield Sensor System AN/TPQ-47, is being re-structured in FY05 to an alternate contract conclusion due to technical challenges and competing near term radar performance shortfalls identified in Operation Iraqi Freedom (OIF). Project L86, Objective Lightweight Counter Mortar Radar (O-LCMR), will provide 360 degree coverage and be used to detect, locate and report hostile locations of enemy indirect firing systems out to a range of 10 kilometers. Project L87, Long Range Counterfire Radar, was established in response to a need for a longer range, more accurate and less manpower intensive radar. It will provide extended artillery range performance as well as a new capability for missile and rocket detection. Project L88, Enhanced AN/TPQ-36 (EQ-36), is a highly mobile radar system that will leverage the latest in solid state technology design to accelerate technology infusion and increase range while improving False Alarm Rate, reducing obsolescence and increasing reliability. EQ-36 will initially provide 90 degree coverage and extended range, with a spiral development to increase detection capability to 360 degrees. The EQ-36 will be interoperable with Firefinder and future Battle Command Systems.

Justification:

FY2006/2007 funds the development and fabrication of six O-LCMR prototype systems and begins development of operator and maintenance training systems.

FY2006/2007 begins development and fabrication of six EQ-36 prototype systems and begins development of operator and maintenance training systems.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)**February 2005**

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	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2005)	18516	10717	5757
Current Budget (FY 2006/2007 PB)	21764	46061	69085
Total Adjustments	3248	35344	63328
Net of Program/Database Changes			
Congressional Program Reductions	-315		
Congressional Rescissions			
Congressional Increases	4200		
Reprogrammings	-12		
SBIR/STTR Transfer	-625		
Adjustments to Budget Years		35344	63328

FY2004 Reprogramming, below threshold reprogramming.

FY2005/2006 funds realigned to support the development of operator and maintenance training system. FY2007 funding was redirected to HQDA higher priority efforts.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)							February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER				PROJECT L □ 5		
COST (In Thousands)	FY 2004 Actual	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
L85 PHOENIX BATTLEFIELD SENSOR SYS AN/TPQ-47	23103	21764	0	0	0	0	0	0	0	Continuing
<p>A. Mission Description and Budget Item Justification: The AN/TPQ-47, popular name "Phoenix Battlefield Sensor System (PBS2)", is being re-structured in FY05 to an alternate contract conclusion due to technical challenges and competing near term radar performance shortfalls identified in OIF. The program will no longer achieve the original threshold technical parameters. Program will conclude with a demonstration to characterize radar performance and a final report.</p>										
<u>Accomplishments/Planned Program</u>							FY 2004	FY 2005	FY 2006	FY 2007
Develop a Radar Environmental Simulator System (RESS). Efforts include development, continual refinement during system development test, and maintenance.							773	0	0	0
Build, integration and contractor test of System #1. Efforts include design, materials, labor, and contractor acceptance test.							2591	0	0	0
Build, integration and contractor test of System #2. Efforts include design, materials, labor, and contractor acceptance test.							11440	0	0	0
Prime contractor activities to support Developmental Test and Limited User Test. Efforts include contractor conduct of Live Ammunition Tests at Yuma Proving Ground (YPG) and required fixes to hardware/software.							4318	0	0	0
Government Test Costs. Efforts include cost of range times at YPG, gun crews, ammunition and government manpower to support system test.							3981	0	0	0
Prime contractor activities for alternate contract completion. Efforts include preparing radar for demonstration and delivery of final report.							0	7650	0	0
Test costs associated with contractor demonstration at Yuma Proving Ground. Efforts include cost of range times, gun crews and ammunition.							0	1765	0	0
Revise radar strategy. Efforts include preparation of program documentation/decision reviews and support of revised program strategy.							0	12349	0	0
Totals							23103	21764	0	0

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)		February 2005
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PROJECT L □ 5		
<p><u>B. Other Program Funding Summary:</u> Not applicable for this item.</p>		
<p><u>C. Acquisition Strategy:</u>The Contracting Officer issued a Stop Work Order 24 Sep 04. A Termination Letter was issued 18 Oct 04, but it allowed the contractor the option to submit a proposal for an alternative contract conclusion. The PM and contractor are negotiating that proposal. The MDA authorized the PM to proceed with a Firm Fixed Price (FFP) alternate contract conclusion which will finalize the Government's liability. This alternative approach was deemed the most advantageous to the Government to limit liability and program duration. A contract modification will be issued in 2QFY05 and all efforts will be concluded during this FY.</p>		

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
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BUDGET ACTIVITY

5 - System Development and Demonstration

PE NUMBER AND TITLE
060423A - FIREFINDER

PROJECT
L5

C. Acquisition Strategy: The Contracting Officer issued a Stop Work Order 24 Sep 04. A Termination Letter was issued 18 Oct 04, but it allowed the contractor the option to submit a proposal for an alternative contract conclusion. The PM and contractor are negotiating that proposal. The MDA authorized the PM to proceed with a Firm Fixed Price (FFP) alternate contract conclusion which will finalize the Government's liability. This alternative approach was deemed the most advantageous to the Government to limit liability and program duration. A contract modification will be issued in 2QFY05 and all efforts will be concluded during this FY.

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER					PROJECT L □ 5		
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
a . Primary Hardware Dev	C/CPIF OTA FFP	Thales-Raytheon Sys, El Segundo CA, Scotland, Forrest MI	159592	7100	2-4Q	0		0		0	166692	0
b . Ancillary Hardware Dev	SS/T&M	Various	5563	0		0		0		0	5563	0
c . Sys Engrg (Contractor)	SS/FP	Various	3035	300	2-4Q	0		0		0	3335	0
d . Sys Engrg (Government)	MIPR	CERDEC, Fort Monmouth, NJ	4039	100	1-4Q	0		0		0	4139	0
e . Software Engineering	C/CPAF	Telos, Lawton, OK	2274	0		0		0		0	2274	0
f . Alternate Radar Strategy			0	11499	1-4Q	0		0		0	11499	0
g . SSEB/MS C	MIPR	Various	227	0		0		0		0	227	0
Subtotal:			174730	18999		0		0		0	193729	0

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER					PROJECT L □ 5		
II. Support Cost	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
a . Development Support-Government	MIPR	Various	1383	0		0		0		0	1383	0
b . Integrated Logistics Spt (ILS) - Contractor	T&M	Various	589	0		0		0		0	589	0
c . ILS Support-Government	MIPR	CERDEC, Fort Monmouth, NJ	486	0		0		0		0	486	0
d . Configuration Mgmt Spt-Government	MIPR	CERDEC, Fort Monmouth, NJ	874	0		0		0		0	874	0
Subtotal:			3332	0		0		0		0	3332	0

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER					PROJECT L □ 5		
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
a . Demonstration	MIPR	Yuma, AZ WSMR, NM	0	1565	3-4Q	0		0		0	1565	0
b . Verification Testing	MIPR	Various	2212	0		0		0		0	2212	0
c . Test Support	MIPR	Various	1755	200	2-4Q	0		0		0	1955	0
Subtotal:			3967	1765		0		0		0	5732	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
a . Program Management - Contractor	C/FP	Various	2717	300	1-4Q	0		0		0	3017	0
b . Program Management - Government Matrix Spt	MIPR	CERDEC, Fort Monmouth, NJ	652	0		0		0		0	652	0
c . Program Management	In House	PM NV/RSTA, Fort Monmouth NJ	3691	700	1-4Q	0		0		0	4391	0
Subtotal:			7060	1000		0		0		0	8060	0

ARMY RDT&E COST ANALYSIS(R3)	February 2005
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Project Total Cost:			189089	21764		0		0		0	210853	0
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Exhibit R-3
Cost Analysis

Schedule Detail (R4a Exhibit)							February 2005	
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604 23A - FIREFINDER				PROJECT L 5

<u>Schedule Detail</u>	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Alternate Conclusion Contract		1-4Q						
Receipt of Final Report		4Q						
Support to Alternate Radar Strategy		1-4Q						

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BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER				PROJECT L □ 6		
COST (In Thousands)	FY 2004 Actual	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
L86 LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)	0	0	23877	16677	2801	0	0	0	0	Continuing
<p>A. Mission Description and Budget Item Justification: The Objective Lightweight Counter Mortar Radar (O-LCMR) will provide 360 degrees of azimuth coverage and be used to detect, locate, and report hostile locations of enemy indirect firing systems. It will cover a range of 500 meters to 10 kilometers and provide observed fires from friendly units. O-LCMR shall be a digitally connected, day/night mortar, cannon, and rocket locating system. The O-LCMR will be a spiral enhancement to the existing LCMR. The LCMR was originally designed to operate as a stand alone capability for Special Forces and is man portable when disassembled. This capability has been fielded to OIF as a Limited Procurement Urgent (LPU) capability. The RDTE program will transition in FY 2006 from Budget Activity 3, Advanced Technology Development, PE 0603772A to an Army 6.4 program of record.</p> <p>FY2006/2007 funds development, fabrication, and test of six O-LCMR prototype systems and begins development of operator and maintenance training systems.</p>										
<u>Accomplishments/Planned Program</u>						FY 2004	FY 2005	FY 2006	FY 2007	
Develop/build six O-LCMR prototype systems as required to meet Army Capability Development Document (CDD).						0	0	19468	7941	
Prime contractor activities to support Developmental Test and Limited User Test. Efforts include contractor conduct of Live Ammunition Tests at Yuma Proving Ground (YPG) and required fixes to hardware/software.						0	0	1737	2521	
Government Test Costs. Efforts include cost of range times at YPG, gun crews, ammunition and government manpower to support system test.						0	0	828	3424	
Conduct Milestone C (MS C). Efforts include preparation of program documentation necessary to support a successful MS C.						0	0	0	250	
Logistics Development. Efforts include logistics analysis to develop training, System Support Package, Manprint Program, Safety Program, Built-in-Test development, Maintainability Demonstration and Electronic Technical Manuals.						0	0	1844	991	
Training Devices. Efforts include design and development of operator and maintenance trainers.						0	0	0	1550	
Totals						0	0	23877	16677	

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PROJECT

L □ 6

B. Other Program Funding Summary

	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
PE: 0603772 Advanced Tactical Computer Science & Sensor Tech (Congressional Plus Up)	0	2500	0	0	0	0	0	0	0	2500
SSN: B05201 Lightweight Counter Mortar	25000	5500	0	20020	43711	44115	12438	10290	0	161074

Radar

C. Acquisition Strategy: The Lightweight Counter Mortar Radar (LCMR) prototype was developed as a SOCOM program under the Office of Special Technology Broad Agency Announcement (BAA). The LCMR Engineering Development Program was also SOCOM funded and turned that concept into a fully functional system. This objective program, O-LCMR, will leverage the SOCOM developed program and serve as a spiral development effort and undergo Developmental Testing (DT) and a Limited User Test (LUT) to support Army's requirements. A determination on the viability of competing the SDD program will be made based on the results of a Request For Information (RFI) released Dec 04. SDD contract award is planned for 1QFY06, and the results of the DT/LUT will support a MS C Decision in FY07.

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604 23A - FIREFINDER					PROJECT L 6		
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
a . Primary Hardware Dev	TBD	TBD	0	0		4860	1-4Q	540	1-4Q	0	5400	0
b . Ancillary Hardware	TBD	Various	0	0		2564	1-2Q	1108	1-2Q	0	3672	0
c . Non Recurring Engineering	TBD	TBD	0	0		11489	1-4Q	6871	1-4Q	0	18360	0
d . Systems Engineering Contractor	SS/T&M	Various	0	0		880	1Q	653	1Q	168	1701	0
e . Systems Engineering Government	MIPR	CERDEC, Fort Monmouth, NJ	0	0		296	1Q	296	1Q	0	592	0
f . Logistics Development	TBD	TBD	0	0		1391	1-4Q	700	1-4Q	0	2091	0
g . MS C	MIPR	Various	0	0		0		250	1-2Q	0	250	0
h . Trainer Devices	TBD	TBD	0	0		0		1550	2Q	2440	3990	0
Subtotal:			0	0		21480		11968		2608	36056	0

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER					PROJECT L □ 6		
II. Support Cost	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
a . Development Support (Government)	MIPR	Various	0	0		123	1Q	51	1Q	0	174	0
b . Integrated Logistics Support (ILS) (Government)	MIPR	CERDEC, Fort Monmouth, NJ	0	0		252	1Q	175	1Q	0	427	0
Subtotal:			0	0		375		226		0	601	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
a . Engineering Test	MIPR	Yuma, AZ	0	0		128	3Q	500	1Q	0	628	0
b . Developmental Test & Evaluation	MIPR	Yuma, AZ/WSMR, NM	0	0		150	3Q	2150	1-2Q	0	2300	0
c . Limited User Test	MIPR	Various	0	0		0		600	2Q	0	600	0
d . Test Support	MIPR	Various	0	0		227	2Q	194	1-2Q	0	421	0
Subtotal:			0	0		505		3444		0	3949	0

ARMY RDT&E COST ANALYSIS(R3)								February 2005				
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER						PROJECT L □ 6		
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
a . Program Management (Contractor)	C/FP	Various	0	0		188	1Q	75	1Q	0	263	0
b . Program Management	In House	PM NV/RSTA, Fort Monmouth, NJ	0	0		575	1-4Q	503	1-4Q	143	1221	0
c . Program Management (Government Matrix)	MIPR	CERDEC, Fort Monmouth, NJ	0	0		754	1Q	461	1Q	50	1265	0
Subtotal:			0	0		1517		1039		193	2749	0
Project Total Cost:			0	0		23877		16677		2801	43355	0

Schedule Detail (R4a Exhibit)						February 2005		
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER			PROJECT L □ 6	
<u>Schedule Detail</u>	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
MS B			1Q					
Systems Development and Demonstration (SDD)			1-4Q	1-3Q				
Engineering Test/Development Test			4Q	1-2Q				
Conduct Limited User Test (LUT)				3Q				
Milestone C				3Q				
Prototype Initial Operating Capability (IOC)				4Q				
Develop Training Devices				3-4Q	1-2Q			

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COST (In Thousands)	FY 2004 Actual	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
L88 ENHANCED AN/TPQ 36	0	0	22184	52408	53447	37392	17878	5087	0	Continuing

A. Mission Description and Budget Item Justification: The Enhanced AN/TPQ-36 (EQ-36) is a highly mobile radar system designed to classify targets for automatic first-round location of mortar, cannon and rocket enemy fires and to provide observed fires from friendly units. Initially, the EQ-36 will provide 90 degree coverage and extended range, with a spiral development to 360 degree coverage. The EQ-36 will provide 35KM range coverage for mortars/cannon and 50KM for rockets. This program will leverage the latest in solid state technology design to provide increased range as well as increased reliability, availability, and maintainability. The EQ-36 will provide digital communications and be interoperable with Firefinder and future Battle Command Systems. The system will be capable of drive-on/drive off C-130 and will be HMMWV class vehicle mountable.

FY2006/2007 begins development and fabrication of six Enhanced AN/TPQ-36 prototype systems. Development of operator and maintenance training systems will begin in FY2007.

Accomplishments/Planned Program	FY 2004	FY 2005	FY 2006	FY 2007
Develop/build six Enhanced AN/TPQ-36 prototype systems. Efforts include non-recurring systems engineering, procurement of hardware, software development and system integration.	0	0	18096	34434
Prime contractor test activities. Efforts include conduct of contractor Live Ammunition Testing at Yuma Proving Ground (YPG), support to Government Developmental and Operational Testing and any required modifications/fixes to hardware and software.	0	0	790	6288
Government test activities. Efforts include cost of range time at YPG, gun crews, ammunition, and manpower to support system test.	0	0	552	5495
Interoperability. Efforts include systems engineering required to assure interoperability with other Firefinder systems and future Battle Command Systems.	0	0	1664	3500
Logistics. Efforts include development of logistics documentation such as training and System Support Packages, Manprint, Safety, Electronic Technical Manuals, Built-in-Test, and conduct of a Maintainability Demonstration.	0	0	1082	1891
Training Devices. Efforts include design and development of Operator and Maintenance trainers.	0	0	0	800
Totals	0	0	22184	52408

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PROJECT

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B. Other Program Funding Summary

	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
B05310 Enhanced AN/TPQ-36	0	0	0	0	15389	71166	78742	75120	0	240417

C. Acquisition Strategy: The Enhanced AN/TPQ-36 (EQ-36) will leverage technology developed in the Multi-Mission Radar Advanced Technology Objective (ATO) program to incorporate a solid state antenna into the AN/TPQ-36. A Request For Information (RFI) will be released in 2QFY05 to access technology readiness and viability of competition in industry. SDD contract award is planned NLT 1QFY06 following a Milestone B Approval.

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604 23A - FIREFINDER					PROJECT L		
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
a . Primary Hardware	TBD	TBD	0	0		10400	1-4Q	28000	1-4Q	Continue	38400	0
b . Ancillary Hardware	TBD	Various	0	0		2290	1-4Q	4039	1-2Q	Continue	6329	0
c . Non Recurring Engineering	TBD	TBD	0	0		5564	1-4Q	12480	1-4Q	Continue	18044	0
d . Systems Engineering (Contractor)	SS/T&M	Various	0	0		996	1Q	2190	1Q	Continue	3186	0
e . Systems Engineering (Government)	MIPR	CERDEC, Fort Monmouth, NJ	0	0		296	1Q	296	1Q	Continue	592	0
f . Logistics Development	TBD	TBD	0	0		650	1-4Q	800	1-4Q	Continue	1450	0
g . Training Devices	TBD	TBD	0	0		0		800	3-4Q	Continue	800	0
Subtotal:			0	0		20196		48605		Continue	68801	0

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604□23A - FIREFINDER					PROJECT L□□		
II. Support Cost	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
a . Development Support (Government)	MIPR	Various	0	0		137	1Q	209	1Q	Continue	346	0
b . Integrated Logistics Support (ILS) Contractor	MIPR	CERDEC, Fort Monmouth, NJ	0	0		252	1Q	0		Continue	252	0
Subtotal:			0	0		389		209		Continue	598	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
a . Engineering Test (Contractor)	MIPR	Yuma, AZ	0	0		0		400	2-3Q	Continue	400	0
b . Development & Evaluation Test (Government)	MIPR	Yuma, AZ, WSMR, NM	0	0		0		800	3Q	Continue	800	0
c . Test Support	MIPR	Various	0	0		276	2Q	343	1-2Q	Continue	619	0
Subtotal:			0	0		276		1543		Continue	1819	0

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604 □ 23A - FIREFINDER					PROJECT L □ □		
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
a . Program Management (Contractor)	C/FP	Various	0	0		213	1Q	326	1Q	Continue	539	0
b . Program Management (Government)	In House	PM NV/RSTA, Fort Monmouth, NJ	0	0		720	1-4Q	1275	1-4Q	Continue	1995	0
c . Program Management (Matrix)	MIPR	CERDEC, Fort Monmouth, NJ	0	0		390	1Q	450	1Q	Continue	840	0
Subtotal:			0	0		1323		2051		Continue	3374	0
Project Total Cost:			0	0		22184		52408		Continue	74592	0

Schedule Detail (R4a Exhibit)

February 2005

BUDGET ACTIVITY

5 - System Development and Demonstration

PE NUMBER AND TITLE

0604 □ 23A - FIREFINDER

PROJECT

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<u>Schedule Detail</u>	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
MS B			1Q					
Contract Award			1Q					
Systems Development and Demonstration (SDD)			1-4Q	1-4Q	1-4Q	1-4Q	3Q	
Engineering Test/DT & OT (90 Degrees)				3-4Q	1-3Q			
Prototype IOC (90 Degrees)					4Q			
Engineering Test/DT & OT (360 Degrees)						2-4Q	1-2Q	
Prototype IOC (360 Degrees)							3Q	
MS C							3Q	
Develop Training Devices				4Q	1-4Q	1-4Q		