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Exhibit R-2, RDT&E Budget Item Justification: 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 0605455A: <i>SLAMRAAM</i>							
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	-	23.700	19.931	-	19.931	-	-	-	-	Continuing	Continuing
S35: <i>SLAMRAAM</i>	-	23.700	19.931	-	19.931	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

Surface Launched Advanced Medium Range Air-To-Air Missile (SLAMRAAM) is an air defense system included in the Army Integrated Air & Missile Defense (IAMD) architecture. SLAMRAAM consists of launcher platforms employing the proven AIM-120-C7 Advanced Medium Range Air-to-Air Missile (AMRAAM); Integrated Fire Control Station (IFCS) command, control, and communications platforms; and Improved Sentinel Radars. SLAMRAAM is a day or night, adverse weather, non-line-of-sight system that counters cruise missiles (CM), unmanned aerial vehicle (UAV), fixed wing and rotary wing threats. SLAMRAAM is mobile and armored which allows it to operate in various combat situations to protect maneuver forces and strategic assets.

The Army's Air and Missiles Defense (AMD) portfolio assessment of the cost-effectiveness of SLAMRAAM capabilities versus competing priorities for capability investments within the AMD portfolio led to an Army recommendation to conduct an orderly conclusion of the SLAMRAAM program. The program will complete prototypes and vehicle integration, developmental testing, limited user testing and demonstrations but will not go into production. The prototypes will allow for provision of an Emergency Operational Capability if required.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	-	23.700	17.800	-	17.800
Current President's Budget	-	23.700	19.931	-	19.931
Total Adjustments	-	-	2.131	-	2.131
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	2.131	-	2.131

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0605455A: SLAMRAAM				PROJECT S35: SLAMRAAM			
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
S35: SLAMRAAM	-	23.700	19.931	-	19.931	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											
Note This is the new SLAMRAAM program element for RDTE. All prior year information is located in PE 0604802A (S23).											
A. Mission Description and Budget Item Justification Surface Launched Advanced Medium Range Air-To-Air Missile (SLAMRAAM) is an air defense system included in the Army Integrated Air & Missile Defense (IAMD) architecture. SLAMRAAM consists of launcher platforms employing the proven AIM-120-C7 Advanced Medium Range Air-to-Air Missile (AMRAAM); Integrated Fire Control Station (IFCS) command, control, and communications platforms; and Improved Sentinel Radars. SLAMRAAM is a day or night, adverse weather, non-line-of-sight system that counters cruise missiles (CM), unmanned aerial vehicle (UAV), fixed wing and rotary wing threats. SLAMRAAM is mobile and armored which allows it to operate in various combat situations to protect maneuver forces and strategic assets. The Army's Air and Missiles Defense (AMD) portfolio assessment of the cost-effectiveness of SLAMRAAM capabilities versus competing priorities for capability investments within the AMD portfolio led to an Army recommendation to conduct an orderly conclusion of the SLAMRAAM program. The program will complete prototypes and vehicle integration, developmental testing, limited user testing and demonstrations but will not go into production. The prototypes will allow for provision of an Emergency Operational Capability if required.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Development Testing/Operational Testing and Modeling and Simulation for FY11 Articles: Description: This element includes contractor and government test and evaluation costs. FY 2011 Plans: Execution of operational testing (Limited User Testing (LUT)), logistics and maintenance demonstration, developmental testing of prime items to support component qualification.								-	12.400 0	-	
Title: Product Development - Engineering and Manufacturing Development (EMD) phase contract activities. Articles: Description: Continue EMD phase contract activities. FY 2011 Plans:								-	6.300 0	2.658	

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
Perform Line Replaceable Units (LRU) design updates and qualification. Conduct a Functional Configuration Audit (FCA) in support of the Milestone C decision. FY 2012 Plans: Complete Line Replaceable Units (LRU) design updates and qualification. Conduct a Manufacturing Readiness Assessment in support of Milestone C.			FY 2012
Title: System Engineering/Program Management (SE/PM) Description: CMDS Project Office cost for execution of project management activities to include government lead for execution of Milestone C preparation and program close-out activities. This includes government labor, contractor labor and operating expenses. FY 2011 Plans: Government PM execution of Engineering and Manufacturing (EMD) activities to support refurbishment of prototypes, redesign and qualification of line replaceable units and conduct of functional configuration audit. FY 2012 Plans: Government PM execution of Engineering and Manufacturing (EMD) activities to support completion of the refurbishment of prototypes, redesign and qualification of line replaceable units, conduct of physical configuration audit and program close-out activities.		-	5.000 0
Title: Close Out (Contract, Facilities, Disposition) Description: Disposition Advanced Procurement of the IFCS. Disposition equipment and shutdown facilities. Shutdown Product Office (personnel, MOAs/MOUs) FY 2012 Plans: Estimated funding to complete the disposition of equipment and close-out of personnel and facilities.		-	9.463
Accomplishments/Planned Programs Subtotals		-	23.700
		-	19.931

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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
• PE 0604869A: Proj MO6, Patriot/MEADS Combined Aggregate Program (CAP)	570.831	467.139	406.605		406.605					Continuing	Continuing
• SSN C53101: MSE Missile		62.500	88.993		88.993		68.938	63.468	64.215	Continuing	Continuing
• SSN C53201: PATRIOT/MEADS GSE											
• PE 0102419A: Proj E55, JLENS	317.132	372.493	344.655		344.655		58.124	19.717	19.726	Continuing	Continuing
• SSN BZ0525: JLENS Production							501.459	454.966	416.888	Continuing	Continuing
• PE 0604802A: Proj S23, SLAMRAAM	56.441									Continuing	Continuing
• PE 0605455A: Proj S35 SLAMRAAM		23.700	19.931		19.931					Continuing	Continuing
• SSN C81002: SLAMRAAM Launcher		116.732								Continuing	Continuing
• SSN C81004: SLAMRAAM Missile											
• PE 0603305A: Proj TR7, Protection Capability II - Intercept		4.296	21.126		21.126		89.021	92.999	142.738	Continuing	Continuing
• SSN WK5053: FAAD GBS		91.467	7.958		7.958					Continuing	Continuing
• PE 0603327A: Proj S34, AMD System of System Engineering and Integration	164.719									Continuing	Continuing
• PE 0605457A: Proj, S40, Army Integrated Air and Missile Defense (AIAMD)		251.124	270.607		270.607		346.341	298.869	275.651	Continuing	Continuing
• SSN BZ5075: Army IAMD Battle Command System (IBCS)							23.587	100.560	256.855	Continuing	Continuing
• PE 0208053: Proj 635, JOINT TACT GRD STATION-P3I (MIP)	13.189	12.403	27.630		27.630		14.109	7.912	8.039	Continuing	Continuing
• SSN BZ8401: Joint Tactical Ground Station (JTGS)	6.682	9.279	1.199		1.199		9.740	4.432	4.496	Continuing	Continuing
			83.777		83.777		68.938	63.468	64.215	Continuing	Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army									DATE: February 2011		
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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
• PE 0605456A: Project PA3, PAC-3/MSE Missile											
• PE 0604820A: Proj E10, SENTINEL			2.890		2.890		1.983	1.968	2.937	Continuing	Continuing
• SSN WK5057: SENTINEL MODS	25.783		41.657		41.657		48.418	46.613	46.463	Continuing	Continuing
D. Acquisition Strategy											
System Development and Demonstration (SDD) contract was awarded in 2nd Quarter FY04 and completed in Oct 09. The SLAMRAAM program has been restructured to a new platform, the FMTV. Furthermore, SLAMRAAM has a new Program Element for RDTE beginning in FY11 (S35). All prior SLAMRAAM activities are under PE Number 0604802A/S23. Beginning in FY11, SLAMRAAM RDTE effort has been transitioned to this PE.											
The Army's Air and Missiles Defense (AMD) portfolio assessment of the cost-effectiveness of SLAMRAAM capabilities versus competing priorities for capability investments within the AMD portfolio led to an Army recommendation to conduct an orderly conclusion of the SLAMRAAM program. The program will complete prototypes and vehicle integration, developmental testing, limited user testing and demonstrations but will not go into production. The prototypes will allow for provision of an Emergency Operational Capability if required.											
E. Performance Metrics											
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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE				PROJECT				
2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)					PE 0605455A: SLAMRAAM				S35: SLAMRAAM				
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government System Engineering/Program Management	MIPR	Multiple:Multiple	-	5.000		4.480		-		4.480	0.000	9.480	0.000
Contractor Systems Enginneering/Program Management	SS/CPFF	Multiple:Multipes	-	-		3.330		-		3.330	0.000	3.330	0.000
Subtotal			-	5.000		7.810		-		7.810	0.000	12.810	0.000
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Hardware/ Software Development , Integration & Assessment	MIPR	Multiple:Multiple	-	-		0.260		-		0.260	Continuing	Continuing	0.000
Government Furnished Equipment (GFE)/Systems Engineering Technical Assistance (SETA)	MIPR	Multiple:Multipile	5.000	5.000		-		-		-	Continuing	Continuing	0.000
Contractor Hardware/Software Development	SS/CPFF	Multiple:Multiple	-	1.300		-		-		-	0.000	1.300	0.000
Close-out (Contract, Facilities, Disposition of Equipment and Personnel)	SS/CPFF	Multiple:Multiple	-	-		9.463		-		9.463	0.000	9.463	0.000
Contractor Line Replaceable Unit Qualification and Manufacturing Readiness Assessment	SS/CPFF	Multiple:Multiple	-	-		2.398		-		2.398	0.000	2.398	0.000
Subtotal			5.000	6.300		12.121		-		12.121			0.000

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Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government System Test And Evaluation	MIPR	Multiple:Multiple	-	12.400		-		-		-	0.000	12.400	0.000
Subtotal			-	12.400		-		-		-	0.000	12.400	0.000

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	5.000	23.700		19.931		-		19.931			0.000

Remarks

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Exhibit R-4, RDT&E Schedule Profile: 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 0605455A: <i>SLAMRAAM</i>		PROJECT S35: <i>SLAMRAAM</i>	

	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	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
Functional Configuration Audit																												
Physical Configuration Audit																												
Milestone C Decision																												
Complete Development Testing/Operational Testing																												
Refurb Prototypes																												
Product Development																												
Close Out (C/O) Begins																												
Close Out (C/O) Ends																												
Disposition Advanced Procurement IFCS																												
Disposition Equipment & Shutdown Facilities																												
Shutdown Product Office (Personnel, MOAs/ MOUs)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY

2040: *Research, Development, Test & Evaluation, Army*
BA 5: *Development & Demonstration (SDD)*

R-1 ITEM NOMENCLATURE

PE 0605455A: *SLAMRAAM*

PROJECT

S35: *SLAMRAAM*

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Functional Configuration Audit	3	2011	3	2011
Physical Configuration Audit	4	2011	4	2011
Milestone C Decision	3	2012	3	2012
Complete Development Testing/Operational Testing	1	2011	2	2011
Refurb Prototypes	3	2011	4	2011
Product Development	1	2011	2	2012
Close Out (C/O) Begins	3	2011	3	2011
Close Out (C/O) Ends	4	2012	4	2012
Disposition Advanced Procurement IFCS	3	2011	4	2011
Disposition Equipment & Shutdown Facilities	3	2011	4	2012
Shutdown Product Office (Personnel, MOAs/MOUs)	3	2011	4	2012

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