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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Missile Defense Agency	DATE: February 2011
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				PE 0603911C: <i>BMD EUROPEAN CAPABILITY</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	47.342	-	-	-	-	-	-	-	-	0.000	47.342
DX48: <i>European Capability Block 4</i>	47.342	-	-	-	-	-	-	-	-	0.000	47.342

A. Mission Description and Budget Item Justification

The European Component (EC) of the layered Ballistic Missile Defense System (BMDS) was planned to expand our BMDS capability to defend the Homeland, Allies and deployed forces in Europe from limited Iranian long-range threats by establishing both an Interceptor Site and a Midcourse Radar site in Europe. The European Interceptor Site (EIS) was planned as a United States (U.S.) facility on foreign soil, supported by a European Sensor Sites (ESS), also planned as a United States (US) facility in Europe. Both the EIS and ESS would interface with US command and control nodes in Europe and CONUS through upgrades to US communications at Ramstein Air Base (AB), Germany. The Command and Control communications interface upgrades planned for Europe were known as the European Communications Interface (ECI). The EC also was to include sustainment for fielded assets. On September 17, 2009 the President of the United States announced changes which replaced the EC program architecture with the Phased Adaptive Approach (PAA).

The Phased Adaptive Approach (PAA) was developed in response to the rapid proliferation of short and medium range ballistic missiles in Iran and the threat they pose to U.S. Allies and partners, as well as to U.S. deployed personnel and their accompanying families in the Middle East and in Europe. By leveraging recent advances in sensor and interceptor technologies, the United States will aggressively counter this growing regional threat with a more powerful and agile system. The United States is pursuing a four phased approach which will provide a more effective missile defense capability for defense of NATO territories and enhance U.S. homeland defense. It will be complementary of and interoperable with those being developed by NATO, be applicable in other theaters around the world, and will be adaptable and flexible in order to counter threat advances and provide increased defended areas over time. The initial phase includes the deployment of current and proven missile defense, including the sea-based Aegis Weapons System, the SM-3 interceptor (Block IA), and sensors such as the forward-based Army Navy/Transportable Radar Surveillance system (AN/TPY-2). Subsequent phases will be implemented based on technical maturity, appropriate testing, and threat driven requirements.

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603911C: <i>BMD EUROPEAN CAPABILITY</i>
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<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012 Base</u>	<u>FY 2012 OCO</u>	<u>FY 2012 Total</u>
Previous President's Budget	50.226	-	-	-	-
Current President's Budget	47.342	-	-	-	-
Total Adjustments	-2.884	-	-	-	-
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-1.308	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment Detail	-1.576	-	-	-	-

Change Summary Explanation

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Missile Defense Agency									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603911C: BMD EUROPEAN CAPABILITY				PROJECT DX48: European Capability Block 4			
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
DX48: European Capability Block 4	47.342	-	-	-	-	-	-	-	-	0.000	47.342
Quantity of RDT&E Articles	0	0	0		0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The European Component (EC) of the layered Ballistic Missile Defense System (BMDS) was replaced by the Phased Adaptive Approach (PAA).											
FY 2010 funding was used for expansion of the BMDS capability via execution of two stage missile testing and to begin the PAA.											
The BVT-01 flight test was conducted using energy management and pitch over maneuvers. The flight test also gathered pertinent data on the performance of the Exoatmospheric Kill Vehicle (EKV).											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2010	FY 2011	FY 2012
Title: Two Stage Test									47.342	-	-
									Articles: 0	0	0
Description: See Description Below											
FY 2010 Accomplishments:											
-Successfully conducted Booster Verification Test-01 (For reference: event partially executed under Program Element 0603882C)											
-First time event for flying a 2-stage Ground Based Interceptor, performing Exoatmospheric Kill Vehicle separation from a 2-stage booster and delivering an Exoatmospheric Kill Vehicle to its insertion point											
-Conducted feasibility assessments in support of site selection for Aegis Ashore.											
-Began assessments in support of System Concept Review and System Readiness Review for Aegis Ashore.											
FY 2011 Plans:											
No European Component work in PE 0603911(BMD European Capability) is planned for FY 2011.											
FY 2012 Plans:											
No European Component work in PE 0603911(BMD European Capability) is planned for FY 2012.											
Accomplishments/Planned Programs Subtotals									47.342	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Missile Defense Agency		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603911C: <i>BMD EUROPEAN CAPABILITY</i>	PROJECT DX48: <i>European Capability Block 4</i>
<u>C. Other Program Funding Summary (\$ in Millions)</u> N/A		
<u>D. Acquisition Strategy</u> No further acquisitions are planned for the BMD European Component.		
<u>E. Performance Metrics</u> NA		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Missile Defense Agency											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603911C: BMD EUROPEAN CAPABILITY				PROJECT DX48: European Capability Block 4					
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
Subtotal			-	-		-		-		-	0.000	0.000	0.000
Support (\$ 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
Subtotal			-	-		-		-		-	0.000	0.000	0.000
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
Two Stage Test C/CPAF DX48	MIPR	CSS, Boeing:HSV	45.226	-		-		-		-	0.000	45.226	45.226
Two Stage Test EC Internal Office Budget DX48	C/CPAF	MDA:HSV	5.000	-		-		-		-	0.000	5.000	5.000
Subtotal			50.226	-		-		-		-	0.000	50.226	50.226
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
Subtotal			-	-		-		-		-	0.000	0.000	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			50.226	-		-		-		-	0.000	50.226	50.226
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Missile Defense Agency		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603911C: <i>BMD EUROPEAN CAPABILITY</i>	PROJECT DX48: <i>European Capability Block 4</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Missile Defense Agency **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	PE 0603911C: <i>BMD EUROPEAN CAPABILITY</i>	DX48: <i>European Capability Block 4</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Two Stage Test	1	2010	3	2010

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