Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Missile Defense Agency										DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*				R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*							
COST ($ in Millions)	**FY 2009 Actual**	**FY 2010 Estimate**	**FY 2011 Base Estimate**	**FY 2011 OCO Estimate**	**FY 2011 Total Estimate**	**FY 2012 Estimate**	**FY 2013 Estimate**	**FY 2014 Estimate**	**FY 2015 Estimate**	**Cost To Complete**	**Total Cost**
Total Program Element	0.000	0.000	281.378	0.000	281.378	345.937	187.062	93.456	139.595	Continuing	Continuing
MD68: *AEGIS Ashore*	0.000	0.000	281.378	0.000	281.378	345.937	187.062	93.456	139.595	Continuing	Continuing

Note

In accordance with the Missile Defense Agency revised budget structure, this portion of the content previously planned in PE 0603908C (European Interceptor Site (EIS)), PE 0603909C (European Midcourse Radar (EMR)), and PE 0603912C (European Communications Interface (ECI)) for FY 2009 was captured in PEs 0603892C Project WX09 and 0603911C Project DX48 for FY 2010 and is now captured in PE 0604880C, Land Based SM-3, project MD68, in FY 2011.

A. Mission Description and Budget Item Justification

The best way to dissuade, deter, and defeat ballistic missile threats is through integrated ballistic missile defense capabilities weapons, sensors, and Command and Control Battle Management and Communications (C2BMC). A potential or actual attack may cross regions and may fly higher and faster than stand-alone, autonomous capabilities operated by a single Military Service can defend against. Integrated BMD capabilities draw on space-, land-, and sea-based assets operated by multiple Services to provide both the best sensor information on the enemy missile`s location and track as well as a more diverse and effective set of weapon options for the Combatant Commander to defeat the attack -- all connected by a unifying C2BMC system. As a result, an effort funded in a Program Element may be critical to the success of efforts in the other Program Elements. We refer to these connections as ``interdependencies``. Throughout the budget justification materials we have attempted to highlight interdependencies to fully explain the relationship between different parts of the proposed program.

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 more 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 missile (Block IA and IB), 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.

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Missile Defense Agency	DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*

Aegis Ashore will leverage the proven Aegis BMD capability and deploy it at shore-based sites in Europe starting in 2015 in order to counter the rapidly growing threat. This will provide a land-based SM-3 exoatmospheric defense against short to medium and some intermediate range ballistic missile threats in the later stages of flight. Use of the SM-3 at shore-based sites will broaden the BMDS use of the SM-3 from its current sea-based applications.

Aegis Ashore will build a test complex at the Pacific Missile Range Facility (PMRF) at Barking Sands, Hawaii. The test complex is critical to the development of the Aegis Ashore capability and will be essential for verifying requirements and validating design capability prior to deployment.

Aegis Ashore will complement and enhance existing and emerging U.S. and partner missile defense systems to defend deployed forces, allies and friends against theater threats. Furthermore, Aegis Ashore will allow for more sophisticated engagement strategies and reduce vulnerability to countermeasures, forcing an enemy to alter or abandon tactics to penetrate the defensive system.

MDA plans to complete a concept study effort to validate the system`s technical and operational feasibility, leading to a near-term demonstration. To support this effort, MDA tasked Aegis BMD to oversee the execution of this study and analysis. MDA will approve the Aegis Ashore acquisition strategy in FY 2010.

Unifying Missile Defense Functions:

MDA has a set of Unifying Missile Defense Functions (UMDFs), which increase the effectiveness of the BMD System (including probability of engagement success, increase in defended area and raid size capability, additional redundancy of architecture, unity of command) through the integration of MDA developed capabilities, These UMDF efforts are Sensor Registration (reporting of sensor errors / biases), Correlation (ensuring the information from multiple sensors seeing a threat relates to the same object), System Track (creating a single engageable track of a threat from multiple reports provided by different land, sea, and space based sensors), Discrimination (identifying object details to determine the target from debris or decots), Battle Management (combining the best sensors and shooters to ensure the highest probability of a kill), Hit / Kill Assessment (determining if the target selected was destroyed after missile impact), and Communications (providing the worldwide connection of sensors and shooters to command authorities). UMDFs are implemented across the BMDS elements to create and utilize system level data and decisions that allow Combatant Commanders the ability to automatically and manually optimize sensor coverage and interceptor inventory to defend against all ranges of ballistic threats.

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Missile Defense Agency	DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0604880C: *LAND-BASED SM-3*

MiDAESS:

MDA will transition from the existing legacy, project-oriented Systems Engineering and Technical Assistance (SETA) contractor construct to an enterprise-wide Advisory and Assistance Services (A&AS) approach to support the Ballistic Missile Defense System (BMDS) mission. The objectives are to implement national engineering and support services for the BMDS mission across the enterprise, enhance the sharing of ballistic missile defense expertise and knowledge across the Agency, centralize the acquisition of support services manpower in a more efficient manner, and reduce Agency overhead costs enterprise-wide. A&AS support includes engineering and technical services; studies, analyses, and evaluation; and management and professional services.

B. Program Change Summary ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	281.378	0.000	281.378
Total Adjustments	0.000	0.000	281.378	0.000	281.378
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustment Detail	0.000	0.000	281.378	0.000	281.378

Change Summary Explanation

No FY 2011 data provided in PB10.

Exhibit R-2A, RDT&E Project Justification: PB 2011 Missile Defense Agency			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*	PROJECT MD68: *AEGIS Ashore*	

COST ($ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
MD68: *AEGIS Ashore*	0.000	0.000	281.378	0.000	281.378	345.937	187.062	93.456	139.595	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

Work content for Project MD68 was in Program Elements (PEs) 0603911C Project DX48 and 0603892C Project WX09 for FY 2010 and in PEs 0603908C, 0603909C, and 0603912C for FY 2009.

A. Mission Description and Budget Item Justification

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 forces and their accompanying families in the Middle East and 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 complimentary of and interoperable with those being developed by NATO, be applicable in other theaters around the world, and will be more adaptable and flexible in order to counter threat advances and provide increased defended area over time. The initial phase includes the deployment of current and proven missile defense, including the sea-based Aegis Weapon System, the SM-3 missile (Block IA and IB), and sensors such as the AN/TPY-2. Subsequent phases will be implemented based on technical maturity, appropriate testing, and threat driven requirements.

Aegis Ashore will leverage the proven Aegis BMD capability and deploy it at shore-based sites in Europe starting in 2015 in order to counter the rapidly growing threat. This will provide a land-based SM-3 exoatmospheric defense against short to medium and some intermediate range ballistic missile threats in the later stages of flight. Use of the SM-3 at shore-based sites will broaden the BMDS use of the SM-3 from its current sea-based applications.

Aegis Ashore will complement and enhance existing and emerging U.S. and partner missile defense systems to defend deployed forces, allies and friends against theater threats. Furthermore, Aegis Ashore will allow for more sophisticated engagement strategies and reduce vulnerability to countermeasures, forcing an enemy to alter or abandon tactics to penetrate the defensive system.

MDA plans to complete a concept study effort to validate the system`s technical and operational feasibility, leading to a near-term demonstration. To support this effort, MDA tasked Aegis BMD to oversee the execution of this study and analysis. MDA anticipates an Aegis Ashore acquisition strategy to be approved in FY 2010.

Exhibit R-2A, RDT&E Project Justification: PB 2011 Missile Defense Agency		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*	PROJECT MD68: *AEGIS Ashore*

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
AWS Development	0.000	0.000	221.878	0.000	221.878
See Description Below *FY 2009 Accomplishments:* See Project DX48: European Capability. *FY 2010 Plans:* See Project WX09 in PE 0603892C, BMD AEGIS. *FY 2011 Base Plans:* Conduct System Design Review. Conduct Preliminary Design Review. Procure long lead material for PMRF vertical launch system (VLS), AWS hardware, and communications equipment. Conduct development trades to support deployment decisions. *FY 2011 OCO Plans:* NA					
Missile Development	0.000	0.000	59.500	0.000	59.500
See Description Below *FY 2009 Accomplishments:* See Project DX48: European Capability. ;					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Missile Defense Agency		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*	PROJECT MD68: *AEGIS Ashore*

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: See Project WX09 in PE 0603892C, BMD AEGIS. *FY 2011 Base Plans:* Support AWS System Design Review and Preliminary Design Reviews. Conduct missile design modification trade studies. Complete missile funtional design unique to Aegis Ashore. Procure SM-3 Blk IA and IB test rounds to support the IMTP. *FY 2011 OCO Plans:* NA					
Accomplishments/Planned Programs Subtotals	0.000	0.000	281.378	0.000	281.378

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• 0603175C: *Ballistic Missile Defense Technology*	117.602	189.229	132.220	0.000	132.220	236.875	239.873	197.118	197.852	0	1,310.769
• 0603881C: *Ballistic Missile Defense Terminal Defense Segment*	951.414	715.732	436.482	0.000	436.482	250.275	336.711	500.983	521.717	0	3,713.314
• 0603882C: *Ballistic Missile Defense Mid-Course Segment*	1,472.683	1,027.371	1,346.181	0.000	1,346.181	1,112.655	1,291.790	1,099.029	1,033.213	0	8,382.922
• 0603883C: *Ballistic Missile Defense Boost Defense Segment*	384.365	182.317	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	566.682
• 0603884C: *Ballistic Missile Defense Sensors*	682.754	621.017	454.859	0.000	454.859	469.589	681.397	650.525	616.342	0	4,176.483

Exhibit R-2A, RDT&E Project Justification: PB 2011 Missile Defense Agency			DATE: February 2010
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C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• 0603886C: *Ballistic Missile Defense System Interceptor*	308.869	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	308.869
• 0603888C: *Ballistic Missile Defense Test and Targets*	906.952	823.333	1,113.425	0.000	1,113.425	1,105.959	951.371	871.929	829.608	0	6,602.577
• 0603890C: *Ballistic Missile Defense Enabling Programs*	402.776	358.751	402.769	0.000	402.769	468.673	457.745	473.871	488.799	0	3,053.384
• 0603891C: *SPECIAL PROGRAMS - MDA*	182.998	250.185	270.189	0.000	270.189	269.040	450.645	517.486	601.315	0	2,541.858
• 0603892C: *BMD AEGIS*	1,054.323	1,435.717	1,467.278	0.000	1,467.278	1,021.878	1,112.668	1,076.739	923.316	0	8,091.919
• 0603893C: *SPACE TRACKING & SURVEILLANCE SYSTEM*	209.831	161.609	112.678	0.000	112.678	98.500	56.424	52.928	34.661	0	726.631
• 0603894C: *MULTIPLE KILL VEHICLE*	226.027	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	226.027
• 0603895C: *BMD SYSTEM SPACE PROGRAM*	23.250	12.492	10.942	0.000	10.942	11.182	11.347	11.749	12.155	0	93.117
• 0603896C: *BMD C2BMC*	275.174	334.734	342.625	0.000	342.625	364.085	289.778	323.922	298.936	0	2,229.254
• 0603897C: *BMD HERCULES*	51.629	47.932	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	99.561
• 0603898C: *BMD JOINT WARFIGHTER SUPPORT*	66.283	61.098	68.726	0.000	68.726	62.239	63.451	65.158	67.231	0	454.186
• 0603901C: *DIRECTED ENERGY RESEARCH*	0.000	0.000	98.688	0.000	98.688	101.371	103.449	104.572	104.141	0	512.221
• 0603904C: *MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC)*	102.823	86.483	86.198	0.000	86.198	88.181	78.517	80.410	83.087	0	605.699
• 0603906C: *REGARDING TRENCH*	3.159	6.130	7.529	0.000	7.529	8.295	8.286	8.479	8.675	0	50.553
• 0603907C: *SEA BASED X-BAND RADAR (SBX)*	143.878	167.153	153.056	0.000	153.056	150.104	159.832	160.163	197.099	0	1,131.285
	348.722	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	348.722

Exhibit R-2A, RDT&E Project Justification: PB 2011 Missile Defense Agency		DATE: February 2010
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C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• 0603908C: *BMD EUROPEAN INTERCEPTOR SITE*											
• 0603909C: *BMD EUROPEAN MIDCOURSE RADAR*	73.728	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	73.728
• 0603911C: *BMD EUROPEAN CAPABILITY*	0.000	50.226	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	50.226
• 0603912C: *BMD European Comm Support*	26.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	26.016
• 0603913C: *ISRAELI COOPERATIVE*	0.000	201.323	121.735	0.000	121.735	111.100	113.101	116.114	119.172	0	782.545
• 0604881C: *Aegis SM-3 BLOCK IIA CO-DEVELOPMENT*	0.000	255.987	318.800	0.000	318.800	405.500	416.300	337.300	227.500	0	1,961.387
• 0604883C: *PRECISION TRACKING SPACE SYSTEM*	0.000	0.000	66.969	0.000	66.969	123.851	184.800	348.360	482.952	0	1,206.932
• 0604884C: *AIRBORNE INFRARED (ABIR)*	0.000	0.000	111.671	0.000	111.671	103.636	123.591	103.668	58.773	0	501.339
• 0605502C: *Small Business Innovative Research BMDO*	124.788	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	124.788
• 0901585C: *Pentagon Reservation*	20.146	19.709	20.482	0.000	20.482	0.000	0.000	0.000	0.000	0	60.337
• 0901598C: *Management Headquarters-MDA*	87.151	52.403	29.754	0.000	29.754	29.421	29.974	30.567	31.171	0	290.441

D. Acquisition Strategy

The PAA of the layered BMDS acquisition objective is to synchronize industry teams within the construct of current MDA Element contracts, without designation of a Prime integrating contractor for the overall capability. Utilizing current element contracts and their Prime`s current infrastructure, PAA can leverage each element`s contract to focus their Prime contractor on behaviors that achieve system level collaboration. The intent is to motivate all players and establish a cooperative management framework.

Exhibit R-2A, RDT&E Project Justification: PB 2011 Missile Defense Agency		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*	PROJECT MD68: *AEGIS Ashore*

MDA will transition from the existing legacy, project-oriented Systems Engineering and Technical Assistance (SETA) contractor construct to an enterprise-wide Advisory and Assistance Services (A&AS) approach to support the Ballistic Missile Defense System (BMDS) mission. The objectives are to implement national engineering and support services for the BMDS mission across the enterprise, enhance the sharing of ballistic missile defense expertise and knowledge across the agency, centralize the acquisition of support services manpower in a more efficient manner and reduce agency overhead costs enterprise-wide. A&AS support includes engineering and technical services; studies, analyses, and evaluations; and management and professional services.

Aegis BMD will let a contract for a Combat Systems Engineering Agent (CSEA). Broadly stated, the CSEA will be responsible for the design, development, installation and test of the Aegis Ashore capability at PMRF, as well as in host nations.

Competition will be considered for procurement of any products or services in FY 2011.

E. Performance Metrics

NA

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Missile Defense Agency			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*	PROJECT MD68: *AEGIS Ashore*	

Product Development ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
AWS Development AWS Development MD68	SS/CPAF	Lockheed Martin Moorestown, NJ	0.000	0.000		180.336		0.000		180.336	Continuing	Continuing	Continuing
AWS Development AWS Development - 200912143066533 MD68	TBD/TBD	JHU/APL Columbia, MD	0.000	0.000		4.500		0.000		4.500	Continuing	Continuing	Continuing
AWS Development AWS Development - 200912143066536 MD68	TBD/TBD	NSWC PHD Port Huneme, CA	0.000	0.000		3.000		0.000		3.000	Continuing	Continuing	Continuing
AWS Development AWS Development - 200912143066541 MD68	TBD/TBD	NSWC Dahlgren Dahlgren, VA	0.000	0.000		7.000		0.000		7.000	Continuing	Continuing	Continuing
AWS Development AWS Development - 200912143066545 MD68	TBD/TBD	MIT/LL Lexington, MA	0.000	0.000		1.500		0.000		1.500	Continuing	Continuing	Continuing
AWS Development AWS Development - 200912143066552 MD68	TBD/TBD	Various VA, MD, CA, NJ, AV, HI	0.000	0.000		25.542		0.000		25.542	Continuing	Continuing	Continuing
Missile Development Missile Development MD68	SS/CPAF	Raytheon Tucson, AZ	0.000	0.000		57.000		0.000		57.000	Continuing	Continuing	Continuing
Missile Development Missile Development	TBD/TBD	Various VA, MD, NJ, AZ	0.000	0.000		2.500		0.000		2.500	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Missile Defense Agency		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*	PROJECT MD68: *AEGIS Ashore*

Product Development ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
- 200912143024217 MD68													
		Subtotal	0.000	0.000		281.378		0.000		281.378			

Remarks

NA

Support ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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		0.000		0.000			

Remarks

NA

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Missile Defense Agency		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*	PROJECT MD68: *AEGIS Ashore*

Test and Evaluation ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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		0.000		0.000			

Remarks

NA

Management Services ($ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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		0.000		0.000			

Remarks

NA

	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.000		281.378		0.000		281.378			

Remarks

NA

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Missile Defense Agency		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604880C: *LAND-BASED SM-3*	PROJECT MD68: *AEGIS Ashore*

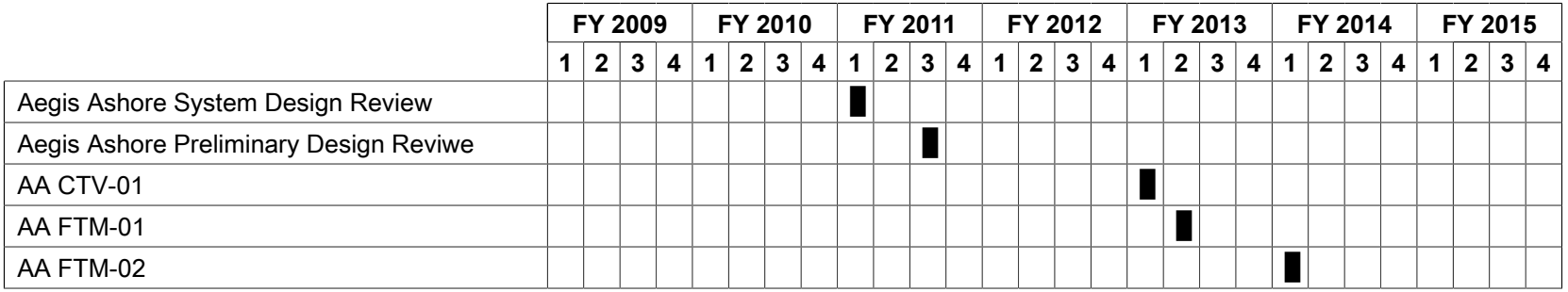

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Missile Defense Agency		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0604880C: *LAND-BASED SM-3*	**PROJECT** MD68: *AEGIS Ashore*

Schedule Details

	Start		End	
Event	**Quarter**	**Year**	**Quarter**	**Year**
Aegis Ashore System Design Review	1	2011	1	2011
Aegis Ashore Preliminary Design Reviwe	3	2011	3	2011
AA CTV-01	1	2013	1	2013
AA FTM-01	2	2013	2	2013
AA FTM-02	1	2014	1	2014