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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	18.303	20.210	37.492	-	37.492	-	-	-	3.726	-	79.731
L86: LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)	-	2.841	-	-	-	-	-	-	-	3.726	-	6.567
L88: Enhanced AN/TPQ 36	-	15.462	20.210	37.492	-	37.492	-	-	-	-	-	73.164

The FY 2015 OCO Request will be submitted at a later date.

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, and rockets). 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 L86, Lightweight Counter Mortar Radar, Version AN/TPQ-50 provides 360 degree coverage and is used to detect, locate and report hostile locations of enemy indirect firing systems. Project L88, AN/TPQ-53 (formerly known as Enhanced AN/TPQ-36), is a highly mobile radar system that will leverage the latest in technology design to accelerate technology infusion and increase range while improving False Alarm Rate, reducing obsolescence and increasing reliability. The AN/TPQ-53 will provide 90 degree coverage and extended range, with an incremental development to increase detection capability to 360 degrees.

The Fiscal Year (FY) 2015 funds of \$37.492 million will support follow-on testing and continue development and testing of Pre-Planned Product Improvement (P3I) for Low Quadrant Elevation efforts. These funds will also initiate development and testing for Increased Range and Accuracy, Electronic Protection and Worldwide Interoperability for Microwave Access (WIMAX), and Networking and Radar Interoperability to include performing technical assessments, concept studies, cost reduction, risk reduction and required documentation.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	20.517	47.221	42.204	-	42.204
Current President's Budget	18.303	20.210	37.492	-	37.492
Total Adjustments	-2.214	-27.011	-4.712	-	-4.712
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-0.027	-27.011			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.583	-			
• Adjustments to Budget Years	-	-	-4.712	-	-4.712

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PE 0604823A: *FIREFINDER*
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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER				Project (Number/Name) L86 / LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
L86: LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)	-	2.841	-	-	-	-	-	-	-	3.726	-	6.567
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The AN/TPQ-50 (formerly known as AN/TPQ-48(V)3) Lightweight Counter Mortar Radar (LCMR) is a digitally connected, day/night mortar, cannon, and rocket locating system. It is used to detect, locate, track, and report enemy indirect firing systems and provides the ability to observe friendly fire units. The AN/TPQ-50 is capable of being deployed in two configurations, standalone or vehicle mounted. It can be set up and operational in 20 minutes and disassembled in 10 minutes. The AN/TPQ-50 will be deployed as part of a System of Systems for the Counter-Rocket, Artillery, and Mortar (C-RAM) construct or Rocket Artillery Mortar (RAM) Warn. It provides data to the Forward Area Air Defense Command and Control (FAADC2) node for the sense and warn force protection capability at fixed and semi-fixed sites. It provides 360 degrees of azimuth coverage from ranges of 500 meters to 10 kilometers. The AN/TPQ-50 is a program of record with systems currently fielded and deployed to Operation Enduring Freedom as well as multiple CONUS and OCONUS locations.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2013	FY 2014	FY 2015
Title: Government Test Support										2.841	-	-
Articles:										-	-	-
Description: Funding is provided for the following effort												
FY 2013 Accomplishments: Government Verification/Validation test support and associated Program Management Office support costs.												
Accomplishments/Planned Programs Subtotals										2.841	-	-
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• B05201: SSN: B05201 Lightweight Counter Mortar Radar	77.107	98.535	24.828	-	24.828	24.795	24.551	25.292	21.074	Continuing	Continuing	
Remarks												

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604823A / <i>FIREFINDER</i>	Project (Number/Name) L86 / <i>LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)</i>
<u>D. Acquisition Strategy</u> The AN/TPQ-50 Lightweight Counter Mortar Radar is post Milestone C and was developed to meet Training and Doctrine Command (TRADOC) Capabilities Production Document (CPD) requirements. Seventy eight (78) Quick Reaction Capability (QRC) and forty five (45) Low Rate Initial Production (LRIP) systems have been procured towards an Army Acquisition Objective (AAO) of 400. Initial Operational Test and Evaluation (IOT&E) was conducted in third quarter of fiscal year 2012 (3QFY12). A favorable Full Rate Production (FRP) decision was achieved on 30 May 2013. A three year sole source contract was awarded on 17 July 2013. One hundred thirty two (132) AN/TPQ-50 radars and vehicle mounts have been procured to date. The approved acquisition strategy does include upgrading the 78 QRC and 45 LRIP systems to the full rate production specification beginning in FY15. A second three year production contract is scheduled for 2QFY16. Follow on production contracts will be awarded as needed to fulfill the AAO. <u>E. Performance Metrics</u> N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER				Project (Number/Name) L86 / LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management (Contractor)	Various	Various : Activities	3.348	0.632		-		-		-		-	-	3.980	-
Program Management	Various	PM Radars : Fort Monmouth NJ/ APG MD	0.911	-		-		-		-		-	-	0.911	-
Program Management (Government Matrix)	Various	Various : Activities	1.155	-		-		-		-		-	-	1.155	-
Subtotal			5.414	0.632		-		-		-		-	-	6.046	-
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Common Front End (CFE) Software	Various	SRCTec, North : Syracuse, NY	0.000	-		-		-		-		-	-	-	-
Primary Hardware Development	SS/CPFF	SRCTec, North : Syracuse, NY	45.088	-		-		-		-		-	-	45.088	-
Systems Engineering	Various	CERDEC : Fort Monmouth, NJ	2.964	-		-		-		-		-	-	2.964	-
Systems Engineering Contractor	Various	Various : Activities	4.613	-		-		-		-		-	-	4.613	-
Radar Environmental Simulators (RES)	Various	Oakridge National Labs : Oakridge, TN	0.250	-		-		-		-		-	-	0.250	-
Subtotal			52.915	-		-		-		-		-	-	52.915	-
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support (Government)	Various	Various : Activities	0.774	-		-		-		-		-	-	0.774	-

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Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER				Project (Number/Name) L86 / LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)					
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.774	-		-		-		-		-	-	0.774	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support (Contractor)	SS/CPFF	SRCTec : Syracuse, NY	0.309	-		-		-		-		-	-	0.309	-
Limited User Test	Various	YUMA/WSMR : Arizona/ New Mexico	1.246	-		-		-		-		-	-	1.246	-
Follow-On Test Event (FOTE)	Various	YUMA/WSMR : Arizona/New Mexico	0.690	-		-		-		-		-	-	0.690	-
Developmental Test Operational Test (DT/OT)	Various	YUMA/ATEC : Arizona/APG	4.228	-		-		-		-		-	-	4.228	-
Initial Operational Test & Evaluation	Various	YUMA/FT SILL : Arizona/Oklahoma	2.077	-		-		-		-		-	-	2.077	-
Test Support (Government)	Various	Various : Activities	2.542	2.209		-		-		-		-	-	4.751	-
Subtotal			11.092	2.209		-		-		-		-	-	13.301	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			70.195	2.841		-		-		-		-	-	73.036	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army			Date: March 2014		
Appropriation/Budget Activity 2040 / 5			R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER		
			Project (Number/Name) L86 / LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)		

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Development and Test efforts																												
Full Rate Production (FRP) Decision																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604823A / <i>FIREFINDER</i>	Project (Number/Name) L86 / <i>LIGHTWEIGHT COUNTER MORTAR RADAR (LCMR)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Development and Test efforts	4	2006	4	2013
Full Rate Production (FRP) Decision	3	2013	3	2013

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER				Project (Number/Name) L88 / Enhanced AN/TPQ 36			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
L88: Enhanced AN/TPQ 36	-	15.462	20.210	37.492	-	37.492	-	-	-	-	-	73.164
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The AN/TPQ-53 (formerly known as the Enhanced AN/TPQ-36) Counterfire Target Acquisition Radar System Capability Production Document (CPD) was approved on 29 September 2010. The AN/TPQ-53 System is a highly mobile radar set that automatically detects, classifies, tracks, and locates the point of origin of projectiles fired from mortar, artillery, and rocket systems with sufficient accuracy for first round fire for effect. It mitigates close combat radar coverage gaps and will ultimately replace the current AN/TPQ-36 and AN/TPQ-37 Firefinder Radars; fully supporting Brigade Combat Teams (BCTs) and Fires Brigades operations. The AN/TPQ-53 System interoperates with Battle Command Systems (BCSs) to provide the maneuver commander increased counterfire radar flexibility. The AN/TPQ-53 System is capable of being deployed as part of the Indirect Fire Protection Capability (IFPC) System of Systems (SoS) to provide a sense and warn capability for fixed and semi-fixed sites. The AN/TPQ-53 provides a system with increased range and accuracy throughout a 90 degree search sector (stare mode) as well as 360 degree coverage (rotating) for locating mortar, artillery and rocket firing positions.												
The Fiscal Year (FY) 2015 funds of \$37.492 million will support follow-on testing and continue development and testing of Pre-Planned Product Improvement (P3I) for Low Quadrant Elevation efforts. These funds will also initiate development and testing for Increased Range and Accuracy, Electronic Protection and Worldwide Interoperability for Microwave Access (WIMAX), and Networking and Radar Interoperability to include performing technical assessments, concept studies, cost reduction, risk reduction and required documentation.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Test Support									8.654	8.378	7.300	
									Articles: -	-	-	
Description: Funding is provided for the following effort												
FY 2013 Accomplishments:												
Initiated Logistics/Maintenance Demonstration, Cold Regions Test Center (CRTC) testing, Developmental Testing (DT), Initial Operational Test and Evaluation (IOT&E), operational Capabilities and Limitations (C&Ls) tests, software and hardware Independent Verification and Validation (IV&V), ammunition, Program Management Office (PMO) and test support costs.												
FY 2014 Plans:												
Test activities to include DT, IOT&E, operational C&Ls, software and hardware IV&V, ammunition, PMO and test support costs.												
FY 2015 Plans:												

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014		
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER	Project (Number/Name) L88 / Enhanced AN/TPQ 36		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Test activities to include Follow-on testing, operational Capabilities and Limitations (C&Ls) testing, ammunition, Program Management Office (PMO) and test support costs.				
Title: Electronic Protection / Worldwide Interoperability for Microwave Access (WiMAX) Description: Funding is provided for the following effort FY 2015 Plans: Mitigate electromagnetic interference (EMI) from military bands, hostile EMI, and the WiMAX commercial spectrum; this includes associated PMO support costs.		-	-	17.307
Title: Increased Range and Accuracy Description: Funding provided for the following effort FY 2015 Plans: Initiate development efforts to improve radar performance versus long range threats and improve accuracy; this includes associated PMO support costs.		-	-	7.105
Title: High Clutter Environment Articles: Description: Funding is provided for the following effort FY 2013 Accomplishments: Initiated development efforts to track projectiles through a high clutter environment; this includes associated PMO support costs. FY 2014 Plans: Continue development efforts to track projectiles through a high clutter environment; this includes associated PMO support costs.		5.408 -	6.923 -	- -
Title: Low Quadrant Elevation (QE) Shots Articles: Description: Funding is provided for the following effort FY 2013 Accomplishments: Initiated efforts to develop algorithms to detect Low QE shots; this includes associated PMO support costs. FY 2014 Plans: Continue efforts to develop algorithms to detect Low QE shots; this includes associated PMO support costs. FY 2015 Plans:		1.400 -	4.909 -	1.690 -

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army							Date: March 2014				
Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0604823A / <i>FIREFINDER</i>			Project (Number/Name) L88 / <i>Enhanced AN/TPQ 36</i>				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2013	FY 2014	FY 2015		
Continue efforts to develop algorithms to detect Low Quadrant Elevation (QE) shots; this includes associated Program Management Office (PMO) support costs.											
Title: Networking / Radar Interoperability							-	-	4.090		
Description: Funding is provided for the following effort											
FY 2015 Plans: Initiate development of increased capabilities through the use of Advanced Field Artillery Tactical Data System (AFATDS), Integrated Air and Missile Defense (IAMD) Battle Command System (IBCS), and other Army Battle Command Systems to enable the Warfighter to employ counterfire with increased accuracy. Develop a new user interface that supports commonality among Counterfire Target Acquisition (CTA) radars. Perform technical assessments, concept studies, cost reduction, risk reduction, threat analysis, and required documentation; this includes associated PMO support costs.											
Accomplishments/Planned Programs Subtotals							15.462	20.210	37.492		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• SSN B05310 AN/TPQ-53: SSN B05310 AN/TPQ-53	297.082	348.557	209.050	-	209.050	274.117	243.943	202.934	159.087	-	1,734.770
Remarks											
D. Acquisition Strategy											
The AN/TPQ-53 leverages technology developed in the Multi-Mission Radar Advanced Technology Objective (ATO) program incorporating the latest antenna technology into the AN/TPQ-53. In 2006, the Government awarded a contract following full and open competition for the design of the AN/TPQ-53 radar and the purchase of four Non-Recurring Engineering (NRE) radars. Twelve additional radars were purchased under the same contract in response to an urgent directed procurement in July 2008. The Army Acquisition Executive approved the acquisition of up to 20 radars. Twenty systems were procured through two separate contract actions in 2010 and 2011. A competitive production contract for Low Rate Initial Production (LRIP) systems was awarded in 2012 with an option for additional systems in 2013. Production and delivery of all IP systems are complete, and production of LRIP systems is ongoing. A Full Rate Production (FRP) contract to fill the remainder of the Army Acquisition Objective (AAO) is expected to be awarded following completion of the Initial Operating Test and Evaluation (IOT&E). Additionally, all initial production systems will be retrofitted to FRP configuration between FY2014 and FY 2016. The FRP system deliveries will continue through FY 2021. The system will eventually replace all of the AN/TPQ-36 and AN/TPQ-37 systems in the fleet. The Fiscal Year (FY) 2015 funds will support follow-on testing and continue development and testing of Pre-Planned Product Improvement (P3I) for Low Quadrant Elevation efforts. These funds will also initiate development and testing for Increased Range and Accuracy, Electronic Protection and Worldwide Interoperability for											

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER	Project (Number/Name) L88 / Enhanced AN/TPQ 36
Microwave Access (WIMAX), and Networking and Radar Interoperability to include performing technical assessments, concept studies, cost reduction, risk reduction and required documentation.		
E. Performance Metrics N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604823A / FIREFINDER				Project (Number/Name) L88 / Enhanced AN/TPQ 36					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management (Contractor)	Various	Various : Activities	3.482	0.136	Jan 2013	0.138	Dec 2013	0.629	Mar 2015	-		0.629	-	4.385	-
Program Management (Government)	Various	Various : Activities	0.974	0.033	Oct 2013	0.050	Jan 2014	0.515	Mar 2015	-		0.515	-	1.572	-
Subtotal			4.456	0.169		0.188		1.144		-		1.144	-	5.957	-
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Electronic Protection/ Worldwide Interoperability for Microwave Access (WiMAX)	SS/CPFF	Lockheed Martin : Syracuse, NY	0.000	-		-		17.096	Mar 2015	-		17.096	-	17.096	-
Increased Range and Accuracy	SS/CPFF	Lockheed Martin : Syracuse, NY	0.000	-		-		6.886	Mar 2015	-		6.886	-	6.886	-
High Clutter Environment	SS/CPFF	Lockheed Martin : Syracuse, NY	0.000	5.340	Aug 2013	6.854	Apr 2014	-		-		-	-	12.194	-
Low Quadrant Elevation (QE) Shots	SS/CPFF	Lockheed Martin : Syracuse, NY	0.000	1.332	Aug 2013	4.840	Apr 2014	1.501	Mar 2015	-		1.501	-	7.673	-
Networking/Radar Interoperability	SS/CPFF	Lockheed Martin : Syracuse, NY	0.000	-		-		3.755	Mar 2015	-		3.755	-	3.755	-
Subtotal			0.000	6.672		11.694		29.238		-		29.238	-	47.604	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	Various	Various : Activities	22.236	8.621	Mar 2013	8.328	Sep 2014	7.110	Mar 2015	-		7.110	-	46.295	-
Subtotal			22.236	8.621		8.328		7.110		-		7.110	-	46.295	-

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	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	26.692	15.462		20.210		37.492		-		37.492	-	99.856	-
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army			Date: March 2014		
Appropriation/Budget Activity 2040 / 5		R-1 Program Element (Number/Name) PE 0604823A / <i>FIREFINDER</i>			Project (Number/Name) L88 / <i>Enhanced AN/TPQ 36</i>

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Developmental Test (DT)																												
Limited User Test (LUT)																												
Low Rate Initial Production (LRIP) Lot 3 Production Contract Award																												
Full Rate Production (FRP) Decision																												
FRP Contract Award																												
Initial Operational Test and Evaluation (IOT&E)																												
Follow-On Test and Evaluation (FOT&E)																												
Electronic Protection/Worldwide Interoperability for Microwave Access (WiMAX)																												
Increased Range and Accuracy																												
High Clutter Environment																												
Low Quadrant Elevation (QE) Shots																												
Networking / Radar Interoperability																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604823A / <i>FIREFINDER</i>	Project (Number/Name) L88 / <i>Enhanced AN/TPQ 36</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Developmental Test (DT)	2	2012	4	2014
Limited User Test (LUT)	4	2012	1	2013
Low Rate Initial Production (LRIP) Lot 3 Production Contract Award	3	2013	3	2013
Full Rate Production (FRP) Decision	2	2015	2	2015
FRP Contract Award	3	2015	3	2015
Initial Operational Test and Evaluation (IOT&E)	2	2014	3	2014
Follow-On Test and Evaluation (FOT&E)	1	2015	2	2016
Electronic Protection/Worldwide Interoperability for Microwave Access (WiMAX)	1	2015	4	2015
Increased Range and Accuracy	1	2015	4	2015
High Clutter Environment	1	2013	4	2014
Low Quadrant Elevation (QE) Shots	1	2013	4	2015
Networking / Radar Interoperability	1	2015	4	2015