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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				PE 0604646A: Non-Line of Sight Launch System							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	88.205	81.247	-	-	-	-	-	-	-	0.000	169.452
F72: BCT NON-LINE OF SIGHT LAUNCH SYSTEM	88.205	81.247	-	-	-	-	-	-	-	0.000	169.452

Note

NLOS-LS Program was terminated.
The FY 2010 Total Adjustments of \$-3018 is for SBIR/STTR Transfer.

A. Mission Description and Budget Item Justification

The Non-Line of Sight Launch System (NLOS-LS) program was terminated in March 2010. The Navy will continue the development of the system as per the January 2006, Memorandum of Agreement for its small boat threat on its Littoral Combat Ships.

Prior to termination, this project funded the System Development and Demonstration (SDD) for the Non-Line of Sight Launch System (NLOS-LS), which is part of the Brigade Combat Team (BCT) modernization program. NLOS-LS has been developed to deliver its "enabling lethality" capabilities to the Infantry Brigade Combat Teams (IBCTs). NLOS-LS consists of the Precision Attack Missile (PAM) and a highly deployable, platform-independent Container Launch Unit (CLU) with self-contained technical fire control, electronics, communications and software for remote unmanned operations.

This project focuses on the development of a materiel solution to meet the NLOS-LS operational need as delineated in the Future Combat System (FCS) Operational Requirements Document (ORD) and Increment 1 Early-Infantry Brigade Combat Team (E-IBCT) Capabilities Production Document (CPD). The PAM will be vertically launched directly from the CLU based on fire missions received via the BCT network and will be capable of being updated in-flight via on-board radios by the network. The vertical launch capability permits a system that is highly deployable as well as being able to engage a wide spectrum of targets in diverse environments and terrain. The PAM will have Automatic Target Acquisition (ATA) capability which can be upgraded in future versions.

NLOS-LS, delivered during the Increment 1 timeframe, will equip Current Forces with an Advanced Field Artillery Tactical Data System (AFATDS) command based unmanned precision attack missile system. Increment 2 will address objective requirements to meet the Capability Development Document (CDD). These efforts will include Insensitive Munition requirements, incorporation of the Handheld, Manpack and Small Form Fits (HMS)-J, Ground Mobile Radio (GMR) radios into the system, integration of the Blue Force Tracker into the control cell, Data Storage Device (DSD) modifications to alleviate NSA concerns, and Integrated Computing System (ICS) updates. Additional threshold requirements planned for BCT modernization program include interoperability with Battle Command, Level 5 Interactive Electronic Technical Manual System, In-Flight Target Updates the ability to disenable in flight, 72 hour on-board power, functioning Platform Soldier Mission Readiness System/ Logistics Decision Support System.

The NLOS-LS program was terminated March 2010. The current Army contract is being terminated and all hardware/property is being transferred to ARDEC and Navy. Due to program termination, the FY 11 Budget Request for NLOS LS is no longer required.

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B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	91.223	81.247	58.718	-	58.718
Current President's Budget	88.205	81.247	-	-	-
Total Adjustments	-3.018	-	-58.718	-	-58.718
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-3.018	-	-58.718	-	-58.718

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604646A: Non-Line of Sight Launch System				PROJECT F72: BCT NON-LINE OF SIGHT LAUNCH SYSTEM			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
F72: BCT NON-LINE OF SIGHT LAUNCH SYSTEM	88.205	81.247	-	-	-	-	-	-	-	0.000	169.452
Quantity of RDT&E Articles											

Note

Not applicable for this item.

A. Mission Description and Budget Item Justification

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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604646A: <i>Non-Line of Sight Launch System</i>		PROJECT F72: <i>BCT NON-LINE OF SIGHT LAUNCH SYSTEM</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2010	FY 2011	FY 2012
Title: Systems Engineering, Prototypes, Test, and Program Management Description: Funding was provided for the following effort FY 2010 Accomplishments: Prepared for, participated in, and conducted 6 flight tests during PEO I's Limited User Test (LUT) in support of a MS C decision in March FY10. Conducted a detailed and formal Failure Review Board (FRB) to analyze the results of the 6 flight tests. Developed and conducted MSC review efforts. The program was terminated in March FY11. Began termination and material disposition activities.			64.618 0	-	-
Title: Contractor Termination Costs Description: Funding is provided for the following effort FY 2010 Accomplishments: (Special) These costs are paid to the contractor and subcontractors as per FAR 31.205 for; Severance Pay, Reasonable costs continuing after termination, Settlement of expenses, and the costs to return field service personnel from remote or liaison sites. (Other) These funds are for costs that are currently not covered by the Government contract and are required by FAR part 31. These costs include but are not limited to Allowable Fee, Cost incurred, but not billed to the FAR contract, Non-cancelable commitments, Unexpired leases, Alterations/restorations required by leases, and Loss of useful value of capital property. These costs began accumulating as of March FY10. In addition to the FAR termination costs this element includes Disposition of Terminated Material to the Navy and ARDEC. These funds also include all cost for packaging, transporting, and short and long term storage of selected materials IAW FAR 45/49. Over 9,500 individual end items and 2 control System Integration Laboratories (SILs) required disposition. These items are displaced among 12 contractors and or government agencies throughout the United States. All Secure equipment was dispositioned IAW NSA requirements. Unobligated funding are still required for final negotiation of the termination proposal. By holding these funds from the contractor it provides greater leverage for contract negotiations.			23.587 0	-	-
Title: Program Termination Description: Funding is provided for the following effort FY 2011 Plans: As a result of the program termination these funds are no longer required.			-	81.247 0	-
Accomplishments/Planned Programs Subtotals			88.205	81.247	-

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604646A: Non-Line of Sight Launch System				PROJECT F72: BCT NON-LINE OF SIGHT LAUNCH SYSTEM			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• 0604660A: FCS Manned Ground Vehicles & Common Grd Vehicle Components	231.103									0.000	231.103
• 0604661A: FCS System of Systems Engr & Program Management	847.011	568.711	383.872		383.872		518.188	648.502	352.069	0.000	3,808.398
• 0604662A: FCS Reconnaissance (UAV) Platforms	92.444	50.304								0.000	142.748
• 0604663A: FCS Unmanned Ground Vehicles	122.418	249.948	143.840		143.840		106.480	131.880	32.009	0.000	911.047
• 0604664A: FCS Unattended Ground Sensors	39.664	7.515	0.499		0.499					0.000	47.678
• 0604665A: FCS Sustainment & Training R&D	685.524	610.389					251.761	254.232	181.558	0.000	2,187.185
• WTCV G86200: FCS Spin Out Program	210.909									0.000	210.909
• ACFT A00015: BCT Unmanned Aerial Veh (UAVs) Incr 1		44.206								0.000	44.206
• OPA B00001: BCT Unattended Ground Sensor		29.718								0.000	29.718
• OPA B00002: PABCT Network		176.543								0.000	187.068
• OPA B00003: BCT Network CP 13/14							229.528	187.955	179.653	0.000	768.167
• OPA F00001: BCT Unmanned Ground Vehicle		20.046	24.805		24.805					0.000	48.096
• OPA F00002: BCT Unmanned Ground Vehicle CP 13/14			11.924		11.924		422.192	834.171	696.603	0.000	2,414.904
• OPA G80001: BCT Training/ Logistics/Management		61.581	149.308		149.308		49.792	28.259		0.000	435.142
			57.103		57.103		441.250	347.466	273.354	0.000	1,308.265

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C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2012</u>	<u>FY 2012</u>	<u>FY 2012</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Complete</u>	<u>Total Cost</u>
<ul style="list-style-type: none"> • OPA G00002: <i>BCT Training/Logistics/Management CP 13/14</i> 											
D. Acquisition Strategy											
<p>The Army awarded the NLOS-LS SDD contract on 19 March 2004 to Netfires Limited Liability Company (LLC), consisting of Lockheed Martin Corporation, doing business through its Missiles and Fire control and operating entity in Grand Prairie, TX; and the Raytheon Corporation, doing business through its Missile Systems Business Unit in Tuscon, AZ. The NLOS-LS SDD contract was definitized 20 August 2004. The NLOS-LS program was terminated March 2010. The current Army contract is being terminated and all hardware/property is being transferred to ARDEC and Navy.</p>											
E. Performance Metrics											
<p>Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.</p>											

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Exhibit R-5, RDT&E Termination Liability: PB 2012 Army							DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604646A: <i>Non-Line of Sight Launch System</i>			PROJECT F72: <i>BCT NON-LINE OF SIGHT LAUNCH SYSTEM</i>
Cost (\$ in Millions)	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Program Termination Liability	88.205	81.247	-	-	-	-	-

Notes

The Army awarded the NLOS-LS SDD contract on 19 March 2004 to Netfires Limited Liability Company (LLC), consisting of Lockheed Martin Corporation, doing business through its Missiles and Fire control and operating entity in Grand Prairie, TX; and the Raytheon Corporation, doing business through its Missile Systems Business Unit in Tuscon, AZ. The NLOS-LS SDD contract was definitized 20 August 2004. The NLOS-LS program was terminated March 2010. The current Army contract is being terminated and all hardware/property is being transferred to ARDEC and Navy.

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