

# UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				PE 0605457A: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</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	-	251.124	270.607	-	270.607	250.895	346.341	298.869	275.651	Continuing	Continuing
S40: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>	-	251.124	270.607	-	270.607	250.895	346.341	298.869	275.651	Continuing	Continuing

## Note

FY12 funds realigned (\$936 Thousand) to higher priority requirements.

### Program Issues:

AIAMD is currently executing FY 2011 under FY 2010 funding levels due to Continuing Resolution Authority (CRA) constraints, which results in program operations at \$85 Million less than the FY 2011 President's Budget. Impacts of year-long CRA funding to AIAMD are:

- Up to 12 month slip to Initial Operational Capability (Current IOC FY 2016)
- Estimated additional cost to the program of up to \$190 Million
- Loss of prime contract (Northrop Grumman) effort (approximately 250 man-years in Alabama)
- IAMD Critical Design Review (CDR) and Office of the Secretary of Defense (OSD) Defense Acquisition Board In Process Review (DAB IPR) delayed up to 12 months
- Delay to Joint Track Management Capability (JTMC) Demo with Navy currently scheduled for August FY 2011
- IAMD OSD Overarching Integrated Product Team (OIPT) update scheduled for March FY 2011 will be delayed approximately 4 months pending IAMD program realignment
- No Plug and Fight Kit implementation Contract Award (Raytheon)

## A. Mission Description and Budget Item Justification

This system is an integral part of the overall Air and Missile Defense (AMD) architecture and will provide for an incrementally fielded Integrated Air and Missile Defense Fire Control System/capability for the Army Air and Missile Defense Battalions. Funding in this program element provides for the overarching Army Integrated Air and Missile Defense (AIAMD) Architecture and Army IAMD Battle Command System (IBCS) components necessary to produce an AIAMD capability. The AIAMD Program represents a shift from a traditional system-centric weapon systems acquisition to a component-based acquisition. This component-based acquisition will provide the most efficient way to acquire and integrate the components of the incremental AIAMD architecture. Unlike traditional acquisition programs that focus primarily on the development of a single system or platform, the AIAMD Program is structured to enable the development of an overarching system-of-systems capability with participating Air and Missile Defense (AMD) components functioning interdependently to provide total operational capabilities not achievable by the individual element systems. The AIAMD Program achieves this objective by establishing the incremental AIAMD architecture and developing the following products: the IBCS, the Integrated Fire Control (IFC) Network, and the Plug & Fight (P&F) Interface kits. The IBCS provides common Army IAMD Battle Command System (IBCS) Engagement Operations Center (EOC) that replaces seven weapon system unique Battle Management Command, Control, Communications, Computers and Intelligence (BMC4I) components in an AMD Battalion. The IFC Network provides fire control connectivity and enabling distributed operations. The P&F Interface kit enables the multiple sensor and weapon components for netted operations. AIAMD has been designated as the Army's Pathfinder for the development of a Joint Track Management Capability.

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605457A: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>
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As part of the new DoD 5000.02 initiative for competitive prototyping, the AIAMD program awarded two competitive contracts to teams lead by Northrop Grumman and Raytheon for the development of the Army IAMD Battle Command System in September 2008. During FY 2009, the two competing contractors developed prototypes of their respective designs and conducted an initial Preliminary Design Review (PDR). Competitive proposals were then submitted for the Engineering and Manufacturing Development (EMD) Phase of the program in May 2009. The down select to one contractor occurred after the Milestone B decision in 1QFY2010. FY 2010 was the first full year of the EMD phase of the program. The FY 2011 funding represents continuation of the EMD Phase of the program. During this phase, the IBCS contractor is maturing its design efforts with respect to the EOC, the common side of the Plug and Fight Kit, and the Integrated Fire Control Network. AIAMD funding also incorporates A-Kit contract actions by the AIAMD PO for the development of the unique side of the Plug & Fight Kit which enables the weapons and sensors to be placed on the Integrated Fire Control Network for the contributing acquisition programs (Phased Array Tracking to Intercept of Target (PATRIOT), Improved Sentinel, and Joint Land Attack Cruise Missile Defense Elevated Netted Sensor Systems (JLENS)). An Overarching Integrated Product Team (OIPT) is scheduled for second quarter FY 2011. An IBCS Critical Design Review (CDR) is planned for third quarter FY 2011 with the contributing programs CDRs and the AIAMD CDR in fourth quarter FY 2011. A Post CDR Assessment will be conducted in first quarter FY 2012 along with a Defense Acquisition Board In Process Review (DAB IPR). The IBCS prototype delivery is scheduled for February FY 2012.

The AIAMD Acquisition Program Baseline (APB) was approved on 28 June 2010.

Beginning with FY11, this funding was transferred from the Army IAMD PE 0603327A, Project Code S34, for FY 2011 and beyond, to continue funding the Engineering and Manufacturing Development (EMD) phase of the program.

<b>B. Program Change Summary (\$ in Millions)</b>	<b><u>FY 2010</u></b>	<b><u>FY 2011</u></b>	<b><u>FY 2012 Base</u></b>	<b><u>FY 2012 OCO</u></b>	<b><u>FY 2012 Total</u></b>
Previous President's Budget	-	251.124	271.543	-	271.543
Current President's Budget	-	251.124	270.607	-	270.607
Total Adjustments	-	-	-0.936	-	-0.936
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.936	-	-0.936

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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 0605457A: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)				PROJECT S40: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)			
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
S40: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	-	251.124	270.607	-	270.607	250.895	346.341	298.869	275.651	Continuing	Continuing
Quantity of RDT&E Articles											

**Note**

On 23 December 2009 the Army Integrated Air & Missile Defense (AIAMD) program was approved for entry into the Engineering and Manufacturing Development phase as ACAT ID program. The approved program baseline represents a substantially lower risk approach from the initial program and resulted in a FY 2016 Initial Operational Capability (IOC). As a result of certification required by section 2366b of title 10, United States Code, the Under Secretary of Defense for Acquisition, Technology and Logistics (USD(AT&L)) waived three certification elements (Affordability, Full Funding, and Preliminary Design Review (PDR) Completion) for the Army IAMD program. With submission of the FY 2011 budget, two of these waivers (Affordability & Full Funding) are no longer necessary. The third waiver (PDR Completion) will be completed in second quarter FY 2011 and the Delta PDR Report will be submitted to the Office of the Secretary of Defense (OSD).

**A. Mission Description and Budget Item Justification**

This system is an integral part of the overall Air and Missile Defense (AMD) architecture and will provide for an incrementally fielded Integrated Air and Missile Defense Fire Control System/capability for the Army Air and Missile Defense Battalions. Funding in this program element provides for the overarching Army Integrated Air and Missile Defense (AIAMD) Architecture and Army IAMD Battle Command System (IBCS) components necessary to produce an AIAMD capability. The AIAMD Program represents a shift from a traditional system-centric weapon systems acquisition to a component-based acquisition. This component-based acquisition will provide the most efficient way to acquire and integrate the components of the incremental AIAMD architecture. Unlike traditional acquisition programs that focus primarily on the development of a single system or platform, the AIAMD Program is structured to enable the development of an overarching system-of-systems capability with participating Air and Missile Defense (AMD) components functioning interdependently to provide total operational capabilities not achievable by the individual element systems. The AIAMD Program achieves this objective by establishing the incremental AIAMD architecture and developing the following products: the IBCS, the Integrated Fire Control (IFC) Network, and the Plug & Fight (P&F) Interface kits. The IBCS provides common Army IAMD Battle Command System (IBCS) Engagement Operations Center (EOC) that replaces seven weapon system unique Battle Management Command, Control, Communications, Computers and Intelligence (BMC4I) components in an AMD Battalion. The IFC Network provides fire control connectivity and enabling distributed operations. The P&F Interface kit enables the multiple sensor and weapon components for netted operations. AIAMD has been designated as the Army's Pathfinder for the development of a Joint Track Management Capability.

As part of the new DoD 5000.02 initiative for competitive prototyping, the AIAMD program awarded two competitive contracts to teams lead by Northrop Grumman and Raytheon for the development of the Army IAMD Battle Command System in September 2008. During FY 2009, the two competing contractors developed prototypes of their respective designs and conducted an initial Preliminary Design Review (PDR). Competitive proposals were then submitted for the Engineering and Manufacturing Development (EMD) Phase of the program in May 2009. The down select to one contractor occurred after the Milestone B decision in 1QFY2010. FY 2010 was the first full year of the EMD phase of the program. The FY 2011 funding represents continuation of the EMD Phase of the program. During this phase, the IBCS contractor is maturing its design efforts with respect to the EOC, the common side of the Plug and Fight Kit, and the Integrated Fire Control Network. AIAMD

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Army			<b>DATE:</b> February 2011		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605457A: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>	<b>PROJECT</b> S40: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>	<p>funding also incorporates A-Kit contract actions by the AIAMD PO for the development of the unique side of the Plug &amp; Fight Kit which enables the weapons and sensors to be placed on the Integrated Fire Control Network for the contributing acquisition programs (Phased Array Tracking to Intercept of Target (PATRIOT), Improved Sentinel, and Joint Land Attack Cruise Missile Defense Elevated Netted Sensor Systems (JLENS)). An Overarching Integrated Product Team (OIPT) is scheduled for second quarter FY 2011. An IBCS Critical Design Review (CDR) is planned for third quarter FY 2011 with the contributing programs CDRs and the AIAMD CDR in fourth quarter FY 2011. A Post CDR Assessment will be conducted in first quarter FY 2012 along with a Defense Acquisition Board In Process Review (DAB IPR). The IBCS prototype delivery is scheduled for February FY 2012.</p> <p>The AIAMD Acquisition Program Baseline (APB) was approved on 28 June 2010.</p> <p>Beginning with FY11, this funding was transferred from the Army IAMD PE 0603327A, Project Code S34, for FY 2011 and beyond, to continue funding the Engineering and Manufacturing Development (EMD) phase of the program.</p>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>			<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<p><b>Title:</b> Product Development</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> Funding is provided for the following effort</p> <p><b>FY 2011 Plans:</b> Continuing product development for EOC, the common and unique side of the Plug and Fight kits, and the Integrated Fire Control Network. Provides for an IBCS CDR, contributing programs CDRs, and the AIAMD CDR.</p> <p><b>FY 2012 Plans:</b> Continuing product development for EOC, the common and unique side of the Plug and Fight kits, and the Integrated Fire Control Network. Provides for a Post CDR Assessment and Defense Acquisition Board In Process Review (DAB IPR).</p>			-	218.863 0	235.575
<p><b>Title:</b> System Engineering and Program Management</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> Funding is provided for the following effort</p> <p><b>FY 2011 Plans:</b> System Engineering and Program Management in support of developing the Plug and Fight kits, Integrated Fire Control Network, IBCS CDR, contributing programs CDRs, and the AIAMD CDR. Other contracts and OGAs support of EMD phase activities.</p> <p><b>FY 2012 Plans:</b> System Engineering and Program Management in support of developing the Plug and Fight kits, Integrated Fire Control Network, Post CDR Assessment and the DAB IPR. Other contracts and OGAs support of EMD phase activities.</p>			-	15.264 0	15.802
<p><b>Title:</b> Test and Evaluation</p> <p align="right"><b>Articles:</b></p>			-	16.997 0	19.230

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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 0605457A: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)				PROJECT S40: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2010	FY 2011	FY 2012	
Description: Funding is provided for the following effort												
FY 2011 Plans: Provides for Modeling & Simulation, Joint Interoperability Test Support, Army Evaluation Center/Developmental Test Command/ Operational Test Command support and White Sands Missile Range Test Support												
FY 2012 Plans: Provides for Modeling & Simulation, Joint Interoperability Test Support, Army Evaluation Center/Developmental Test Command/ Operational Test Command support and White Sands Missile Range Test Support												
Accomplishments/Planned Programs Subtotals									-	251.124	270.607	
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, Project M06: PE 0604869A, Project M06, PATRIOT/ MEADS Combined Aggregate Program (CAP)	570.831	467.139	406.605		406.605					Continuing	Continuing	
• PE 0605456A, Project PA3: PE 0605456A, Project PA3, PAC- 3/ MSE Missile		62.500	88.993		88.993		68.938	63.468	64.215	Continuing	Continuing	
• SSN C53101: SSN C53101, MSE Missile			74.953		74.953		532.540	487.049	560.099	Continuing	Continuing	
• SSN C53201: SSN C53201, PATRIOT/MEADS GSE												
• PE 0102419A, Proj E55: PE 0102419A, Proj E55, JLENS	317.132	372.493	344.655		344.655		58.124	19.717	19.726	Continuing	Continuing	
• SSN BZ0525: SSN BZ0525, JLENS Production							501.459	454.966	416.888	Continuing	Continuing	
• PE 0604802A, Project S23: PE 0604802A, Project S23, SLAMRAAM	56.441									Continuing	Continuing	
		23.700	19.931		19.931					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 0605450A, Project S35: PE 0605450A, Project S35, SLAMRAAM											
• SSN C81002: SSN C81002, SLAMRAAM Launcher		116.732								Continuing	Continuing
• PE 0603327A, Project S34: PE 0603327A, Project S34, Army Integrated Air and Missile Defense (AIAMD)	164.719									Continuing	Continuing
• BZ5075: BZ5075, Army IAMD Battle Command System (IBCS)							23.587	100.560	256.855	Continuing	Continuing
• PE 0604820A: PE 0604820A, Proj E10, SENTINEL			2.890		2.890		1.983	1.968	2.937	Continuing	Continuing
D. Acquisition Strategy											
<p>The Army Integrated Air and Missile Defense (AIAMD) Program will employ an evolutionary acquisition strategy consisting of multiple capability increments leading to an Increment 2 capability in FY 2016. The AIAMD Program carried two competitive prototyping developmental contractors through an initial Preliminary Design Review (PDR) with a down select after Milestone B (MS B) in December 2009 to conduct the EMD phase.</p> <p>Each AIAMD capability increment follows the AIAMD Capability Development Document (CDD), JROC approved on 17 May 2010 via JROCM 073-10, and is defined as:</p> <ul style="list-style-type: none"><li>- Increment 1 is a User-executed capability increment focused on realignment of current force systems into an AMD Battalion (BN) organizational construct. (not part of the materiel development program)</li><li>- Increment 2 provides the first increment of an integrated materiel solution, and is the initial acquisition program to develop the threshold AIAMD capability</li></ul> <p>The AIAMD incremental development approach provides the opportunity for technology insertions into the program throughout each increment as high-payoff technologies mature and are ready for integration. This enables an orderly and cost-effective migration from the current system-centric architecture to the AIAMD architecture.</p> <p>Key principles of the AIAMD acquisition approach are the following:</p> <ul style="list-style-type: none"><li>- Migrate from system-based acquisition to component-based acquisition</li></ul>											

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Army		<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605457A: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>	<b>PROJECT</b> S40: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>
<ul style="list-style-type: none"> <li>- Use system-of-systems acquisition approach with collaboration among AIAMD, PEO MS, PEO C3T, and Brigade Combat Team (BCT) Modernization Component Project Offices, Missile Defense Agency (MDA), and other Service Project Offices to network enable weapons and sensor components</li> <li>- Develop and procure common Army IAMD Battle Command System (IBCS) Engagement Operations Center (EOC) that replaces seven weapon system unique Battle Management Command, Control, Communications, Computers and Intelligence (BMC4I) components</li> <li>- Establish product lines used to evaluate and select, modify and integrate modular open systems Hardware (HW) and Software (SW) common configuration items</li> <li>- Conduct architecture-based System Engineering, Integration and Test (SEI&amp;T) activities for an incremental fielded configuration of the AIAMD Integrated Fire Control (IFC) Network-compatible IBCS EOC, weapons and sensor system components</li> </ul>		
<b><u>E. Performance Metrics</u></b> 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 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0605457A: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)				PROJECT S40: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)					
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 (SEPM)	TBD	Multiple OGAs, Inhouse and Contractor:Huntsville, AL	-	15.264		15.802		-		15.802	Continuing	Continuing	Continuing
Subtotal			-	15.264		15.802		-		15.802			
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
Air Space and Missile Defense (ASMD) System of Systems (SOS) Hardware-in-the- Loop Testbed	C/CPFF	Multiple OGA's, Inhouse and Contractor:Huntsville, AL and various other locations	-	17.697		-		-		-	0.000	17.697	0.000
AIAMD System Engineering & Integration	C/CPFF	Contractor:Huntsville, AL	-	20.236		15.212		-		15.212	Continuing	Continuing	Continuing
IAMD Engineering Manufacturing and Development	C/CPIF	Contractor:Huntsville, AL and Various other locations	-	165.874		196.219		-		196.219	Continuing	Continuing	Continuing
Government Furnished Equipment	MIPR	AMRDEC:Huntsville, AL	-	10.803		17.384		-		17.384	Continuing	Continuing	Continuing
US Army Aviation and Missile Research Development and Engineering Center (AMRDEC)	MIPR	AMRDEC:Huntsville, AL	-	4.253		6.760		-		6.760	Continuing	Continuing	Continuing
Subtotal			-	218.863		235.575		-		235.575			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				<b>R-1 ITEM NOMENCLATURE</b> PE 0605457A: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)				<b>PROJECT</b> S40: ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)					
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Army Evaluation Center/ Developmental Test Command/Operational Test Command	TBD	Various:Various Locations	-	0.811		0.894		-		0.894	Continuing	Continuing	Continuing
Modeling & Sim/Joint Interoperability Test Spt	MIPR	SED:Huntsville, AL	-	16.061		15.818		-		15.818	Continuing	Continuing	Continuing
White Sands Missile Range (WSMR)	TBD	WSMR:White Sands, NM	-	0.125		2.518		-		2.518	Continuing	Continuing	Continuing
<b>Subtotal</b>			-	16.997		19.230		-		19.230			
			<b>Total Prior Years Cost</b>	<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			-	251.124		270.607		-		270.607			
<b>Remarks</b>													

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2012 Army</b>			<b>DATE:</b> February 2011		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0605457A: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>		<b>PROJECT</b> S40: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</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
Delta Preliminary Design Review (PDR) (IBCS Incr 2)																												
Delta Preliminary Design Review (PDR) (IAMD Incr 2)																												
Overarching Integrated Product Team (OIPT)																												
Critical Design Review (CDR) (IBCS Incr 2)																												
Critical Design Review (CDR) (IAMD Incr 2)																												
Post Critical Design Review (CDR) Assessment																												
Defense Acquisition Board In Process Review (DAB IPR)																												
Major End Item Integration & Test (MEI&T)																												
Product Readiness Review (PRR)																												
Force Development Experimentation/Limited User Test (FDE/LUT)																												
Milestone C (MS C)																												
Initial Operations Capability (IOC)																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 Army			<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605457A: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>	<b>PROJECT</b> S40: <i>ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Delta Preliminary Design Review (PDR) (IBCS Incr 2)	3	2010	3	2010
Delta Preliminary Design Review (PDR) (IAMD Incr 2)	4	2010	4	2010
Overarching Integrated Product Team (OIPT)	1	2011	1	2011
Critical Design Review (CDR) (IBCS Incr 2)	2	2011	2	2011
Critical Design Review (CDR) (IAMD Incr 2)	3	2011	3	2011
Post Critical Design Review (CDR) Assessment	4	2011	4	2011
Defense Acquisition Board In Process Review (DAB IPR)	4	2011	4	2011
Major End Item Integration & Test (MEI&T)	4	2012	3	2013
Product Readiness Review (PRR)	3	2013	3	2013
Force Development Experimentation/Limited User Test (FDE/LUT)	1	2014	2	2014
Milestone C (MS C)	4	2014	4	2014
Initial Operations Capability (IOC)	3	2016	3	2016

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